PRELIMINARY DRAFT – FOR INTERNAL USE ONLY

HYDROLOGIC REPORT

TO

THE BASELINE HYDROLOGIC CONDITIONS

CAÑADA GOBERNADORA

PREPARED FOR

RANCHO MISSION VIEJO

APRIL 2, 2004

VOLUME IV

HUITT-ZOLLARS

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VOLUME IV

INTRODUCTION

A Hydrology Report for Canada Gobernadora of the San Juan Creek system has been completed to the confluence with San Juan Creek. The watershed will be significantly altered by proposed development. In the existing condition, Canada Gobernadora conveys flows from 6,963 acres to San Juan Creek. In the proposed condition, Canada Gobernadora conveys flows from 7,291 acres to San Juan Creek and a basin is proposed to mitigate increased flows. The watershed elevations range from approximately 210 feet above sea level at the downstream confluence to approximately 1,240 feet above sea level at the headwaters.

A 100-Year High Confidence analysis was prepared. The hydrologic analysis was completed in accordance with the 1986 Orange County Hydrology Manual and 1995 Orange County Hydrology Manual Addendum No. 1. The application of the procedures outlined in these two documents and the assumptions used to develop hydrologic parameters are described in this report.

MODEL OVERVIEW

Rational method models were completed for both the existing and proposed condition models. Additionally, hydrograph models, including a multi-day analysis to evaluate the basin requirements were also prepared for both drainage conditions.

To model the 100-Year High Confidence analysis, both the Advanced Engineering Software RATSCx and FLOODSCx programs were utilized. The RATSCx program was used to develop the rational method analysis and the FLOODSCx program was used to develop the hydrograph, both single- and multi-day, analyses. The hydrographs were based on data calculated both from the rational method analysis and from other tabulations of rainfall and land use / soil type combinations. The time of concentration (Tc) from the rational method was used to calculate the basin lag at the hydrograph location. A five day storm pattern was developed for the multi-day analysis based on the guidelines from the Orange County Hydrology Manual.

For all models, information from the Hunsaker & Associates report titled "Hydrology & Hydraulic Analysis for Facility L07-701-02 at the Crossing of Vista Del Verde" was used for the upstream, Coto de Caza, area. A complete copy of the calculations for this report was never located, however, based on the available information, some assumptions could be made. This report indicates that there are 4,741 acres draining through the Coto de Caza site. The site produces a 100-Year High Confidence rational method peak flow rate of 7,547 cfs and a hydrograph peak flow rate of 7,283 cfs. Additionally, the report and map indicate that the Tc is 36.19 minutes and also provide hydrograph data such as S-graph and loss rates for the concentration node upstream of the Coto de Caza boundary. Based on this information, data for the development of both

rational method and hydrograph analyses was determined.

A basin is proposed at the Coto de Caza / Ranch boundary. Therefore, the area and flow determined in the above mentioned report is the area and flow that will enter the basin. Several basin alternatives were evaluated. The basin rating curves are based on the Horno Basin rating curves with outflow or storage ratio to meet specific criteria.

With a basin proposed, a complex hydrologic model was required that included basin and channel routing to San Juan Creek. As a comparison, the complex model was compared to a single-area model. The complex model produced a smaller peak flow rate at San Juan Creek, so in accordance with the Hydrology Manual, the rainfall was increased to 111.5% in the complex model in order to match the single-area hydrograph peak flow rate.

In addition to the 100-Year High Confidence basin analysis complex model, a 100-Year Expected Value basin analysis was estimated for basin sizing purposes. This model did not include flood routing downstream of the basin to San Juan Creek. Since a 100-Year Expected Value analysis was not completed as part of the above mentioned report, several hydrologic parameters were estimated based on other canyon analyses in the San Juan Creek system

ASSUMPTIONS

Base Maps and Topographic Data

The base map for the existing condition model was created using aerial topography with 2-, 5-, and 10-foot contours. The base map for the proposed condition utilized mass grade topographic information that was spliced into existing aerial topography for each of the proposed development bubbles.

Rainfall

100-Year High Confidence rainfall intensities and depths were derived from the Orange County Hydrology Manual. The Non-Mountainous rainfall zone, for areas below the 2000' elevation, was utilized.

Land Use

As part of the Philip Williams & Associates (PWA) report titled "Baseline Hydrologic Conditions – San Juan & Upper San Mateo Watersheds", dated May 30, 2001, PWA developed "Land Use Sub-Categories" for the HEC-1 model. Based on descriptions of these subcategories, the land uses were mapped to hydrologic land uses for input into the models according to Table 1. PWA prepared land use mapping for both the existing and several proposed development conditions. For the proposed condition hydrologic analysis, only one, the Ranch Plan Alternative (B4G), land use plan was evaluated.

Hydrologic Soils

Hydrologic soils were assigned based on the Orange County Hydrology Manual.

Antecedent Moisture Condition

As outlined in the Orange County Hydrology Manual Addendum No. 1, Antecedent Moisture Condition (AMC) II was used for all analyses.

Depth Area Adjustments

As outlined in the Orange County Hydrology Manual, Sierra Madre depth area adjustments were chosen for all calculations.

LAND USE MAPPING

Land Use Sub-Category	Hydrologic Land Use
General Transportation	Commercial
General Urban Commercial	Commercial
Multiple Family Residential	11+ Dwellings/Acre
General Developed Areas	5-7 Dwellings/Acre
Single Family Residential	3-4 Dwellings/Acre
Fluctuating Shoreline	Public Park
Lakes/Open Water	Public Park
General Disturbed Areas	Barren (Poor)
Broadleaf Chaparral	Chaparral, Broadleaf (Fair)
Broadleaf Chaparral and Sage	Chaparral, Broadleaf (Fair)
Chaparral – Sage Scrub	Chaparral, Broadleaf (Fair)
General Chaparral	Chaparral, Broadleaf (Fair)
Rural Residential	Chaparral, Broadleaf (Fair)
Narrowleaf Chaparral	Chaparral, Narrowleaf (Fair)
General Grassland	Grass (Fair)
Live Oak Savanna	Grass (Fair)
Sumac Savanna	Grass (Fair)
Sumac Disturbed	Meadows or Cienegas (Fair)
Meadow and Marsh Flood Control Channels	Meadows or Cienegas (Good)
General Sage Scrub	Open Brush (Fair)
Riparian Willow Rock with Plants	Open Brush (Fair)
Sage Scrub- Grassland	Open Brush (Fair)
Streams and Creeks	Open Brush (Fair)
Forest	Woodland (Fair)
Woodland and Riparian	Woodland (Fair)
General Agriculture	Fallow (Poor)
General Nurseries	Orchards, Evergreen (Fair)
General Orchards	Orchards, Evergreen (Fair)
Irrigated Row Crops	Pasture, Dryland (Fair)
Row Crops	Pasture, Dryland (Fair)
General Parks	Turf (Fair)

Table 1 – Land Use Mapping

S-Graphs

S-Graph proportions were assigned based on a review of topographic and land use data, as well as aerial photography. Generally, the rugged terrain in the upper portions of the watershed was assigned to a "Mountain" S-Graph, while the lower portions were assigned "Foothill" and "Valley" S-Graphs. For the proposed condition analysis, development bubble areas were assumed to change from "Valley – Undeveloped" to "Valley – Developed".

Channel Geometry

Channel geometry was determined based on estimated cross-sections taken from the topographic data at several locations. Channel sizes were incrementally increased as the model moved downstream. Channels were sized to convey the 100-Year High Confidence peak flow rates without overtopping. Additionally, travel times for individual reaches meet the County criteria outlined in the Hydrology Manual on Pages D-12 and D-15.

Sub-Areas

In general, sub-areas were developed so that the sub-area sizes gradually increased as the study progressed downstream. Concentration nodes were located at major confluences or other points of significance. Generally, these concentration nodes defined the sub-areas rather than the sub-area size defining a concentration node.

CONCLUSIONS

Hydrologic Results

The results of the hydrologic analyses at several points of significance along Canada Gobernadora are presented in Tables 2 through 5.

Impact of Proposed Development

The proposed development increases the free-flowing canyon flows by approximately 10%. However, the proposed basin at the Coto de Caza/Ranch boundary mitigates the increased 100-Year High Confidence flows for all of the basin configurations that have been considered.

HYDROLOGIC SUMMARY – 100-YEAR – HIGH CONFIDENCE

Existing Condition

Node	Location	Total Area (ac)	Total Area (sq. mi.)	Lag (hr)	Peak Flow Rate (cfs)	Runoff Volume (ac-ft)
6374	San Juan Creek	6,983	10.88	0.72	7,379	1,918

Proposed Condition – Single Area Model

Node	Location	Total Area (ac)	Total Area (sq. mi.)	Lag (hr)	Peak Flow Rate (cfs)	Runoff Volume (ac-ft)
6395	San Juan Creek	7,291	11.39	0.72	8,092	2.206

Proposed Condition – Complex Model
Rainfall Adjusted to 111.5%-No Basin

Node	Location	Total Area (ac)	Total Area (sq. mi.)	Lag (hr)	Peak Flow Rate (cfs)	Runoff Volume (ac-ft)
780	Basin Inflow	4,741	7.41	0.48	8,096	1,464
780	Basin Inflow	4,741	7.41	0.48	8,096	1,464
6311		5,041	7.88	0.25	7,658	1,553
6330		5,341	8.35	.029	7,714	1,650
6355		6,039	9.44	0.34	7,772	1,876
6371		6,962	10.88	0.25	7,984	2,191
6395	San Juan Creek	7,291	11.39	0.33	8,087	2,299

Table 2 – Hydrologic Summary – 100-Year High Confidence

HYDROLOGIC SUMMARY – 100-YEAR – HIGH CONFIDENCE
Single Day Event

Proposed Condition – Complex Model
Rainfall Adjusted to 111.5% - Single Day

Node	Location	Total Area (ac)	Total Area (sq. mi.)	Subbasin Lagh (hr)	Peak Flow Rate (cfs)	Runoff Volume (ac-ft))	Basin Volume (ac-ft)
780	Basin Inflow	4,741	7.41	0.48	8,096	1,464	
780	Basin Outflow	4,741	7.41	0.48	6,155	1,464	73
6311		5,041	7.88	0.25	6,275	1,553	
6330		5,341	8.35	0.29	6,363	1,650	
6355		6,039	9.44	0.34	6,604	1,876	
6371		6,962	10.88	0.25	6,976	2,191	
6395	San Juan Creek	7,291	11.39	0.33	7,085	2,299	

Table 3 – Hydrologic Summary – 100-Year High Confidence Single Day Event

Hydrologic Summary - 100-Year - High Confidence Multi-Day Event

Proposed Condition - Complex Model - Rainfall Adjusted to 111.5% Multi-Day - 400 ac-ft Basin

Node	Location	Total Area (ac)	Total Area (sq. mi.)	Subbasin Lag (hr)	Peak Flow Rate (cfs)	Runoff Volume (ac-ft)	Basin Volume (ac-ft)
780	Basin Inflow	4,741	7.41	0.48	8,096	1,991	
780	Basin Outflow	4,741	7.41	0.48	1,935	1,991	400
6311		5,041	7.88	0.25	2,186	2,117	
6330		5,341	8.35	0.29	2,764	2,257	
6355		6,039	9.44	0.34	4,255	2,579	
6371		6,962	10.88	0.25	5,667	3,033	
6395	San Juan Creek	7,291	11.39	0.33	6,406	3,188	

Proposed Condition - Complex Model - Rainfall Adjusted to 111.5% - Multi-Day - 600 ac-ft Basin

Node	Location	Total Area (ac)	Total Area (sq. mi.)	Subbasin Lag (hr)	Peak Flow Rate (cfs)	Runoff Volume (ac-ft)	Basin Volume (ac-ft)
780	Basin Inflow	4,741	7.41	0.48	8,096	1,991	
780	Basin Outflow	4,741	7.41	0.48	1,127	1,991	600
6311		5,041	7.88	0.25	1,579	2,117	
6330		5,341	8.35	0.29	2,156	2,257	
6355		6,039	9.44	0.34	3,621	2,579	
6371		6,962	10.88	0.25	5,028	3,033	
6395	San Juan Creek	7,291	11.39	0.33	5,746	3,188	

Proposed Condition - Complex Model - Rainfall Adjusted to 111.5% - Multi-Day - 800 cfs Outflow

Node	Location	Total Area (ac)	Total Area (sq. mi.)	Subbasin Lag (hr)	Peak Flow Rate (cfs)	Runoff Volume (ac-ft)	Basin Volume (ac-ft)
780	Basin Inflow	4,741	7.41	0.48	8,096	1,991	
780	Basin Outflow	4,741	7.41	0.48	800	1,991	714
6311		5,041	7.88	0.25	1,324	2,117	
6330		5,341	8.35	0.29	1,898	2,257	
6355		6,039	9.44	0.34	3,354	2,579	
6371		6,962	10.88	0.25	4,766	3,033	
6395	San Juan Creek	7,291	11.39	0.33	5,477	3,188	

Proposed Condition - Complex Model - Rainfall Adjusted to 111.5% - Multi-Day - 500 cfs Outflow

Node	Location	(ac)	Total Area (sq. mi.)	Subbasin Lag (hr)	Peak Flow Rate (cfs)	Runoff Volume (ac-ft)	Basin Volume (ac-ft)
780	Basin Inflow	4,741	7.41	0.48	8,096	1,991	
780	Basin Outflow	4,741	7.41	0.48	500	1,991	882
6311		5,041	7.88	0.25	1,088	2,117	
6330		5,341	8.35	0.29	1,660	2,257	
6355		6,039	9.44	0.34	3,114	2,579	
6371		6,962	10.88	0.25	4,525	3,033	
6395	San Juan Creek	7,291	11.39	0.33	5,231	3,188	

Table 4 - Hydrologic Summary - 100-Year - High Confidence - Multi-Day Event

Hydrologic Summary - 100-Year - Expected Value Multi-Day Event

Proposed Condition - Complex Model - Rainfall Adjusted to 111.5% - Multi-Day - 800 cfs Outflow

Node	Location	(ac)	Total Area (sq. mi.)	Subbasin Lag (hr)	Peak Flow Rate (cfs)	Runoff Volume (ac-ft)	Basin Volume (ac-ft)
780	Basin Inflow	4,741	7.41	0.52	5,921	1,351	
780	Basin Outflow	4,741	7.41	0.52	800	1,351	445

Proposed Condition - Complex Model - Rainfall Adjusted to 111.5% - Multi-Day - 500 cfs Outflow

Node	Location	(ac)	Total Area (sq. mi.)	Subbasin Lag (hr)	Peak Flow Rate (cfs)	Runoff Volume (ac-ft)	Basin Volume (ac-ft)
780	Basin Inflow	4,741	7.41	0.52	5,921	1,351	
780	Basin Outflow	4,741	7.41	0.52	500	1,351	555

Table 5 - Hydrologic Summary - 100-Year - Expected Value - Multi-Day Event

PRELIMINARY DRAFT – FOR INTERNAL USE ONLY

TECHNICAL APPENDIX IV-A
HYDROLOGIC ANALYSIS
EXISTING CONDITION

PRELIMINARY DRAFT – FOR INTERNAL USE ONLY

HYDROLOGY ANALYSIS FOR CANADA GOBERNADORA EXISTING CONDITION 100-YEAR HIGH CONFIDENCE STORM EVENT

Losses

Node	E6374
Total Area (ac)	6,963.2
24-Hour Rainfall Depth (in)	5.63
Fm (in/hr)	0.21
Y-Bar	0.44

	Ap	Curve Number (AMC II)				Subarea (ac)				Total (ac)			
Description	%	A	B	C	D	A	B	C	D	A	B	C	D
Commercial	10	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-7 Dwellings / Acre	50	32	56	69	75	0.6	9.3	6.4	0.2	0.6	54.4	71.2	11.2
3-4 Dwellings / Acre	60	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	896.8	0.0
2 Dwellings / Acre	70	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	1,034.3	0.0
1 Dwelling / 2.5 Acre	90	32	56	69	75	0.0	0.0	0.0	0.0	0.0	28.7	1,593.6	0.0
Public Park	85	32	56	69	75	0.0	0.0	0.0	0.9	0.0	0.0	1,067.0	0.9
Barren (Poor)	100	78	86	91	93	47.3	157.3	51.9	4.7	47.3	157.3	51.9	4.7
Chaparral, Broadleaf (Fair)	100	40	63	75	81	0.0	9.5	99.5	95.1	0.0	9.5	99.5	95.1
Chaparral, Narrowleaf (Fair)	100	55	72	81	86	0.0	0.0	9.1	10.9	0.0	0.0	9.1	10.9
Grass (Fair)	100	50	69	79	84	2.5	41.5	46.5	37.8	2.5	41.5	46.5	37.8
Meadows or Cienegas (Good)	100	30	58	71	78	0.4	0.0	4.0	0.0	0.4	0.0	4.0	0.0
Open Brush (Fair)	100	46	66	77	83	1.3	46.1	402.1	298.8	1.3	46.1	402.1	298.8
Woodland (Fair)	100	36	60	73	79	8.6	52.7	106.5	32.5	8.6	52.7	106.5	32.5
Fallow (Poor)	100	77	86	91	94	1.3	11.5	31.8	37.4	1.3	11.5	31.8	37.4
Orchards, Evergreen (Fair)	100	44	65	77	82	0.0	17.7	2.2	23.5	0.0	17.7	2.2	23.5
Pasture, Dryland (Fair)	100	49	69	79	84	37.7	103.5	106.8	263.0	37.7	103.5	106.8	263.0
Turf (Fair)	100	44	65	77	82	0.0	0.0	1.3	0.2	0.0	0.0	1.3	0.2

		S				Ia				Y			
Description		A	B	C	D	A	B	C	D	A	B	C	D
Commercial		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
5-7 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
3-4 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
2 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
1 Dwelling / 2.5 Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Public Park		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Barren (Poor)		2.82	1.63	0.99	0.75	0.56	0.33	0.20	0.15	0.58	0.72	0.82	0.86
Chaparral, Broadleaf (Fair)		15.00	5.87	3.33	2.35	3.00	1.17	0.67	0.47	0.07	0.34	0.53	0.63
Chaparral, Narrowleaf (Fair)		8.18	3.89	2.35	1.63	1.64	0.78	0.47	0.33	0.23	0.48	0.63	0.72
Grass (Fair)		10.00	4.49	2.66	1.90	2.00	0.90	0.53	0.38	0.17	0.43	0.60	0.68
Meadows or Cienegas (Good)		23.33	7.24	4.08	2.82	4.67	1.45	0.82	0.56	0.01	0.27	0.46	0.58
Open Brush (Fair)		11.74	5.15	2.99	2.05	2.35	1.03	0.60	0.41	0.13	0.39	0.56	0.67
Woodland (Fair)		17.78	6.67	3.70	2.66	3.56	1.33	0.74	0.53	0.04	0.30	0.49	0.60
Fallow (Poor)		2.99	1.63	0.99	0.64	0.60	0.33	0.20	0.13	0.56	0.72	0.82	0.88
Orchards, Evergreen (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65
Pasture, Dryland (Fair)		10.41	4.49	2.66	1.90	2.08	0.90	0.53	0.38	0.16	0.43	0.60	0.68
Turf (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65

```
************************************************************************
            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
           (Reference: 1986 ORANGE COUNTY HYDROLOGY CRITERION)
         (c) Copyright 1983-2003 Advanced Engineering Software (aes)
             Ver. 8.0  Release Date: 01/01/2003  License ID 1202

                          Analysis prepared by:

                          Huitt - Zollars, Inc.
                         430 Exchange, Suite 200
                          Irvine, CA. 92602-1309
                             714 - 734 - 5100

 ************************* DESCRIPTION OF STUDY *************************
*                                                                      *
*                                                                      *
*                                                                      *
 ************************************************************************

  FILE NAME: CE63100H.DAT
  TIME/DATE OF STUDY: 12:34 05/29/2004
========================================================================
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
========================================================================
                    --*TIME-OF-CONCENTRATION MODEL*--

  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  18.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  *DATA BANK RAINFALL USED*
  *ANTECEDENT MOISTURE CONDITION (AMC) II ASSUMED FOR RATIONAL METHOD*

  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  ================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*
  *USER-SPECIFIED MINIMUM TOPOGRAPHIC SLOPE ADJUSTMENT NOT SELECTED

************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE =   7
------------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
========================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN.) =  36.19   RAINFALL INTENSITY(INCH/HR) =  1.99
  EFFECTIVE AREA(ACRES) =  4741.30
  TOTAL AREA(ACRES) =  4741.30        PEAK FLOW RATE(CFS) =   7547.37
  AREA-AVERAGED Fm(INCH/HR) =   0.19  AREA-AVERAGED Fp(INCH/HR) =   0.30
  AREA-AVERAGED Ap =  0.63
  NOTE: EFFECTIVE AREA IS USED AS THE TOTAL CONTRIBUTING AREA FOR ALL
        CONFLUENCE ANALYSES.

************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE =  51
------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    408.00  DOWNSTREAM(FEET) =    382.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  2533.00   CHANNEL SLOPE =  0.0103
  CHANNEL BASE(FEET) =   20.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   7547.37
  FLOW VELOCITY(FEET/SEC.) =  15.25   FLOW DEPTH(FEET) =  14.39
  TRAVEL TIME(MIN.) =   2.77   Tc(MIN.) =  38.96
  LONGEST FLOWPATH FROM NODE    780.00 TO NODE   6311.00 =  2533.00 FEET.

************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
  MAINLINE Tc(MIN) =  38.96
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.911
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                   A        1.30      0.40      1.00    77
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       A        0.60      0.40      0.50    32
  NATURAL POOR COVER
  "BARREN"                   A        1.60      0.40      1.00    78
  NATURAL FAIR COVER
  "GRASS"                    A        2.30      0.40      1.00    50
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          A       29.80      0.40      1.00    49
  NATURAL FAIR COVER
  "WOODLAND"                 A        5.10      0.40      1.00    36
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.40
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.99
  SUBAREA AREA(ACRES) =   40.70      SUBAREA RUNOFF(CFS) =   55.46
  EFFECTIVE AREA(ACRES) =   4782.00   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.63
  TOTAL AREA(ACRES) =   4782.00       PEAK FLOW RATE(CFS) =    7547.37
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
  MAINLINE Tc(MIN) =  38.96
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.911
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                   B        1.10      0.30      1.00    86
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       B        9.30      0.30      0.50    56
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        1.80      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          B       12.20      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.20      0.30      1.00    60
  AGRICULTURAL POOR COVER
  "FALLOW"                   C        0.20      0.25      1.00    91
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.30
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.81
  SUBAREA AREA(ACRES) =   24.80      SUBAREA RUNOFF(CFS) =   37.23
  EFFECTIVE AREA(ACRES) =   4806.80   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.63
  TOTAL AREA(ACRES) =   4806.80       PEAK FLOW RATE(CFS) =    7547.37
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
  MAINLINE Tc(MIN) =  38.96
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.911
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        1.60      0.25      1.00    75
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       C        6.40      0.25      0.50    69
  NATURAL FAIR COVER
  "GRASS"                    C        0.40      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C       26.30      0.25      1.00    77
  AGRICULTURAL FAIR COVER
```

```
  "PASTURE,DRYLAND"          C       13.20      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                 C        1.30      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.93
  SUBAREA AREA(ACRES) =   49.20      SUBAREA RUNOFF(CFS) =   74.28
  EFFECTIVE AREA(ACRES) =   4856.00   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.64
  TOTAL AREA(ACRES) =   4856.00       PEAK FLOW RATE(CFS) =    7547.37
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  38.96
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.911
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                   D        0.20      0.20      1.00    94
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       D        0.20      0.20      0.50    75
  NATURAL FAIR COVER
  "GRASS"                    D        0.20      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        4.50      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          D       16.90      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   22.00      SUBAREA RUNOFF(CFS) =   33.90
  EFFECTIVE AREA(ACRES) =   4878.00   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.64
  TOTAL AREA(ACRES) =   4878.00       PEAK FLOW RATE(CFS) =    7549.97

****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  38.96
  RAINFALL INTENSITY(INCH/HR) =   1.91
  AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30
  AREA-AVERAGED Ap =  0.64
  EFFECTIVE STREAM AREA(ACRES) =  4878.00
  TOTAL STREAM AREA(ACRES) =  4878.00
  PEAK FLOW RATE(CFS) AT CONFLUENCE =   7549.97

****************************************************************************
  FLOW PROCESS FROM NODE   6300.00 TO NODE   6301.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   317.00
  ELEVATION DATA: UPSTREAM(FEET) =    801.00  DOWNSTREAM(FEET) =    685.00

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    8.641
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.562
  SUBAREA Tc AND LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.40      0.25      1.00    77    8.64
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      D        0.50      0.20      1.00    81    8.64
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        0.30      0.20      1.00    83    8.64
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA RUNOFF(CFS) =      4.69
  TOTAL AREA(ACRES) =      1.20   PEAK FLOW RATE(CFS) =      4.69

****************************************************************************
  FLOW PROCESS FROM NODE   6301.00 TO NODE   6302.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    685.00  DOWNSTREAM(FEET) =    655.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   135.00   CHANNEL SLOPE =  0.2222
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      4.69
  FLOW VELOCITY(FEET/SEC.) =   7.46   FLOW DEPTH(FEET) =   0.44
  TRAVEL TIME(MIN.) =   0.30   Tc(MIN.) =   8.94
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6302.00 =   452.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6301.00 TO NODE   6302.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   8.94
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.473
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.20      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      D        0.50      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        0.50      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.21
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    1.20      SUBAREA RUNOFF(CFS) =    4.61
  EFFECTIVE AREA(ACRES) =      2.40   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      2.40       PEAK FLOW RATE(CFS) =       9.20

****************************************************************************
  FLOW PROCESS FROM NODE   6302.00 TO NODE   6303.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    655.00  DOWNSTREAM(FEET) =    630.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   203.00   CHANNEL SLOPE =  0.1232
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      9.20
  FLOW VELOCITY(FEET/SEC.) =   7.21   FLOW DEPTH(FEET) =   0.74
  TRAVEL TIME(MIN.) =   0.47   Tc(MIN.) =   9.41
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6303.00 =   655.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6302.00 TO NODE   6303.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   9.41
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.334
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.20      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      D        0.40      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        1.70      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    2.30      SUBAREA RUNOFF(CFS) =    8.55
  EFFECTIVE AREA(ACRES) =      4.70   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      4.70       PEAK FLOW RATE(CFS) =      17.45
```

```
****************************************************************************
  FLOW PROCESS FROM NODE   6303.00 TO NODE   6304.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    630.00  DOWNSTREAM(FEET) =    605.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   321.00   CHANNEL SLOPE =  0.0779
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     17.45
  FLOW VELOCITY(FEET/SEC.) =   7.02   FLOW DEPTH(FEET) =   0.87
  TRAVEL TIME(MIN.) =   0.76   Tc(MIN.) =  10.17
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6304.00 =   976.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6303.00 TO NODE   6304.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.17
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.125
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        0.20      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.90      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.10      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.30      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    3.50      SUBAREA RUNOFF(CFS) =   12.32
  EFFECTIVE AREA(ACRES) =      8.20   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      8.20       PEAK FLOW RATE(CFS) =      28.88

****************************************************************************
  FLOW PROCESS FROM NODE   6304.00 TO NODE   6305.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    605.00  DOWNSTREAM(FEET) =    585.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   288.00   CHANNEL SLOPE =  0.0694
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     28.88
  FLOW VELOCITY(FEET/SEC.) =   7.72   FLOW DEPTH(FEET) =   1.18
  TRAVEL TIME(MIN.) =   0.62   Tc(MIN.) =  10.80
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6305.00 =  1264.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6304.00 TO NODE   6305.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.80
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.001
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        0.40      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        2.90      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.90      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.20      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    6.40      SUBAREA RUNOFF(CFS) =   21.74
  EFFECTIVE AREA(ACRES) =     14.60   AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     14.60       PEAK FLOW RATE(CFS) =      49.71

****************************************************************************
  FLOW PROCESS FROM NODE   6305.00 TO NODE   6306.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    585.00  DOWNSTREAM(FEET) =    560.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   344.00   CHANNEL SLOPE =  0.0727
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     49.71
  FLOW VELOCITY(FEET/SEC.) =   9.07   FLOW DEPTH(FEET) =   1.55
  TRAVEL TIME(MIN.) =   0.63   Tc(MIN.) =  11.43
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6306.00 =  1608.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6305.00 TO NODE   6306.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  11.43
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.874
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        0.40      0.30      1.00    63
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        3.60      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.80      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        1.40      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        3.70      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   10.90      SUBAREA RUNOFF(CFS) =   35.77
  EFFECTIVE AREA(ACRES) =     25.50   AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     25.50       PEAK FLOW RATE(CFS) =      83.82

****************************************************************************
  FLOW PROCESS FROM NODE   6306.00 TO NODE   6307.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    560.00  DOWNSTREAM(FEET) =    530.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   619.00   CHANNEL SLOPE =  0.0485
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     83.82
  FLOW VELOCITY(FEET/SEC.) =   8.84   FLOW DEPTH(FEET) =   1.93
  TRAVEL TIME(MIN.) =   1.17   Tc(MIN.) =  12.59
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6307.00 =  2227.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6306.00 TO NODE   6307.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  12.59
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.646
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        2.10      0.30      1.00    63
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        5.30      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        4.30      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        1.50      0.20      1.00    81
  NATURAL FAIR COVER
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  "OPEN BRUSH"                D        1.90      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   15.10      SUBAREA RUNOFF(CFS) =   46.21
  EFFECTIVE AREA(ACRES) =     40.60   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     40.60       PEAK FLOW RATE(CFS) =     124.79

****************************************************************************
  FLOW PROCESS FROM NODE   6307.00 TO NODE   6308.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    530.00  DOWNSTREAM(FEET) =    515.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   377.00   CHANNEL SLOPE =  0.0398
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    124.79
  FLOW VELOCITY(FEET/SEC.) =   9.12   FLOW DEPTH(FEET) =   2.49
  TRAVEL TIME(MIN.) =   0.69   Tc(MIN.) =  13.28
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6308.00 =  2604.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6307.00 TO NODE   6308.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  13.28
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.547
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        0.90      0.30      1.00    63
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.20      0.30      1.00    66
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        7.80      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        4.40      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        1.60      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        3.30      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   18.20      SUBAREA RUNOFF(CFS) =   54.18
  EFFECTIVE AREA(ACRES) =     58.80   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     58.80       PEAK FLOW RATE(CFS) =     175.35

****************************************************************************
  FLOW PROCESS FROM NODE   6308.00 TO NODE   6309.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    515.00  DOWNSTREAM(FEET) =    490.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   520.00   CHANNEL SLOPE =  0.0481
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    175.35
  FLOW VELOCITY(FEET/SEC.) =  10.65   FLOW DEPTH(FEET) =   2.83
  TRAVEL TIME(MIN.) =   0.81   Tc(MIN.) =  14.10
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6309.00 =  3124.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6308.00 TO NODE   6309.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  14.10
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.430
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        1.40      0.30      1.00    63
  NATURAL FAIR COVER
  "GRASS"                     B        3.10      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        1.50      0.30      1.00    66
  NATURAL FAIR COVER
  "WOODLAND"                  B        1.00      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        7.30      0.25      1.00    75
  NATURAL FAIR COVER
  "GRASS"                     C        0.20      0.25      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.27
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   14.50      SUBAREA RUNOFF(CFS) =   41.18
  EFFECTIVE AREA(ACRES) =     73.30   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     73.30       PEAK FLOW RATE(CFS) =     210.33

****************************************************************************
  FLOW PROCESS FROM NODE   6308.00 TO NODE   6309.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  14.10
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.430
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C       11.10      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        8.00      0.25      1.00    73
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        3.10      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        8.30      0.20      1.00    83
  NATURAL FAIR COVER
  "WOODLAND"                  D        2.40      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   32.90      SUBAREA RUNOFF(CFS) =   94.78
  EFFECTIVE AREA(ACRES) =    106.20   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    106.20       PEAK FLOW RATE(CFS) =     305.11

****************************************************************************
  FLOW PROCESS FROM NODE   6309.00 TO NODE   6310.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    490.00  DOWNSTREAM(FEET) =    432.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1420.00   CHANNEL SLOPE =  0.0408
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    305.11
  FLOW VELOCITY(FEET/SEC.) =  11.52   FLOW DEPTH(FEET) =   3.52
  TRAVEL TIME(MIN.) =   2.05   Tc(MIN.) =  16.15
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6310.00 =  4544.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6309.00 TO NODE   6310.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  16.15
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.171
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        0.20      0.30      1.00    63
  NATURAL FAIR COVER
  "GRASS"                     B        0.70      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        1.30      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        0.90      0.30      1.00    69
```

```
  NATURAL FAIR COVER
  "WOODLAND"                B        5.50      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"     C        2.70      0.25      1.00    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.29
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   11.30      SUBAREA RUNOFF(CFS) =   29.32
  EFFECTIVE AREA(ACRES) =    117.50   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    117.50       PEAK FLOW RATE(CFS) =     309.67

****************************************************************************
  FLOW PROCESS FROM NODE   6309.00 TO NODE   6310.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  16.15
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.171
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                   C        0.40      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"              C       11.60      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         C        8.10      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                C        3.10      0.25      1.00    73
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         D        0.90      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   24.10      SUBAREA RUNOFF(CFS) =   63.40
  EFFECTIVE AREA(ACRES) =    141.60   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    141.60       PEAK FLOW RATE(CFS) =     373.06

****************************************************************************
  FLOW PROCESS FROM NODE   6310.00 TO NODE   6311.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    432.00  DOWNSTREAM(FEET) =    382.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1847.00   CHANNEL SLOPE =  0.0271
  CHANNEL BASE(FEET) =    5.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   5.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    373.06
  FLOW VELOCITY(FEET/SEC.) =  10.36   FLOW DEPTH(FEET) =   4.00
  TRAVEL TIME(MIN.) =   2.97   Tc(MIN.) =  19.12
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6311.00 =  6391.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6310.00 TO NODE   6311.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  19.12
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.877
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                  A        4.90      0.40      1.00    78
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         A        0.60      0.40      1.00    49
  NATURAL FAIR COVER
  "OPEN BRUSH"              B        0.70      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         B        2.90      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                B        0.40      0.30      1.00    60
  NATURAL FAIR COVER
  "OPEN BRUSH"              C        0.10      0.25      1.00    77
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.36
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    9.60      SUBAREA RUNOFF(CFS) =   21.78
  EFFECTIVE AREA(ACRES) =    151.20   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    151.20       PEAK FLOW RATE(CFS) =     373.06
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6310.00 TO NODE   6311.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  19.12
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.877
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         C        7.40      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                C        0.60      0.25      1.00    73
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         D        3.60      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   11.60      SUBAREA RUNOFF(CFS) =   27.59
  EFFECTIVE AREA(ACRES) =    162.80   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    162.80       PEAK FLOW RATE(CFS) =     384.99

****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =  19.12
  RAINFALL INTENSITY(INCH/HR) =   2.88
  AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25
  AREA-AVERAGED Ap =  1.00
  EFFECTIVE STREAM AREA(ACRES) =   162.80
  TOTAL STREAM AREA(ACRES) =   162.80
  PEAK FLOW RATE(CFS) AT CONFLUENCE =    384.99

  ** CONFLUENCE DATA **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
      1   7549.97  38.96    1.911  0.30( 0.19) 0.64  4878.0     780.00
      2    384.99  19.12    2.877  0.25( 0.25) 1.00   162.8    6300.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
      1   6172.55  19.12    2.877  0.30( 0.20) 0.66  2557.3    6300.00
      2   7793.44  38.96    1.911  0.30( 0.19) 0.65  5040.8     780.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =   7793.44    Tc(MIN.) =    38.96
  EFFECTIVE AREA(ACRES) =  5040.80   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =   5040.80
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6311.00 =  6391.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    382.00  DOWNSTREAM(FEET) =    375.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1141.00   CHANNEL SLOPE =  0.0061
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   7793.44
```

```
 FLOW VELOCITY(FEET/SEC.) =  12.50   FLOW DEPTH(FEET) =  14.12
 TRAVEL TIME(MIN.) =   1.52   Tc(MIN.) =  40.48
 LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6330.00 =  7532.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  40.48
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.869
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL POOR COVER
 "BARREN"                    A       13.20      0.40      1.00    78
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"           A        0.90      0.40      1.00    49
 NATURAL FAIR COVER
 "WOODLAND"                  A        0.60      0.40      1.00    36
 NATURAL POOR COVER
 "BARREN"                    B        4.60      0.30      1.00    86
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"           B       12.60      0.30      1.00    69
 NATURAL FAIR COVER
 "WOODLAND"                  B        0.10      0.30      1.00    60
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.35
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   32.00      SUBAREA RUNOFF(CFS) =   43.86
 EFFECTIVE AREA(ACRES) =   5072.80   AREA-AVERAGED Fm(INCH/HR) =  0.19
 AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.65
 TOTAL AREA(ACRES) =   5072.80       PEAK FLOW RATE(CFS) =    7793.44
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  40.48
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.869
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL POOR COVER
 "BARREN"                    C        0.20      0.25      1.00    91
 NATURAL FAIR COVER
 "OPEN BRUSH"                C        6.90      0.25      1.00    77
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"           C        8.00      0.25      1.00    79
 NATURAL FAIR COVER
 "WOODLAND"                  C        0.50      0.25      1.00    73
 NATURAL FAIR COVER
 "OPEN BRUSH"                D        0.20      0.20      1.00    83
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"           D       12.30      0.20      1.00    84
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   28.10      SUBAREA RUNOFF(CFS) =   41.51
 EFFECTIVE AREA(ACRES) =   5100.90   AREA-AVERAGED Fm(INCH/HR) =  0.19
 AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.65
 TOTAL AREA(ACRES) =   5100.90       PEAK FLOW RATE(CFS) =    7793.44
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  40.48
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.869
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "WOODLAND"                  D        0.70      0.20      1.00    79
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =    0.70      SUBAREA RUNOFF(CFS) =    1.05
 EFFECTIVE AREA(ACRES) =   5101.60   AREA-AVERAGED Fm(INCH/HR) =  0.19
 AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.65
 TOTAL AREA(ACRES) =   5101.60       PEAK FLOW RATE(CFS) =    7793.44
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
 TIME OF CONCENTRATION(MIN.) =  40.48
 RAINFALL INTENSITY(INCH/HR) =   1.87
 AREA-AVERAGED Fm(INCH/HR) =  0.19
 AREA-AVERAGED Fp(INCH/HR) =  0.30
 AREA-AVERAGED Ap =  0.65
 EFFECTIVE STREAM AREA(ACRES) =  5101.60
 TOTAL STREAM AREA(ACRES) =  5101.60
 PEAK FLOW RATE(CFS) AT CONFLUENCE =   7793.44

****************************************************************************
 FLOW PROCESS FROM NODE   6320.00 TO NODE   6321.00 IS CODE =  21
----------------------------------------------------------------------------
 >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
 >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
 INITIAL SUBAREA FLOW-LENGTH(FEET) =   305.00
 ELEVATION DATA: UPSTREAM(FEET) =    715.00  DOWNSTREAM(FEET) =    660.00

 Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
 SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    9.802
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.219
 SUBAREA Tc AND LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS   Tc
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
 NATURAL FAIR COVER
 "OPEN BRUSH"                C        0.20      0.25      1.00    77    9.80
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"           C        0.30      0.25      1.00    79    9.80
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"           D        0.30      0.20      1.00    84    9.80
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA RUNOFF(CFS) =      2.87
 TOTAL AREA(ACRES) =      0.80   PEAK FLOW RATE(CFS) =      2.87

****************************************************************************
 FLOW PROCESS FROM NODE   6321.00 TO NODE   6322.00 IS CODE =  51
----------------------------------------------------------------------------
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    660.00  DOWNSTREAM(FEET) =    650.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =   148.00   CHANNEL SLOPE =  0.0676
 CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
 MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
 CHANNEL FLOW THRU SUBAREA(CFS) =      2.87
 FLOW VELOCITY(FEET/SEC.) =   4.27   FLOW DEPTH(FEET) =   0.46
 TRAVEL TIME(MIN.) =   0.58   Tc(MIN.) =  10.38
 LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6322.00 =   453.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE   6321.00 TO NODE   6322.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  10.38
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.084
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "OPEN BRUSH"                C        0.40      0.25      1.00    77
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"           C        0.60      0.25      1.00    79
 NATURAL FAIR COVER
```

```
  "OPEN BRUSH"                D        0.20      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        0.80      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     2.00      SUBAREA RUNOFF(CFS) =     6.95
  EFFECTIVE AREA(ACRES) =      2.80   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      2.80       PEAK FLOW RATE(CFS) =       9.72

****************************************************************************
  FLOW PROCESS FROM NODE   6322.00 TO NODE   6323.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    650.00  DOWNSTREAM(FEET) =    620.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   262.00   CHANNEL SLOPE =  0.1145
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      9.72
  FLOW VELOCITY(FEET/SEC.) =   7.16   FLOW DEPTH(FEET) =   0.77
  TRAVEL TIME(MIN.) =   0.61   Tc(MIN.) =  10.99
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6323.00 =   715.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6322.00 TO NODE   6323.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.99
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.962
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.80      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        0.60      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.30      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        1.30      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     3.00      SUBAREA RUNOFF(CFS) =    10.09
  EFFECTIVE AREA(ACRES) =      5.80   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      5.80       PEAK FLOW RATE(CFS) =      19.51

****************************************************************************
  FLOW PROCESS FROM NODE   6323.00 TO NODE   6324.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    620.00  DOWNSTREAM(FEET) =    610.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   193.00   CHANNEL SLOPE =  0.0518
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     19.51
  FLOW VELOCITY(FEET/SEC.) =   6.23   FLOW DEPTH(FEET) =   1.03
  TRAVEL TIME(MIN.) =   0.52   Tc(MIN.) =  11.51
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6324.00 =   908.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6323.00 TO NODE   6324.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  11.51
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.859
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.30      0.25      1.00    77
  AGRICULTURAL FAIR COVER
```

```
  "PASTURE,DRYLAND"           C        1.50      0.25      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     2.80      SUBAREA RUNOFF(CFS) =     9.09
  EFFECTIVE AREA(ACRES) =      8.60   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      8.60       PEAK FLOW RATE(CFS) =      28.06

****************************************************************************
  FLOW PROCESS FROM NODE   6324.00 TO NODE   6325.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    610.00  DOWNSTREAM(FEET) =    580.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   384.00   CHANNEL SLOPE =  0.0781
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     28.06
  FLOW VELOCITY(FEET/SEC.) =   7.99   FLOW DEPTH(FEET) =   1.12
  TRAVEL TIME(MIN.) =   0.80   Tc(MIN.) =  12.31
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6325.00 =  1292.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6324.00 TO NODE   6325.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  12.31
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.699
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.20      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        0.70      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        2.90      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        3.20      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                  C        0.20      0.25      1.00    73
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        1.10      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     8.30      SUBAREA RUNOFF(CFS) =    25.77
  EFFECTIVE AREA(ACRES) =     16.90   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     16.90       PEAK FLOW RATE(CFS) =      52.59

****************************************************************************
  FLOW PROCESS FROM NODE   6324.00 TO NODE   6325.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  12.31
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.699
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        0.50      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     0.50      SUBAREA RUNOFF(CFS) =     1.57
  EFFECTIVE AREA(ACRES) =     17.40   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     17.40       PEAK FLOW RATE(CFS) =      54.17

****************************************************************************
  FLOW PROCESS FROM NODE   6325.00 TO NODE   6326.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    580.00  DOWNSTREAM(FEET) =    530.00
```

```
  CHANNEL LENGTH THRU SUBAREA(FEET) =   805.00   CHANNEL SLOPE =  0.0621
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     54.17
  FLOW VELOCITY(FEET/SEC.) =   8.74   FLOW DEPTH(FEET) =   1.68
  TRAVEL TIME(MIN.) =   1.54   Tc(MIN.) =  13.84
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6326.00 =  2097.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6325.00 TO NODE   6326.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  13.84
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.467
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.20      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        6.10      0.30      1.00    69
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        4.60      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.80      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        2.40      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   16.10      SUBAREA RUNOFF(CFS) =   46.56
  EFFECTIVE AREA(ACRES) =     33.50   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     33.50       PEAK FLOW RATE(CFS) =      97.09

****************************************************************************
  FLOW PROCESS FROM NODE   6326.00 TO NODE   6327.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    530.00  DOWNSTREAM(FEET) =    490.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   946.00   CHANNEL SLOPE =  0.0423
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     97.09
  FLOW VELOCITY(FEET/SEC.) =   8.73   FLOW DEPTH(FEET) =   2.16
  TRAVEL TIME(MIN.) =   1.81   Tc(MIN.) =  15.65
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6327.00 =  3043.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6326.00 TO NODE   6327.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  15.65
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.227
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        3.70      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        0.70      0.30      1.00    60
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        0.40      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.30      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D       15.20      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.70      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   23.00      SUBAREA RUNOFF(CFS) =   62.25
  EFFECTIVE AREA(ACRES) =     56.50   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     56.50       PEAK FLOW RATE(CFS) =     152.13

****************************************************************************
  FLOW PROCESS FROM NODE   6327.00 TO NODE   6328.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    490.00  DOWNSTREAM(FEET) =    470.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   938.00   CHANNEL SLOPE =  0.0213
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    152.13
  FLOW VELOCITY(FEET/SEC.) =   7.56   FLOW DEPTH(FEET) =   2.91
  TRAVEL TIME(MIN.) =   2.07   Tc(MIN.) =  17.72
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6328.00 =  3981.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6327.00 TO NODE   6328.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  17.72
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.001
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        1.10      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B       14.40      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        0.90      0.30      1.00    60
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        5.50      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        1.10      0.25      1.00    79
  NATURAL FAIR COVER
  "GRASS"                     D        0.40      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   23.40      SUBAREA RUNOFF(CFS) =   57.22
  EFFECTIVE AREA(ACRES) =     79.90   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     79.90       PEAK FLOW RATE(CFS) =     197.83

****************************************************************************
  FLOW PROCESS FROM NODE   6327.00 TO NODE   6328.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  17.72
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.001
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        6.60      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D       27.30      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.20      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   34.10      SUBAREA RUNOFF(CFS) =   85.96
  EFFECTIVE AREA(ACRES) =    114.00   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    114.00       PEAK FLOW RATE(CFS) =     283.80

****************************************************************************
  FLOW PROCESS FROM NODE   6328.00 TO NODE   6329.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    470.00  DOWNSTREAM(FEET) =    405.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1687.00   CHANNEL SLOPE =  0.0385
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    283.80
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  FLOW VELOCITY(FEET/SEC.) =  11.06   FLOW DEPTH(FEET) =   3.45
  TRAVEL TIME(MIN.) =   2.54   Tc(MIN.) =  20.26
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6329.00 =  5668.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6328.00 TO NODE   6329.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  20.26
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.780
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                A        0.20      0.40      1.00    46
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           A        0.10      0.40      1.00    49
  NATURAL FAIR COVER
  "WOODLAND"                  A        0.40      0.40      1.00    36
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        2.50      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        6.40      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        0.80      0.30      1.00    60
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.31
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   10.40      SUBAREA RUNOFF(CFS) =   23.15
  EFFECTIVE AREA(ACRES) =    124.40   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    124.40       PEAK FLOW RATE(CFS) =     284.32

****************************************************************************
  FLOW PROCESS FROM NODE   6328.00 TO NODE   6329.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  20.26
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.780
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C       15.00      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        0.20      0.25      1.00    79
  NATURAL FAIR COVER
  "GRASS"                     D        0.20      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        4.80      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        2.70      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                  D        2.00      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   24.90      SUBAREA RUNOFF(CFS) =   57.14
  EFFECTIVE AREA(ACRES) =    149.30   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    149.30       PEAK FLOW RATE(CFS) =     341.46

****************************************************************************
  FLOW PROCESS FROM NODE   6329.00 TO NODE   6330.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    405.00  DOWNSTREAM(FEET) =    375.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1040.00   CHANNEL SLOPE =  0.0288
  CHANNEL BASE(FEET) =    5.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   5.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    341.46
  FLOW VELOCITY(FEET/SEC.) =  10.37   FLOW DEPTH(FEET) =   3.76
  TRAVEL TIME(MIN.) =   1.67   Tc(MIN.) =  21.93
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6330.00 =  6708.00 FEET.

****************************************************************************
```

```
  FLOW PROCESS FROM NODE   6329.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  21.93
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.653
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A        0.10      0.40      1.00    78
  NATURAL FAIR COVER
  "OPEN BRUSH"                A        1.10      0.40      1.00    46
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           A        4.10      0.40      1.00    49
  NATURAL FAIR COVER
  "WOODLAND"                  A        0.50      0.40      1.00    36
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        0.20      0.30      1.00    63
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        5.30      0.30      1.00    66
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.35
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   11.30      SUBAREA RUNOFF(CFS) =   23.41
  EFFECTIVE AREA(ACRES) =    160.60   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    160.60       PEAK FLOW RATE(CFS) =     347.81

****************************************************************************
  FLOW PROCESS FROM NODE   6329.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  21.93
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.653
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        3.80      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        1.30      0.30      1.00    60
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        2.60      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        0.10      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        6.90      0.20      1.00    81
  NATURAL FAIR COVER
  "GRASS"                     D        3.10      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   17.80      SUBAREA RUNOFF(CFS) =   38.72
  EFFECTIVE AREA(ACRES) =    178.40   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    178.40       PEAK FLOW RATE(CFS) =     386.53

****************************************************************************
  FLOW PROCESS FROM NODE   6329.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  21.93
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.653
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                D       27.90      0.20      1.00    83
  PUBLIC PARK                 D        0.90      0.20      0.85    75
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D       16.30      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                  D        3.80      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   48.90      SUBAREA RUNOFF(CFS) =  108.00
  EFFECTIVE AREA(ACRES) =    227.30   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
```

```
  TOTAL AREA(ACRES) =    227.30       PEAK FLOW RATE(CFS) =     494.53

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =  21.93
  RAINFALL INTENSITY(INCH/HR) =   2.65
  AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24
  AREA-AVERAGED Ap =  1.00
  EFFECTIVE STREAM AREA(ACRES) =   227.30
  TOTAL STREAM AREA(ACRES) =   227.30
  PEAK FLOW RATE(CFS) AT CONFLUENCE =    494.53

  ** CONFLUENCE DATA **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)        (ACRES)    NODE
      1   6172.55  20.75    2.743  0.29( 0.20) 0.67  2618.1    6300.00
      1   7793.44  40.48    1.869  0.30( 0.19) 0.65  5101.6     780.00
      2    494.53  21.93    2.653  0.24( 0.24) 1.00   227.3    6320.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM     Q     Tc    Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)        (ACRES)    NODE
      1   6657.80  20.75    2.743  0.29( 0.20) 0.69  2833.1    6300.00
      2   6764.24  21.93    2.653  0.29( 0.20) 0.69  2994.2    6320.00
      3   8127.50  40.48    1.869  0.29( 0.20) 0.67  5328.9     780.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =   8127.50    Tc(MIN.) =    40.48
  EFFECTIVE AREA(ACRES) =  5328.90   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.67
  TOTAL AREA(ACRES) =   5328.90
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6330.00 =  7532.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6331.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    375.00  DOWNSTREAM(FEET) =    360.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1470.00   CHANNEL SLOPE =  0.0102
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8127.50
  FLOW VELOCITY(FEET/SEC.) =  15.21   FLOW DEPTH(FEET) =  12.56
  TRAVEL TIME(MIN.) =   1.61   Tc(MIN.) =  42.09
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6331.00 =  9002.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6331.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  42.09
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.832
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A        0.40      0.40      1.00    78
  NATURAL FAIR COVER
  "WOODLAND"                  A        0.70      0.40      1.00    36
  NATURAL POOR COVER
  "BARREN"                    B       18.00      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                     B        3.30      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.90      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        3.40      0.30      1.00    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.30
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   26.70      SUBAREA RUNOFF(CFS) =   36.71
  EFFECTIVE AREA(ACRES) =   5355.60   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.67
  TOTAL AREA(ACRES) =   5355.60       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6331.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  42.09
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.832
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "WOODLAND"                  B        3.70      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        0.10      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.70      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        2.50      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        3.70      0.20      1.00    81
  NATURAL FAIR COVER
  "GRASS"                     D        3.80      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   15.50      SUBAREA RUNOFF(CFS) =   22.24
  EFFECTIVE AREA(ACRES) =   5371.10   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.67
  TOTAL AREA(ACRES) =   5371.10       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6331.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  42.09
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.832
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                D       14.30      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        9.50      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                  D        2.90      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   26.70      SUBAREA RUNOFF(CFS) =   39.22
  EFFECTIVE AREA(ACRES) =   5397.80   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.67
  TOTAL AREA(ACRES) =   5397.80       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6331.00 TO NODE   6332.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    360.00  DOWNSTREAM(FEET) =    355.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   724.00   CHANNEL SLOPE =  0.0069
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8127.50
  FLOW VELOCITY(FEET/SEC.) =  13.21   FLOW DEPTH(FEET) =  13.99
  TRAVEL TIME(MIN.) =   0.91   Tc(MIN.) =  43.00
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6332.00 =  9726.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE   6331.00 TO NODE   6332.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  43.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.811
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                  B       13.40      0.30      1.00    86
  NATURAL FAIR COVER
  "OPEN BRUSH"              B        2.70      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         B        5.60      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                B        1.20      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"     D        2.40      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"              D       29.00      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   54.30      SUBAREA RUNOFF(CFS) =   76.66
  EFFECTIVE AREA(ACRES) =   5452.10   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5452.10       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6331.00 TO NODE   6332.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  43.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.811
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         D       24.70      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                D        0.90      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   25.60      SUBAREA RUNOFF(CFS) =   37.12
  EFFECTIVE AREA(ACRES) =   5477.70   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5477.70       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6332.00 TO NODE   6333.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    355.00  DOWNSTREAM(FEET) =    350.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   875.00   CHANNEL SLOPE =  0.0057
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8127.50
  FLOW VELOCITY(FEET/SEC.) =  12.33   FLOW DEPTH(FEET) =  14.74
  TRAVEL TIME(MIN.) =   1.18   Tc(MIN.) =  44.19
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6333.00 = 10601.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6332.00 TO NODE   6333.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  44.19
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.784
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                  A        7.10      0.40      1.00    78
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         A        2.20      0.40      1.00    49
  NATURAL POOR COVER
  "BARREN"                  B       10.90      0.30      1.00    86
  NATURAL FAIR COVER
  "OPEN BRUSH"              B        1.80      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         B       11.80      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                B        1.40      0.30      1.00    60
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.33
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   35.20      SUBAREA RUNOFF(CFS) =   46.17
  EFFECTIVE AREA(ACRES) =   5512.90   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5512.90       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6332.00 TO NODE   6333.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  44.19
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.784
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"     C        3.00      0.25      1.00    75
  NATURAL FAIR COVER
  "GRASS"                   C        1.00      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"              C       13.90      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         C       14.00      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"     D        1.00      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"              D        4.40      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   37.30      SUBAREA RUNOFF(CFS) =   51.73
  EFFECTIVE AREA(ACRES) =   5550.20   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5550.20       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6332.00 TO NODE   6333.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  44.19
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.784
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"         D       14.30      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                D        1.10      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   15.40      SUBAREA RUNOFF(CFS) =   21.95
  EFFECTIVE AREA(ACRES) =   5565.60   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5565.60       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6333.00 TO NODE   6334.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    350.00  DOWNSTREAM(FEET) =    342.00
```

```
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1171.00   CHANNEL SLOPE =  0.0068
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8127.50
  FLOW VELOCITY(FEET/SEC.) =  13.15   FLOW DEPTH(FEET) =  14.03
  TRAVEL TIME(MIN.) =   1.48   Tc(MIN.) =  45.67
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6334.00 = 11772.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6333.00 TO NODE   6334.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  45.67
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.750
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A        8.20      0.40      1.00    78
  NATURAL FAIR COVER
  "WOODLAND"                  A        0.70      0.40      1.00    36
  NATURAL POOR COVER
  "BARREN"                    B        5.50      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                     B        1.10      0.30      1.00    69
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        0.90      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        0.20      0.30      1.00    60
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.35
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   16.60      SUBAREA RUNOFF(CFS) =   20.86
  EFFECTIVE AREA(ACRES) =   5582.20   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5582.20       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6333.00 TO NODE   6334.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  45.67
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.750
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     C        1.60      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        7.00      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        2.10      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.90      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   11.60      SUBAREA RUNOFF(CFS) =   15.70
  EFFECTIVE AREA(ACRES) =   5593.80   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5593.80       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6334.00 TO NODE   6354.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    342.00  DOWNSTREAM(FEET) =    314.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1846.00   CHANNEL SLOPE =  0.0152
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8127.50
  FLOW VELOCITY(FEET/SEC.) =  17.53   FLOW DEPTH(FEET) =  11.24
  TRAVEL TIME(MIN.) =   1.75   Tc(MIN.) =  47.43
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6354.00 = 13618.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6334.00 TO NODE   6354.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  47.43
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.709
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A        8.00      0.40      1.00    78
  NATURAL FAIR COVER
  "WOODLAND"                  A        0.40      0.40      1.00    36
  NATURAL POOR COVER
  "BARREN"                    B        0.70      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                     B        1.50      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.20      0.30      1.00    66
  NATURAL FAIR COVER
  "WOODLAND"                  B        1.10      0.30      1.00    60
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.37
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   11.90      SUBAREA RUNOFF(CFS) =   14.34
  EFFECTIVE AREA(ACRES) =   5605.70   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   5605.70       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6334.00 TO NODE   6354.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  47.43
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.709
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    C        7.60      0.25      1.00    91
  NATURAL FAIR COVER
  "GRASS"                     C        1.30      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        4.40      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        2.90      0.25      1.00    73
  NATURAL FAIR COVER
  "GRASS"                     D        0.20      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        1.20      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   17.60      SUBAREA RUNOFF(CFS) =   23.18
  EFFECTIVE AREA(ACRES) =   5623.30   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   5623.30       PEAK FLOW RATE(CFS) =    8127.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6334.00 TO NODE   6354.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  47.43
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.709
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.10      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    0.10      SUBAREA RUNOFF(CFS) =    0.14
  EFFECTIVE AREA(ACRES) =   5623.40   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   5623.40       PEAK FLOW RATE(CFS) =    8127.50
```

```
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE    6354.00 TO NODE    6354.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  47.43
  RAINFALL INTENSITY(INCH/HR) =   1.71
  AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29
  AREA-AVERAGED Ap =  0.69
  EFFECTIVE STREAM AREA(ACRES) =  5623.40
  TOTAL STREAM AREA(ACRES) =  5623.40
  PEAK FLOW RATE(CFS) AT CONFLUENCE =   8127.50

****************************************************************************
  FLOW PROCESS FROM NODE    6340.00 TO NODE    6341.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   303.00
  ELEVATION DATA: UPSTREAM(FEET) =    769.00  DOWNSTREAM(FEET) =    695.00

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    9.201
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.397
  SUBAREA Tc AND LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.00      0.25      1.00    77    9.20
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA RUNOFF(CFS) =      3.73
  TOTAL AREA(ACRES) =      1.00   PEAK FLOW RATE(CFS) =      3.73

****************************************************************************
  FLOW PROCESS FROM NODE    6341.00 TO NODE    6342.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    695.00  DOWNSTREAM(FEET) =    665.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   167.00   CHANNEL SLOPE =  0.1796
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      3.73
  FLOW VELOCITY(FEET/SEC.) =   6.51   FLOW DEPTH(FEET) =   0.41
  TRAVEL TIME(MIN.) =   0.43   Tc(MIN.) =   9.63
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6342.00 =   470.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    6341.00 TO NODE    6342.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   9.63
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.270
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.30      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        0.60      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    0.90      SUBAREA RUNOFF(CFS) =    3.26
  EFFECTIVE AREA(ACRES) =      1.90   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      1.90       PEAK FLOW RATE(CFS) =       6.87

****************************************************************************
  FLOW PROCESS FROM NODE    6342.00 TO NODE    6343.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    665.00  DOWNSTREAM(FEET) =    645.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   110.00   CHANNEL SLOPE =  0.1818
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      6.87
  FLOW VELOCITY(FEET/SEC.) =   7.73   FLOW DEPTH(FEET) =   0.57
  TRAVEL TIME(MIN.) =   0.24   Tc(MIN.) =   9.87
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6343.00 =   580.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    6342.00 TO NODE    6343.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   9.87
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.200
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.40      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        0.60      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.55
  EFFECTIVE AREA(ACRES) =      2.90   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      2.90       PEAK FLOW RATE(CFS) =      10.31

****************************************************************************
  FLOW PROCESS FROM NODE    6343.00 TO NODE    6344.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    645.00  DOWNSTREAM(FEET) =    630.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   152.00   CHANNEL SLOPE =  0.0987
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     10.31
  FLOW VELOCITY(FEET/SEC.) =   6.89   FLOW DEPTH(FEET) =   0.82
  TRAVEL TIME(MIN.) =   0.37   Tc(MIN.) =  10.23
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6344.00 =   732.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    6343.00 TO NODE    6344.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.23
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.113
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        2.00      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        1.30      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    3.30      SUBAREA RUNOFF(CFS) =   11.47
  EFFECTIVE AREA(ACRES) =      6.20   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      6.20       PEAK FLOW RATE(CFS) =      21.56

****************************************************************************
  FLOW PROCESS FROM NODE    6344.00 TO NODE    6345.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    630.00  DOWNSTREAM(FEET) =    600.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   329.00   CHANNEL SLOPE =  0.0912
```

```
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     21.56
  FLOW VELOCITY(FEET/SEC.) =   7.87   FLOW DEPTH(FEET) =   0.93
  TRAVEL TIME(MIN.) =   0.70   Tc(MIN.) =  10.93
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6345.00 =  1061.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6344.00 TO NODE   6345.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.93
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.974
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        6.60      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        0.40      0.25      1.00    73
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.10      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    7.10      SUBAREA RUNOFF(CFS) =   23.80
  EFFECTIVE AREA(ACRES) =     13.30   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     13.30       PEAK FLOW RATE(CFS) =      44.58

****************************************************************************
  FLOW PROCESS FROM NODE   6345.00 TO NODE   6346.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    600.00  DOWNSTREAM(FEET) =    585.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   297.00   CHANNEL SLOPE =  0.0505
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     44.58
  FLOW VELOCITY(FEET/SEC.) =   7.69   FLOW DEPTH(FEET) =   1.61
  TRAVEL TIME(MIN.) =   0.64   Tc(MIN.) =  11.57
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6346.00 =  1358.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6345.00 TO NODE   6346.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  11.57
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.845
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        3.90      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        6.60      0.25      1.00    73
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.20      0.20      1.00    83
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.10      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   10.80      SUBAREA RUNOFF(CFS) =   34.96
  EFFECTIVE AREA(ACRES) =     24.10   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     24.10       PEAK FLOW RATE(CFS) =      78.00

****************************************************************************
  FLOW PROCESS FROM NODE   6346.00 TO NODE   6347.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    585.00  DOWNSTREAM(FEET) =    540.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   903.00   CHANNEL SLOPE =  0.0498
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     78.00
  FLOW VELOCITY(FEET/SEC.) =   8.75   FLOW DEPTH(FEET) =   1.84
  TRAVEL TIME(MIN.) =   1.72   Tc(MIN.) =  13.29
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6347.00 =  2261.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6346.00 TO NODE   6347.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  13.29
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.546
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        0.90      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C       11.50      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        4.10      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   16.50      SUBAREA RUNOFF(CFS) =   48.94
  EFFECTIVE AREA(ACRES) =     40.60   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     40.60       PEAK FLOW RATE(CFS) =     120.45

****************************************************************************
  FLOW PROCESS FROM NODE   6347.00 TO NODE   6348.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    540.00  DOWNSTREAM(FEET) =    500.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   905.00   CHANNEL SLOPE =  0.0442
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    120.45
  FLOW VELOCITY(FEET/SEC.) =   9.39   FLOW DEPTH(FEET) =   2.38
  TRAVEL TIME(MIN.) =   1.61   Tc(MIN.) =  14.90
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6348.00 =  3166.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6347.00 TO NODE   6348.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  14.90
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.314
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        2.20      0.30      1.00    63
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        1.10      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        2.20      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        1.60      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        2.90      0.25      1.00    75
  NATURAL FAIR COVER
  "GRASS"                     C        0.70      0.25      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   10.70      SUBAREA RUNOFF(CFS) =   29.19
  EFFECTIVE AREA(ACRES) =     51.30   AREA-AVERAGED Fm(INCH/HR) =  0.26
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     51.30       PEAK FLOW RATE(CFS) =     141.18

****************************************************************************
  FLOW PROCESS FROM NODE   6347.00 TO NODE   6348.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
```

```
  MAINLINE Tc(MIN) =  14.90
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.314
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C       17.90      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        2.40      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                  C        2.20      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   22.50      SUBAREA RUNOFF(CFS) =   62.05
  EFFECTIVE AREA(ACRES) =     73.80   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     73.80       PEAK FLOW RATE(CFS) =     203.24

****************************************************************************
  FLOW PROCESS FROM NODE   6348.00 TO NODE   6349.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    500.00  DOWNSTREAM(FEET) =    470.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   844.00   CHANNEL SLOPE =  0.0355
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    203.24
  FLOW VELOCITY(FEET/SEC.) =   9.85   FLOW DEPTH(FEET) =   2.96
  TRAVEL TIME(MIN.) =   1.43   Tc(MIN.) =  16.33
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6349.00 =  4010.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6348.00 TO NODE   6349.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  16.33
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.151
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.60      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        2.40      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        1.30      0.30      1.00    60
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        4.00      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        2.00      0.25      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.27
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   10.30      SUBAREA RUNOFF(CFS) =   26.70
  EFFECTIVE AREA(ACRES) =     84.10   AREA-AVERAGED Fm(INCH/HR) =  0.26
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     84.10       PEAK FLOW RATE(CFS) =     219.10

****************************************************************************
  FLOW PROCESS FROM NODE   6349.00 TO NODE   6350.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    470.00  DOWNSTREAM(FEET) =    445.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   667.00   CHANNEL SLOPE =  0.0375
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    219.10
  FLOW VELOCITY(FEET/SEC.) =  10.24   FLOW DEPTH(FEET) =   3.04
  TRAVEL TIME(MIN.) =   1.09   Tc(MIN.) =  17.41
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6350.00 =  4677.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6349.00 TO NODE   6350.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  17.41
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.030
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        1.10      0.30      1.00    63
  NATURAL FAIR COVER
  "GRASS"                     B        0.70      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        3.60      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        4.20      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        0.70      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        9.40      0.25      1.00    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   19.70      SUBAREA RUNOFF(CFS) =   48.82
  EFFECTIVE AREA(ACRES) =    103.80   AREA-AVERAGED Fm(INCH/HR) =  0.26
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    103.80       PEAK FLOW RATE(CFS) =     258.72

****************************************************************************
  FLOW PROCESS FROM NODE   6349.00 TO NODE   6350.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  17.41
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.030
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C       23.40      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,NARROWLEAF"      C        7.20      0.25      1.00    81
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        0.80      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                  C        3.40      0.25      1.00    73
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.80      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        5.60      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   41.20      SUBAREA RUNOFF(CFS) =  103.36
  EFFECTIVE AREA(ACRES) =    145.00   AREA-AVERAGED Fm(INCH/HR) =  0.26
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    145.00       PEAK FLOW RATE(CFS) =     362.08

****************************************************************************
  FLOW PROCESS FROM NODE   6349.00 TO NODE   6350.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  17.41
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.030
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,NARROWLEAF"      D        4.20      0.20      1.00    86
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.40      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    4.60      SUBAREA RUNOFF(CFS) =   11.71
  EFFECTIVE AREA(ACRES) =    149.60   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    149.60       PEAK FLOW RATE(CFS) =     373.79

****************************************************************************
  FLOW PROCESS FROM NODE   6350.00 TO NODE   6351.00 IS CODE =  51
----------------------------------------------------------------------------
```

```
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
==========================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    445.00  DOWNSTREAM(FEET) =    385.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =  1346.00   CHANNEL SLOPE =  0.0446
 CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
 MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
 CHANNEL FLOW THRU SUBAREA(CFS) =    373.79
 FLOW VELOCITY(FEET/SEC.) =  12.52   FLOW DEPTH(FEET) =   3.82
 TRAVEL TIME(MIN.) =   1.79   Tc(MIN.) =  19.20
 LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6351.00 =  6023.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE   6350.00 TO NODE   6351.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==========================================================================
 MAINLINE Tc(MIN) =  19.20
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.870
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "OPEN BRUSH"               B        0.40      0.30      1.00    66
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"          B        4.10      0.30      1.00    69
 NATURAL FAIR COVER
 "WOODLAND"                 B        4.70      0.30      1.00    60
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"      C        5.80      0.25      1.00    75
 NATURAL FAIR COVER
 "OPEN BRUSH"               C       15.90      0.25      1.00    77
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"          C       17.60      0.25      1.00    79
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   48.50      SUBAREA RUNOFF(CFS) =  113.95
 EFFECTIVE AREA(ACRES) =    198.10   AREA-AVERAGED Fm(INCH/HR) =  0.25
 AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
 TOTAL AREA(ACRES) =    198.10       PEAK FLOW RATE(CFS) =     466.24

****************************************************************************
 FLOW PROCESS FROM NODE   6350.00 TO NODE   6351.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==========================================================================
 MAINLINE Tc(MIN) =  19.20
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.870
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "WOODLAND"                 C       14.20      0.25      1.00    73
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"      D        4.70      0.20      1.00    81
 NATURAL FAIR COVER
 "OPEN BRUSH"               D       10.90      0.20      1.00    83
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"          D        0.90      0.20      1.00    84
 NATURAL FAIR COVER
 "WOODLAND"                 D        1.10      0.20      1.00    79
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   31.80      SUBAREA RUNOFF(CFS) =   75.78
 EFFECTIVE AREA(ACRES) =    229.90   AREA-AVERAGED Fm(INCH/HR) =  0.25
 AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
 TOTAL AREA(ACRES) =    229.90       PEAK FLOW RATE(CFS) =     542.02

****************************************************************************
 FLOW PROCESS FROM NODE   6351.00 TO NODE   6352.00 IS CODE =  51
----------------------------------------------------------------------------
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
==========================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    385.00  DOWNSTREAM(FEET) =    340.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =  1879.00   CHANNEL SLOPE =  0.0239
 CHANNEL BASE(FEET) =    5.00   "Z" FACTOR =   1.000
 MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   5.00
 CHANNEL FLOW THRU SUBAREA(CFS) =    542.02
 FLOW VELOCITY(FEET/SEC.) =  10.89   FLOW DEPTH(FEET) =   4.98
 TRAVEL TIME(MIN.) =   2.88   Tc(MIN.) =  22.08
 LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6352.00 =  7902.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE   6351.00 TO NODE   6352.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==========================================================================
 MAINLINE Tc(MIN) =  22.08
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.642
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL POOR COVER
 "BARREN"                   A        3.20      0.40      1.00    78
 NATURAL GOOD COVER
 "MEADOWS"                  A        0.40      0.40      1.00    30
 AGRICULTURAL POOR COVER
 "FALLOW"                   B        5.30      0.30      1.00    86
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"      B        0.20      0.30      1.00    63
 NATURAL POOR COVER
 "BARREN"                   B       14.90      0.30      1.00    86
 NATURAL FAIR COVER
 "OPEN BRUSH"               B        1.10      0.30      1.00    66
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.31
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   25.10      SUBAREA RUNOFF(CFS) =   52.58
 EFFECTIVE AREA(ACRES) =    255.00   AREA-AVERAGED Fm(INCH/HR) =  0.26
 AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  1.00
 TOTAL AREA(ACRES) =    255.00       PEAK FLOW RATE(CFS) =     547.40

****************************************************************************
 FLOW PROCESS FROM NODE   6351.00 TO NODE   6352.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==========================================================================
 MAINLINE Tc(MIN) =  22.08
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.642
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"          B        1.50      0.30      1.00    69
 AGRICULTURAL POOR COVER
 "FALLOW"                   C        2.50      0.25      1.00    91
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"      C        2.00      0.25      1.00    75
 NATURAL POOR COVER
 "BARREN"                   C        1.60      0.25      1.00    91
 NATURAL FAIR COVER
 "OPEN BRUSH"               C        8.80      0.25      1.00    77
 NATURAL GOOD COVER
 "MEADOWS"                  C        0.40      0.25      1.00    71
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   16.80      SUBAREA RUNOFF(CFS) =   36.10
 EFFECTIVE AREA(ACRES) =    271.80   AREA-AVERAGED Fm(INCH/HR) =  0.26
 AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  1.00
 TOTAL AREA(ACRES) =    271.80       PEAK FLOW RATE(CFS) =     583.50

****************************************************************************
 FLOW PROCESS FROM NODE   6351.00 TO NODE   6352.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
==========================================================================
 MAINLINE Tc(MIN) =  22.08
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.642
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"          C        2.60      0.25      1.00    79
 AGRICULTURAL POOR COVER
 "FALLOW"                   D       17.30      0.20      1.00    94
 NATURAL FAIR COVER
```

```
  "CHAPARRAL,BROADLEAF"      D        3.10      0.20      1.00    81
  NATURAL POOR COVER
  "BARREN"                   D        0.10      0.20      1.00    93
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        1.90      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.21
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   25.00      SUBAREA RUNOFF(CFS) =   54.83
  EFFECTIVE AREA(ACRES) =    296.80   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    296.80       PEAK FLOW RATE(CFS) =     638.32

****************************************************************************
  FLOW PROCESS FROM NODE   6352.00 TO NODE   6353.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    340.00  DOWNSTREAM(FEET) =    335.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   728.00   CHANNEL SLOPE =  0.0069
  CHANNEL BASE(FEET) =    7.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   7.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    638.32
  FLOW VELOCITY(FEET/SEC.) =   7.10   FLOW DEPTH(FEET) =   6.61
  TRAVEL TIME(MIN.) =   1.71   Tc(MIN.) =  23.79
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6353.00 =  8630.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6352.00 TO NODE   6353.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  23.79
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.533
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   A        0.60      0.40      1.00    78
  AGRICULTURAL POOR COVER
  "FALLOW"                   B        1.80      0.30      1.00    86
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      B        0.40      0.30      1.00    63
  NATURAL POOR COVER
  "BARREN"                   B        6.30      0.30      1.00    86
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.90      0.30      1.00    60
  AGRICULTURAL POOR COVER
  "FALLOW"                   C        6.90      0.25      1.00    91
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   16.90      SUBAREA RUNOFF(CFS) =   34.21
  EFFECTIVE AREA(ACRES) =    313.70   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    313.70       PEAK FLOW RATE(CFS) =     643.34

****************************************************************************
  FLOW PROCESS FROM NODE   6352.00 TO NODE   6353.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  23.79
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.533
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        3.10      0.25      1.00    75
  NATURAL POOR COVER
  "BARREN"                   C        5.40      0.25      1.00    91
  NATURAL FAIR COVER
  "GRASS"                    C        0.90      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        6.00      0.25      1.00    77
  NATURAL GOOD COVER
  "MEADOWS"                  C        3.60      0.25      1.00    71
  NATURAL FAIR COVER
  "WOODLAND"                 C        4.00      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   23.00      SUBAREA RUNOFF(CFS) =   47.25
  EFFECTIVE AREA(ACRES) =    336.70   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    336.70       PEAK FLOW RATE(CFS) =     690.59

****************************************************************************
  FLOW PROCESS FROM NODE   6352.00 TO NODE   6353.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  23.79
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.533
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                   D        9.70      0.20      1.00    94
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      D        0.40      0.20      1.00    81
  NATURAL POOR COVER
  "BARREN"                   D        0.60      0.20      1.00    93
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        5.20      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   15.90      SUBAREA RUNOFF(CFS) =   33.38
  EFFECTIVE AREA(ACRES) =    352.60   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    352.60       PEAK FLOW RATE(CFS) =     723.97

****************************************************************************
  FLOW PROCESS FROM NODE   6353.00 TO NODE   6354.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    335.00  DOWNSTREAM(FEET) =    314.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   857.00   CHANNEL SLOPE =  0.0245
  CHANNEL BASE(FEET) =    7.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   7.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    723.97
  FLOW VELOCITY(FEET/SEC.) =  11.76   FLOW DEPTH(FEET) =   5.09
  TRAVEL TIME(MIN.) =   1.21   Tc(MIN.) =  25.01
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6354.00 =  9487.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6353.00 TO NODE   6354.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  25.01
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.460
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                   B        2.90      0.30      1.00    86
  NATURAL POOR COVER
  "BARREN"                   B       11.00      0.30      1.00    86
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        3.40      0.30      1.00    66
  NATURAL FAIR COVER
  "WOODLAND"                 B        3.60      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C       14.00      0.25      1.00    75
  AGRICULTURAL POOR COVER
  "FALLOW"                   C       13.90      0.25      1.00    91
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.27
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   48.80      SUBAREA RUNOFF(CFS) =   96.11
  EFFECTIVE AREA(ACRES) =    401.40   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    401.40       PEAK FLOW RATE(CFS) =     796.96

****************************************************************************
  FLOW PROCESS FROM NODE   6353.00 TO NODE   6354.00 IS CODE =  81
----------------------------------------------------------------------------
```

```
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN) =  25.01
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.460
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   C        3.60      0.25      1.00    91
  NATURAL FAIR COVER
  "GRASS"                    C        1.80      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C       41.00      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,NARROWLEAF"     C        1.90      0.25      1.00    81
  NATURAL FAIR COVER
  "WOODLAND"                 C        1.40      0.25      1.00    73
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      D       39.80      0.20      1.00    81
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   89.50      SUBAREA RUNOFF(CFS) =  179.79
  EFFECTIVE AREA(ACRES) =    490.90   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    490.90       PEAK FLOW RATE(CFS) =     976.75

********************************************************************************
  FLOW PROCESS FROM NODE   6353.00 TO NODE   6354.00 IS CODE =  81
--------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN) =  25.01
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.460
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                   D        9.80      0.20      1.00    94
  NATURAL POOR COVER
  "BARREN"                   D        1.10      0.20      1.00    93
  NATURAL FAIR COVER
  "OPEN BRUSH"               D       48.00      0.20      1.00    83
  NATURAL FAIR COVER
  "CHAPARRAL,NARROWLEAF"     D        6.70      0.20      1.00    86
  NATURAL FAIR COVER
  "WOODLAND"                 D        4.00      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   69.60      SUBAREA RUNOFF(CFS) =  141.55
  EFFECTIVE AREA(ACRES) =    560.50   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    560.50       PEAK FLOW RATE(CFS) =    1118.30

********************************************************************************
  FLOW PROCESS FROM NODE   6354.00 TO NODE   6354.00 IS CODE =   1
--------------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
================================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =  25.01
  RAINFALL INTENSITY(INCH/HR) =   2.46
  AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24
  AREA-AVERAGED Ap =  1.00
  EFFECTIVE STREAM AREA(ACRES) =   560.50
  TOTAL STREAM AREA(ACRES) =   560.50
  PEAK FLOW RATE(CFS) AT CONFLUENCE =   1118.30

  ** CONFLUENCE DATA **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)        (ACRES)    NODE
      1   6657.80  28.09    2.304  0.28( 0.21) 0.72  3127.6    6300.00
      1   6764.24  29.24    2.253  0.28( 0.21) 0.72  3288.7    6320.00
      1   8127.50  47.43    1.709  0.29( 0.20) 0.69  5623.4     780.00
      2   1118.30  25.01    2.460  0.24( 0.24) 1.00   560.5    6340.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)        (ACRES)    NODE
      1   7484.45  25.01    2.460  0.28( 0.21) 0.77  3344.3    6340.00
      2   7697.49  28.09    2.304  0.28( 0.21) 0.77  3688.1    6300.00
      3   7778.42  29.24    2.253  0.28( 0.21) 0.76  3849.2    6320.00
      4   8867.20  47.43    1.709  0.28( 0.20) 0.71  6183.9     780.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =   8867.20    Tc(MIN.) =    47.43
  EFFECTIVE AREA(ACRES) =  6183.90   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.71
  TOTAL AREA(ACRES) =   6183.90
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6354.00 = 13618.00 FEET.

********************************************************************************
  FLOW PROCESS FROM NODE   6354.00 TO NODE   6355.00 IS CODE =  51
--------------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    314.00  DOWNSTREAM(FEET) =    280.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1554.00   CHANNEL SLOPE =  0.0219
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8867.20
  FLOW VELOCITY(FEET/SEC.) =  20.49   FLOW DEPTH(FEET) =  10.65
  TRAVEL TIME(MIN.) =   1.26   Tc(MIN.) =  48.69
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6355.00 = 15172.00 FEET.

********************************************************************************
  FLOW PROCESS FROM NODE   6354.00 TO NODE   6355.00 IS CODE =  81
--------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN) =  48.69
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.680
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                   B        0.40      0.30      1.00    86
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      B        0.20      0.30      1.00    63
  NATURAL POOR COVER
  "BARREN"                   B       14.80      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                    B        3.10      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        0.20      0.30      1.00    66
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.90      0.30      1.00    60
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.30
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   19.60      SUBAREA RUNOFF(CFS) =   24.35
  EFFECTIVE AREA(ACRES) =   6203.50   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.72
  TOTAL AREA(ACRES) =   6203.50       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

********************************************************************************
  FLOW PROCESS FROM NODE   6354.00 TO NODE   6355.00 IS CODE =  81
--------------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN) =  48.69
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.680
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                   C        3.70      0.25      1.00    91
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        4.30      0.25      1.00    75
  NATURAL POOR COVER
  "BARREN"                   C        7.50      0.25      1.00    91
  NATURAL FAIR COVER
```

```
  "GRASS"                    C        6.60      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        4.60      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                 C        5.30      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   32.00      SUBAREA RUNOFF(CFS) =   41.19
  EFFECTIVE AREA(ACRES) =   6235.50   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.72
  TOTAL AREA(ACRES) =   6235.50       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6356.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    280.00  DOWNSTREAM(FEET) =    270.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   921.00   CHANNEL SLOPE =  0.0109
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8867.20
  FLOW VELOCITY(FEET/SEC.) =  15.93   FLOW DEPTH(FEET) =  12.96
  TRAVEL TIME(MIN.) =   0.96   Tc(MIN.) =  49.65
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6356.00 = 16093.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6356.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  49.65
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.658
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   B       23.80      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                    B        0.90      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        2.10      0.30      1.00    66
  NATURAL FAIR COVER
  "WOODLAND"                 B        2.40      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C       10.70      0.25      1.00    75
  AGRICULTURAL POOR COVER
  "FALLOW"                   C        4.60      0.25      1.00    91
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   44.50      SUBAREA RUNOFF(CFS) =   55.08
  EFFECTIVE AREA(ACRES) =   6280.00   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.72
  TOTAL AREA(ACRES) =   6280.00       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6356.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  49.65
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.658
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   C        7.00      0.25      1.00    91
  NATURAL FAIR COVER
  "GRASS"                    C        5.20      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C       20.70      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                 C        8.50      0.25      1.00    73
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      D       12.50      0.20      1.00    81
  AGRICULTURAL POOR COVER
  "FALLOW"                   D        0.40      0.20      1.00    94
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   54.30      SUBAREA RUNOFF(CFS) =   69.39
  EFFECTIVE AREA(ACRES) =   6334.30   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.72
  TOTAL AREA(ACRES) =   6334.30       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6356.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  49.65
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.658
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"               D       14.10      0.20      1.00    83
  NATURAL FAIR COVER
  "WOODLAND"                 D        4.00      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   18.10      SUBAREA RUNOFF(CFS) =   23.75
  EFFECTIVE AREA(ACRES) =   6352.40   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.72
  TOTAL AREA(ACRES) =   6352.40       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6356.00 TO NODE   6357.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    270.00  DOWNSTREAM(FEET) =    255.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1018.00   CHANNEL SLOPE =  0.0147
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8867.20
  FLOW VELOCITY(FEET/SEC.) =  17.79   FLOW DEPTH(FEET) =  11.90
  TRAVEL TIME(MIN.) =   0.95   Tc(MIN.) =  50.61
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6357.00 = 17111.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6356.00 TO NODE   6357.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  50.61
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.640
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      B        0.20      0.30      1.00    63
  NATURAL POOR COVER
  "BARREN"                   B       12.60      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                    B        2.90      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        1.70      0.30      1.00    66
  NATURAL FAIR COVER
  "WOODLAND"                 B        1.10      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        9.00      0.25      1.00    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   27.50      SUBAREA RUNOFF(CFS) =   33.58
  EFFECTIVE AREA(ACRES) =   6379.90   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.72
  TOTAL AREA(ACRES) =   6379.90       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6356.00 TO NODE   6357.00 IS CODE =  81
```

```
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
  MAINLINE Tc(MIN) =  50.61
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.640
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    C        8.40      0.25      1.00    91
  NATURAL FAIR COVER
  "GRASS"                     C        4.00      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C       19.20      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        6.20      0.25      1.00    73
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        6.00      0.20      1.00    81
  NATURAL POOR COVER
  "BARREN"                    D        1.10      0.20      1.00    93
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   44.90      SUBAREA RUNOFF(CFS) =   56.50
  EFFECTIVE AREA(ACRES) =   6424.80   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.73
  TOTAL AREA(ACRES) =   6424.80       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

************************************************************************
  FLOW PROCESS FROM NODE   6356.00 TO NODE   6357.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
  MAINLINE Tc(MIN) =  50.61
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.640
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                D       11.00      0.20      1.00    83
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.70      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   11.70      SUBAREA RUNOFF(CFS) =   15.17
  EFFECTIVE AREA(ACRES) =   6436.50   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.73
  TOTAL AREA(ACRES) =   6436.50       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

************************************************************************
  FLOW PROCESS FROM NODE   6357.00 TO NODE   6358.00 IS CODE =  51
------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    255.00  DOWNSTREAM(FEET) =    245.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   916.00   CHANNEL SLOPE =  0.0109
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8867.20
  FLOW VELOCITY(FEET/SEC.) =  15.97   FLOW DEPTH(FEET) =  12.93
  TRAVEL TIME(MIN.) =   0.96   Tc(MIN.) =  51.56
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6358.00 = 18027.00 FEET.

************************************************************************
  FLOW PROCESS FROM NODE   6357.00 TO NODE   6358.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
  MAINLINE Tc(MIN) =  51.56
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.625
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    B        7.10      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                     B        2.00      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        1.30      0.30      1.00    66
  NATURAL FAIR COVER
  "WOODLAND"                  B        0.30      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        2.90      0.25      1.00    75
  NATURAL POOR COVER
  "BARREN"                    C        5.30      0.25      1.00    91
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   18.90      SUBAREA RUNOFF(CFS) =   22.91
  EFFECTIVE AREA(ACRES) =   6455.40   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.73
  TOTAL AREA(ACRES) =   6455.40       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

************************************************************************
  FLOW PROCESS FROM NODE   6357.00 TO NODE   6358.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
  MAINLINE Tc(MIN) =  51.56
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.625
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     C        7.30      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C       29.60      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        7.10      0.25      1.00    73
  NATURAL POOR COVER
  "BARREN"                    D        0.90      0.20      1.00    93
  NATURAL FAIR COVER
  "GRASS"                     D        4.10      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        1.10      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   50.10      SUBAREA RUNOFF(CFS) =   62.27
  EFFECTIVE AREA(ACRES) =   6505.50   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.73
  TOTAL AREA(ACRES) =   6505.50       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

************************************************************************
  FLOW PROCESS FROM NODE   6357.00 TO NODE   6358.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
  MAINLINE Tc(MIN) =  51.56
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.625
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.40      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    0.40      SUBAREA RUNOFF(CFS) =    0.51
  EFFECTIVE AREA(ACRES) =   6505.90   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.73
  TOTAL AREA(ACRES) =   6505.90       PEAK FLOW RATE(CFS) =    8867.20
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

************************************************************************
  FLOW PROCESS FROM NODE   6358.00 TO NODE   6359.00 IS CODE =  51
------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    245.00  DOWNSTREAM(FEET) =    220.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1510.00   CHANNEL SLOPE =  0.0166
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8867.20
  FLOW VELOCITY(FEET/SEC.) =  18.54   FLOW DEPTH(FEET) =  11.52
  TRAVEL TIME(MIN.) =   1.36   Tc(MIN.) =  52.92
```

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 LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6359.00 = 19537.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE   6358.00 TO NODE   6359.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  52.92
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.603
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL POOR COVER
 "BARREN"                    B       13.70      0.30      1.00    86
 NATURAL FAIR COVER
 "GRASS"                     B       13.70      0.30      1.00    69
 AGRICULTURAL FAIR COVER
 "ORCHARDS"                  B       17.70      0.30      1.00    65
 NATURAL FAIR COVER
 "OPEN BRUSH"                B        4.20      0.30      1.00    66
 NATURAL FAIR COVER
 "WOODLAND"                  B        6.70      0.30      1.00    60
 NATURAL POOR COVER
 "BARREN"                    C        5.30      0.25      1.00    91
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.30
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   61.30      SUBAREA RUNOFF(CFS) =   72.14
 EFFECTIVE AREA(ACRES) =   6567.20   AREA-AVERAGED Fm(INCH/HR) =  0.21
 AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.73
 TOTAL AREA(ACRES) =   6567.20       PEAK FLOW RATE(CFS) =    8867.20
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE   6358.00 TO NODE   6359.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  52.92
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.603
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "GRASS"                     C       10.50      0.25      1.00    79
 AGRICULTURAL FAIR COVER
 "ORCHARDS"                  C        2.20      0.25      1.00    77
 URBAN FAIR COVER
 "TURF"                      C        1.30      0.25      1.00    77
 NATURAL FAIR COVER
 "OPEN BRUSH"                C       11.30      0.25      1.00    77
 NATURAL FAIR COVER
 "WOODLAND"                  C        6.00      0.25      1.00    73
 NATURAL FAIR COVER
 "GRASS"                     D       14.40      0.20      1.00    84
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   45.70      SUBAREA RUNOFF(CFS) =   56.31
 EFFECTIVE AREA(ACRES) =   6612.90   AREA-AVERAGED Fm(INCH/HR) =  0.21
 AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.73
 TOTAL AREA(ACRES) =   6612.90       PEAK FLOW RATE(CFS) =    8867.20
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE   6358.00 TO NODE   6359.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  52.92
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.603
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 AGRICULTURAL FAIR COVER
 "ORCHARDS"                  D       23.50      0.20      1.00    82
 NATURAL FAIR COVER
 "OPEN BRUSH"                D        0.40      0.20      1.00    83
 NATURAL FAIR COVER
 "WOODLAND"                  D        1.10      0.20      1.00    79
 NATURAL POOR COVER
 "BARREN"                    D        0.90      0.20      1.00    93
 URBAN FAIR COVER
 "TURF"                      D        0.20      0.20      1.00    82
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   26.10      SUBAREA RUNOFF(CFS) =   32.96
 EFFECTIVE AREA(ACRES) =   6639.00   AREA-AVERAGED Fm(INCH/HR) =  0.21
 AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.73
 TOTAL AREA(ACRES) =   6639.00       PEAK FLOW RATE(CFS) =    8867.20
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE   6359.00 TO NODE   6374.00 IS CODE =  51
----------------------------------------------------------------------------
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    220.00  DOWNSTREAM(FEET) =    213.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =   959.00   CHANNEL SLOPE =  0.0073
 CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
 MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
 CHANNEL FLOW THRU SUBAREA(CFS) =   8867.20
 FLOW VELOCITY(FEET/SEC.) =  13.80   FLOW DEPTH(FEET) =  14.45
 TRAVEL TIME(MIN.) =   1.16   Tc(MIN.) =  54.08
 LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6374.00 = 20496.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE   6359.00 TO NODE   6374.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  54.08
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.585
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "GRASS"                     A        0.20      0.40      1.00    50
 NATURAL FAIR COVER
 "WOODLAND"                  A        0.20      0.40      1.00    36
 NATURAL FAIR COVER
 "GRASS"                     B        0.10      0.30      1.00    69
 NATURAL FAIR COVER
 "WOODLAND"                  B        0.50      0.30      1.00    60
 NATURAL FAIR COVER
 "OPEN BRUSH"                C        1.00      0.25      1.00    77
 NATURAL FAIR COVER
 "WOODLAND"                  C        0.30      0.25      1.00    73
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.29
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =    2.30      SUBAREA RUNOFF(CFS) =    2.68
 EFFECTIVE AREA(ACRES) =   6641.30   AREA-AVERAGED Fm(INCH/HR) =  0.21
 AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.73
 TOTAL AREA(ACRES) =   6641.30       PEAK FLOW RATE(CFS) =    8867.20
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE   6359.00 TO NODE   6374.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  54.08
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.585
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "GRASS"                     D        0.50      0.20      1.00    84
 NATURAL FAIR COVER
 "WOODLAND"                  D        3.40      0.20      1.00    79
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =    3.90      SUBAREA RUNOFF(CFS) =    4.86
 EFFECTIVE AREA(ACRES) =   6645.20   AREA-AVERAGED Fm(INCH/HR) =  0.21
 AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.73
 TOTAL AREA(ACRES) =   6645.20       PEAK FLOW RATE(CFS) =    8867.20
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE
```

```
****************************************************************************
  FLOW PROCESS FROM NODE   6374.00 TO NODE   6374.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  54.08
  RAINFALL INTENSITY(INCH/HR) =   1.58
  AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.28
  AREA-AVERAGED Ap =  0.73
  EFFECTIVE STREAM AREA(ACRES) =  6645.20
  TOTAL STREAM AREA(ACRES) =  6645.20
  PEAK FLOW RATE(CFS) AT CONFLUENCE =   8867.20

****************************************************************************
  FLOW PROCESS FROM NODE   6360.00 TO NODE   6361.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   329.00
  ELEVATION DATA: UPSTREAM(FEET) =    661.00  DOWNSTREAM(FEET) =    565.00

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    9.176
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.404
  SUBAREA Tc AND LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.40      0.20      1.00    83    9.18
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        0.70      0.20      1.00    84    9.18
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA RUNOFF(CFS) =      4.16
  TOTAL AREA(ACRES) =      1.10   PEAK FLOW RATE(CFS) =      4.16

****************************************************************************
  FLOW PROCESS FROM NODE   6361.00 TO NODE   6362.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    565.00  DOWNSTREAM(FEET) =    550.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =    95.00   CHANNEL SLOPE =  0.1579
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      4.16
  FLOW VELOCITY(FEET/SEC.) =   6.43   FLOW DEPTH(FEET) =   0.45
  TRAVEL TIME(MIN.) =   0.25   Tc(MIN.) =   9.42
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6362.00 =   424.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6361.00 TO NODE   6362.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   9.42
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.331
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.60      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        0.50      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    1.10      SUBAREA RUNOFF(CFS) =    4.09
  EFFECTIVE AREA(ACRES) =      2.20   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      2.20       PEAK FLOW RATE(CFS) =       8.18

****************************************************************************
  FLOW PROCESS FROM NODE   6362.00 TO NODE   6363.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    550.00  DOWNSTREAM(FEET) =    510.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   175.00   CHANNEL SLOPE =  0.2286
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      8.18
  FLOW VELOCITY(FEET/SEC.) =   8.83   FLOW DEPTH(FEET) =   0.58
  TRAVEL TIME(MIN.) =   0.33   Tc(MIN.) =   9.75
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6363.00 =   599.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6362.00 TO NODE   6363.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   9.75
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.233
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        1.30      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        0.50      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    1.80      SUBAREA RUNOFF(CFS) =    6.53
  EFFECTIVE AREA(ACRES) =      4.00   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      4.00       PEAK FLOW RATE(CFS) =      14.52

****************************************************************************
  FLOW PROCESS FROM NODE   6363.00 TO NODE   6364.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    510.00  DOWNSTREAM(FEET) =    475.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   331.00   CHANNEL SLOPE =  0.1057
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     14.52
  FLOW VELOCITY(FEET/SEC.) =   7.67   FLOW DEPTH(FEET) =   0.96
  TRAVEL TIME(MIN.) =   0.72   Tc(MIN.) =  10.47
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6364.00 =   930.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6363.00 TO NODE   6364.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.47
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.066
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.10      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        0.50      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    2.60      SUBAREA RUNOFF(CFS) =    9.05
  EFFECTIVE AREA(ACRES) =      6.60   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      6.60       PEAK FLOW RATE(CFS) =      22.96

****************************************************************************
  FLOW PROCESS FROM NODE   6364.00 TO NODE   6365.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    475.00  DOWNSTREAM(FEET) =    465.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   139.00   CHANNEL SLOPE =  0.0719
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
```

```
  CHANNEL FLOW THRU SUBAREA(CFS) =     22.96
  FLOW VELOCITY(FEET/SEC.) =   7.38   FLOW DEPTH(FEET) =   1.03
  TRAVEL TIME(MIN.) =   0.31   Tc(MIN.) =  10.79
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6365.00 =  1069.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6364.00 TO NODE   6365.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.79
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.003
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        1.10      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.80      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        2.30      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    6.20      SUBAREA RUNOFF(CFS) =   21.22
  EFFECTIVE AREA(ACRES) =     12.80   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     12.80       PEAK FLOW RATE(CFS) =      43.81

****************************************************************************
  FLOW PROCESS FROM NODE   6365.00 TO NODE   6366.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    465.00  DOWNSTREAM(FEET) =    445.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   521.00   CHANNEL SLOPE =  0.0384
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     43.81
  FLOW VELOCITY(FEET/SEC.) =   6.93   FLOW DEPTH(FEET) =   1.71
  TRAVEL TIME(MIN.) =   1.25   Tc(MIN.) =  12.04
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6366.00 =  1590.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6365.00 TO NODE   6366.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  12.04
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.752
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.90      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.20      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        7.20      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   10.30      SUBAREA RUNOFF(CFS) =   32.93
  EFFECTIVE AREA(ACRES) =     23.10   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     23.10       PEAK FLOW RATE(CFS) =      73.85

****************************************************************************
  FLOW PROCESS FROM NODE   6366.00 TO NODE   6367.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    445.00  DOWNSTREAM(FEET) =    405.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1024.00   CHANNEL SLOPE =  0.0391
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     73.85
  FLOW VELOCITY(FEET/SEC.) =   7.91   FLOW DEPTH(FEET) =   1.90
  TRAVEL TIME(MIN.) =   2.16   Tc(MIN.) =  14.20
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6367.00 =  2614.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6366.00 TO NODE   6367.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  14.20
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.415
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.10      0.25      1.00    77
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        4.90      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D       13.40      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   18.40      SUBAREA RUNOFF(CFS) =   53.24
  EFFECTIVE AREA(ACRES) =     41.50   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     41.50       PEAK FLOW RATE(CFS) =     120.09

****************************************************************************
  FLOW PROCESS FROM NODE   6367.00 TO NODE   6368.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    405.00  DOWNSTREAM(FEET) =    355.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1441.00   CHANNEL SLOPE =  0.0347
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    120.09
  FLOW VELOCITY(FEET/SEC.) =   8.58   FLOW DEPTH(FEET) =   2.53
  TRAVEL TIME(MIN.) =   2.80   Tc(MIN.) =  17.00
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6368.00 =  4055.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6367.00 TO NODE   6368.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  17.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.076
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.20      0.25      1.00    77
  NATURAL FAIR COVER
  "GRASS"                     D        1.60      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D       12.60      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D       19.20      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   33.60      SUBAREA RUNOFF(CFS) =   86.97
  EFFECTIVE AREA(ACRES) =     75.10   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     75.10       PEAK FLOW RATE(CFS) =     194.40

****************************************************************************
  FLOW PROCESS FROM NODE   6368.00 TO NODE   6369.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    355.00  DOWNSTREAM(FEET) =    335.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   975.00   CHANNEL SLOPE =  0.0205
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    194.40
  FLOW VELOCITY(FEET/SEC.) =   7.94   FLOW DEPTH(FEET) =   3.34
  TRAVEL TIME(MIN.) =   2.05   Tc(MIN.) =  19.04
```

```
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6369.00 =  5030.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6368.00 TO NODE   6369.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  19.04
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.884
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.20      0.25      1.00    77
  NATURAL FAIR COVER
  "GRASS"                     D        2.50      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D       23.50      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D       25.20      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.10      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   51.50      SUBAREA RUNOFF(CFS) =  124.41
  EFFECTIVE AREA(ACRES) =    126.60   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    126.60       PEAK FLOW RATE(CFS) =     305.82

****************************************************************************
  FLOW PROCESS FROM NODE   6369.00 TO NODE   6370.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    335.00  DOWNSTREAM(FEET) =    325.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   505.00   CHANNEL SLOPE =  0.0198
  CHANNEL BASE(FEET) =    5.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   5.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    305.82
  FLOW VELOCITY(FEET/SEC.) =   8.76   FLOW DEPTH(FEET) =   3.92
  TRAVEL TIME(MIN.) =   0.96   Tc(MIN.) =  20.00
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6370.00 =  5535.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6369.00 TO NODE   6370.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  20.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.800
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     B        0.20      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.40      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        0.20      0.30      1.00    69
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        1.10      0.25      1.00    75
  NATURAL FAIR COVER
  "GRASS"                     C        0.20      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.00      0.25      1.00    77
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    3.10      SUBAREA RUNOFF(CFS) =    7.08
  EFFECTIVE AREA(ACRES) =    129.70   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    129.70       PEAK FLOW RATE(CFS) =     305.82
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6369.00 TO NODE   6370.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  20.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.800
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.90      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D       20.10      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        9.80      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.50      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   31.30      SUBAREA RUNOFF(CFS) =   73.23
  EFFECTIVE AREA(ACRES) =    161.00   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    161.00       PEAK FLOW RATE(CFS) =     376.50

****************************************************************************
  FLOW PROCESS FROM NODE   6370.00 TO NODE   6371.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    325.00  DOWNSTREAM(FEET) =    305.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1293.00   CHANNEL SLOPE =  0.0155
  CHANNEL BASE(FEET) =    5.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   5.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    376.50
  FLOW VELOCITY(FEET/SEC.) =   8.43   FLOW DEPTH(FEET) =   4.63
  TRAVEL TIME(MIN.) =   2.56   Tc(MIN.) =  22.56
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6371.00 =  6828.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6370.00 TO NODE   6371.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  22.56
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.606
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     B        0.90      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        2.20      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        0.20      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        2.00      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        1.20      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        7.90      0.25      1.00    77
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.27
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   14.40      SUBAREA RUNOFF(CFS) =   30.30
  EFFECTIVE AREA(ACRES) =    175.40   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    175.40       PEAK FLOW RATE(CFS) =     378.80

****************************************************************************
  FLOW PROCESS FROM NODE   6370.00 TO NODE   6371.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  22.56
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.606
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        2.40      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                  C        0.30      0.25      1.00    73
  NATURAL FAIR COVER
```

```
  "CHAPARRAL,BROADLEAF"      D        0.90      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        2.70      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          D        9.80      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.21
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   16.10      SUBAREA RUNOFF(CFS) =   34.75
  EFFECTIVE AREA(ACRES) =    191.50   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    191.50       PEAK FLOW RATE(CFS) =     413.55

****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6372.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    305.00  DOWNSTREAM(FEET) =    265.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1459.00   CHANNEL SLOPE =  0.0274
  CHANNEL BASE(FEET) =    5.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   5.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    413.55
  FLOW VELOCITY(FEET/SEC.) =  10.70   FLOW DEPTH(FEET) =   4.20
  TRAVEL TIME(MIN.) =   2.27   Tc(MIN.) =  24.83
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6372.00 =  8287.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6372.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  24.83
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.470
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    B        3.60      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        2.30      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          B        1.50      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                 B        3.60      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        0.20      0.25      1.00    75
  NATURAL FAIR COVER
  "GRASS"                    C        0.40      0.25      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.30
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   11.60      SUBAREA RUNOFF(CFS) =   22.68
  EFFECTIVE AREA(ACRES) =    203.10   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    203.10       PEAK FLOW RATE(CFS) =     413.55
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6372.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  24.83
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.470
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"               C       29.50      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          C        6.50      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                 C       13.30      0.25      1.00    73
  NATURAL FAIR COVER
  "GRASS"                    D        2.20      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        2.00      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          D       19.00      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   72.50      SUBAREA RUNOFF(CFS) =  145.90
  EFFECTIVE AREA(ACRES) =    275.60   AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    275.60       PEAK FLOW RATE(CFS) =     558.63

****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6372.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  24.83
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.470
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "WOODLAND"                 D        0.40      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    0.40      SUBAREA RUNOFF(CFS) =    0.82
  EFFECTIVE AREA(ACRES) =    276.00   AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    276.00       PEAK FLOW RATE(CFS) =     559.45

****************************************************************************
  FLOW PROCESS FROM NODE   6372.00 TO NODE   6373.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    265.00  DOWNSTREAM(FEET) =    238.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1612.00   CHANNEL SLOPE =  0.0167
  CHANNEL BASE(FEET) =    6.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   6.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    559.45
  FLOW VELOCITY(FEET/SEC.) =   9.58   FLOW DEPTH(FEET) =   5.21
  TRAVEL TIME(MIN.) =   2.80   Tc(MIN.) =  27.64
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6373.00 =  9899.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6372.00 TO NODE   6373.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  27.64
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.324
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    B        2.00      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        1.10      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          B        1.80      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                 B        1.70      0.30      1.00    60
  NATURAL FAIR COVER
  "GRASS"                    C        3.70      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        5.70      0.25      1.00    77
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.27
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   16.00      SUBAREA RUNOFF(CFS) =   29.57
  EFFECTIVE AREA(ACRES) =    292.00   AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    292.00       PEAK FLOW RATE(CFS) =     559.45
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6372.00 TO NODE   6373.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  27.64
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.324
```

```
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          C        4.00      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                 C        2.30      0.25      1.00    73
  NATURAL FAIR COVER
  "GRASS"                    D        4.50      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        0.40      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          D        3.70      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   14.90      SUBAREA RUNOFF(CFS) =   28.20
  EFFECTIVE AREA(ACRES) =    306.90   AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    306.90       PEAK FLOW RATE(CFS) =     580.94

****************************************************************************
  FLOW PROCESS FROM NODE   6373.00 TO NODE   6374.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    238.00  DOWNSTREAM(FEET) =    213.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1150.00   CHANNEL SLOPE =  0.0217
  CHANNEL BASE(FEET) =    6.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   6.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    580.94
  FLOW VELOCITY(FEET/SEC.) =  10.66   FLOW DEPTH(FEET) =   4.97
  TRAVEL TIME(MIN.) =   1.80   Tc(MIN.) =  29.43
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6374.00 = 11049.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6373.00 TO NODE   6374.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  29.43
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.245
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    B        1.70      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                 B        2.20      0.30      1.00    60
  NATURAL FAIR COVER
  "GRASS"                    C        0.30      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        1.60      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          C        0.60      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                 C        1.80      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.27
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    8.20      SUBAREA RUNOFF(CFS) =   14.55
  EFFECTIVE AREA(ACRES) =    315.10   AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    315.10       PEAK FLOW RATE(CFS) =     580.94
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6373.00 TO NODE   6374.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  29.43
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.245
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    D        0.10      0.20      1.00    84
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          D        1.30      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                 D        1.50      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    2.90      SUBAREA RUNOFF(CFS) =    5.34
  EFFECTIVE AREA(ACRES) =    318.00   AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    318.00       PEAK FLOW RATE(CFS) =     580.94
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6374.00 TO NODE   6374.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =  29.43
  RAINFALL INTENSITY(INCH/HR) =   2.24
  AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22
  AREA-AVERAGED Ap =  1.00
  EFFECTIVE STREAM AREA(ACRES) =   318.00
  TOTAL STREAM AREA(ACRES) =   318.00
  PEAK FLOW RATE(CFS) AT CONFLUENCE =    580.94

  ** CONFLUENCE DATA **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
      1   7484.45  31.98    2.145  0.27( 0.22) 0.80  3805.6    6340.00
      1   7697.49  35.02    2.030  0.27( 0.22) 0.79  4149.4    6300.00
      1   7778.42  36.15    1.996  0.27( 0.22) 0.79  4310.5    6320.00
      1   8867.20  54.08    1.585  0.28( 0.21) 0.73  6645.2     780.00
      2    580.94  29.43    2.245  0.22( 0.22) 1.00   318.0    6360.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
      1   7827.10  29.43    2.245  0.27( 0.22) 0.81  3820.2    6360.00
      2   8036.59  31.98    2.145  0.27( 0.22) 0.81  4123.6    6340.00
      3   8216.58  35.02    2.030  0.27( 0.22) 0.81  4467.4    6300.00
      4   8287.78  36.15    1.996  0.27( 0.22) 0.80  4628.5    6320.00
      5   9258.55  54.08    1.585  0.28( 0.21) 0.75  6963.2     780.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =   9258.55    Tc(MIN.) =    54.08
  EFFECTIVE AREA(ACRES) =  6963.20   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.75
  TOTAL AREA(ACRES) =   6963.20
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6374.00 = 20496.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =   6963.20  TC(MIN.) =     54.08
  EFFECTIVE AREA(ACRES) =   6963.20  AREA-AVERAGED Fm(INCH/HR)=  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.75
  PEAK FLOW RATE(CFS)   =   9258.55

  ** PEAK FLOW RATE TABLE **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
      1   7827.10  29.43    2.245  0.27( 0.22) 0.81  3820.2    6360.00
      2   8036.59  31.98    2.145  0.27( 0.22) 0.81  4123.6    6340.00
      3   8216.58  35.02    2.030  0.27( 0.22) 0.81  4467.4    6300.00
      4   8287.78  36.15    1.996  0.27( 0.22) 0.80  4628.5    6320.00
      5   9258.55  54.08    1.585  0.28( 0.21) 0.75  6963.2     780.00
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
**************************************************************************

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                        Analysis prepared by:

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                        Irvine, CA. 92602-1309
                           714 - 734 - 5100

--------------------------------------------------------------------------
  FILE NAME: CE63100H.FLD
  TIME/DATE OF STUDY: 13:04 04/01/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE   6374.00 IS CODE =   1
--------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
==========================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

         WATERSHED AREA =    6963.200 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.720 HOURS
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.020
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.680
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.080
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.220
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.210
         LOW LOSS FRACTION = 0.500
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.52
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.09
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.45
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.43
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.36
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  5.63

         PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.735
          30-MINUTE FACTOR = 0.735
           1-HOUR FACTOR = 0.735
           3-HOUR FACTOR = 0.957
           6-HOUR FACTOR = 0.977
          24-HOUR FACTOR = 0.986

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  11.574


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


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UNIT HYDROGRAPH DETERMINATION

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	0.840	707.160
2	2.714	1578.644
3	5.303	2179.627
4	8.886	3017.851
5	13.204	3636.376
6	18.979	4862.579
7	25.695	5655.420
8	34.776	7647.664
9	47.902	11053.640
10	55.935	6764.510
11	61.525	4707.500
12	65.483	3332.926
13	69.094	3040.790
14	72.030	2472.785
15	74.783	2318.584
16	76.992	1859.653
17	78.961	1658.146
18	80.914	1645.026
19	82.514	1347.462
20	84.051	1294.084
21	85.414	1147.425
22	86.595	994.836
23	87.705	934.873
24	88.725	858.572
25	89.699	820.544
26	90.558	723.163
27	91.369	682.989
28	92.071	591.435
29	92.713	540.172
30	93.352	538.289
31	93.882	446.485
32	94.305	356.043
33	94.727	355.735
34	95.141	348.346
35	95.532	328.989
36	95.886	298.362
37	96.081	164.327
38	96.255	146.241
39	96.416	136.225
40	96.569	128.034
41	96.721	128.008
42	96.872	127.301
43	97.020	124.821
44	97.168	124.654
45	97.301	111.798
46	97.424	103.414
47	97.545	102.456
48	97.665	100.561
49	97.783	99.854
50	97.902	100.208
51	98.021	100.028
52	98.140	100.195
53	98.255	96.745
54	98.347	77.702
55	98.430	69.452
56	98.512	69.638
57	98.595	69.516
58	98.677	69.516
59	98.759	69.105
60	98.837	65.668
61	98.914	64.788

62	98.991	64.878
63	99.068	64.794
64	99.145	64.884
65	99.222	64.813
66	99.299	64.858
67	99.376	64.833
68	99.452	63.830
69	99.524	60.824
70	99.575	42.333
71	99.606	26.586
72	99.638	26.618
73	99.669	26.586
74	99.701	26.612
75	99.733	26.573
76	99.764	26.612
77	99.796	26.612
78	99.816	16.942
79	99.829	11.192
80	99.840	9.316
81	99.844	3.457
82	99.848	3.097
83	99.852	3.045
84	99.855	3.045
85	99.859	3.090
86	99.863	3.052
87	99.866	3.045
88	99.870	3.045
89	99.873	3.090
90	99.877	3.052
91	99.881	3.045
92	99.884	3.090
93	99.888	3.045
94	99.892	3.097
95	99.895	3.045
96	99.899	3.045
97	99.902	3.045
98	99.906	3.052
99	99.910	3.135
100	99.913	3.000
101	99.917	3.090
102	99.921	3.045
103	99.924	3.052
104	99.928	3.045
105	99.932	3.045
106	99.935	3.045
107	99.939	3.045
108	99.942	3.045
109	99.946	3.052
110	99.950	3.045
111	99.953	3.045
112	99.957	3.045
113	99.960	3.045
114	99.964	3.045
115	99.968	3.052
116	99.971	3.045
117	99.975	3.045
118	99.979	3.045
119	99.982	3.045
120	99.986	3.045
121	99.989	3.052
122	99.993	3.045
123	99.997	3.045
124	100.000	2.833

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 1301.1132

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 1918.4962

2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1850.0 3700.0 5550.0 7400.0
14.000	525.6874	1086.09	. Q V . . .
14.083	533.3580	1113.78	. Q .V . . .
14.167	541.2957	1152.54	. Q .V . . .
14.250	549.5615	1200.20	. Q .V . . .
14.333	558.2324	1259.01	. Q .V . . .
14.417	567.3747	1327.46	. Q .V . . .
14.500	577.1036	1412.63	. Q . V . . .
14.583	587.5042	1510.18	. Q . V . . .
14.667	598.7608	1634.45	. Q . V . . .
14.750	611.1895	1804.64	. Q. V . . .
14.833	624.4517	1925.68	. Q V . . .
14.917	638.4057	2026.12	. Q V . . .
15.000	652.9537	2112.38	. .Q V . . .
15.083	668.1022	2199.56	. .Q V . . .
15.167	683.8243	2282.85	. . Q V . . .
15.250	700.1470	2370.06	. . Q V . . .
15.333	717.0588	2455.59	. . QV . . .
15.417	734.4651	2527.40	. . Q V . . .
15.500	752.2465	2581.86	. . Q V . . .
15.583	770.3451	2627.91	. . Q V . . .
15.667	788.6741	2661.37	. . Q V . . .
15.750	807.2379	2695.46	. . Q V . . .
15.833	825.9426	2715.93	. . Q V . . .
15.917	844.9258	2756.37	. . Q V . . .
16.000	864.2638	2807.87	. . Q V . . .
16.083	885.0412	3016.88	. . Q V . . .
16.167	908.4778	3402.99	. . Q . . .
16.250	934.5098	3779.84	. . VQ . . .
16.333	963.7903	4251.54	. . V Q . . .
16.417	996.1716	4701.75	. . V Q . . .
16.500	1032.8450	5324.98	. . .V Q . . .
16.583	1073.2056	5860.35	. . . V .Q . . .
16.667	1118.7384	6611.37	. . . V . Q .
16.750	1169.5571	7378.88	. . . V . Q.
16.833	1209.8289	5847.46	. . . V .Q .
16.917	1243.9235	4950.53	. . . VQ . .
17.000	1274.1720	4392.09	. . . Q V . . .
17.083	1303.6917	4286.25	. . . Q V . . .
17.167	1331.4779	4034.57	. . .Q V . . .
17.250	1358.0542	3858.87	. . Q V . . .
17.333	1382.7305	3583.00	. . Q. V . . .
17.417	1406.0588	3387.29	. . Q . V. . .
17.500	1428.2910	3228.11	. . Q . V. . .
17.583	1448.8994	2992.35	. . Q . V . .
17.667	1468.1798	2799.51	. . Q . V . .
17.750	1485.7164	2546.32	. . Q . V . .
17.833	1501.9502	2357.14	. . Q . .V . .
17.917	1517.2677	2224.10	. . Q . .V . .
18.000	1531.8121	2111.84	. .Q . .V . .
18.083	1545.6682	2011.90	. Q . . V . .
18.167	1558.7596	1900.88	. Q . . V . .
18.250	1571.2092	1807.68	. Q. . . V . .
18.333	1582.9706	1707.75	. Q. . . V . .
18.417	1594.1749	1626.87	. Q . . . V . .
18.500	1604.8827	1554.77	. Q . . . V . .
18.583	1614.9431	1460.77	. Q . . . V . .
18.667	1624.3552	1366.64	. Q . . . V . .
18.750	1633.2626	1293.35	. Q . . . V . .
18.833	1641.7609	1233.95	. Q . . . V . .
18.917	1649.8452	1173.85	. Q . . . V . .
19.000	1657.4979	1111.17	. Q . . . V . .
19.083	1664.5668	1026.40	. Q . . . V . .
19.167	1671.3339	982.57	. Q . . . V . .
19.250	1677.8527	946.52	. Q . . . V . .
19.333	1684.1614	916.03	. Q . . . V .
19.417	1690.2749	887.69	. Q . . . V .
19.500	1696.1995	860.24	. Q . . . V .
19.583	1701.9500	834.97	. Q . . . V .
19.667	1707.5411	811.84	. Q . . . V .
19.750	1712.9580	786.53	. Q . . . V .
19.833	1718.2230	764.47	. Q . . . V .
19.917	1723.3605	745.97	. Q . . . V .
20.000	1728.3788	728.67	. Q . . . V .

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FLOW PROCESS FROM NODE 6374.00 TO NODE 6374.00 IS CODE = 11

>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1850.0 3700.0 5550.0 7400.0
0.083	0.0178	2.58	Q . . . .
0.167	0.0753	8.35	Q . . . .
0.250	0.1879	16.34	Q . . . .
0.333	0.3766	27.41	Q . . . .
0.417	0.6575	40.78	Q . . . .
0.500	1.0615	58.66	Q . . . .
0.583	1.6090	79.50	Q . . . .
0.667	2.3506	107.68	Q . . . .
0.750	3.3726	148.39	Q . . . .
0.833	4.5679	173.56	Q . . . .
0.917	5.8856	191.33	VQ . . . .
1.000	7.2914	204.12	VQ . . . .
1.083	8.7783	215.91	VQ . . . .
1.167	10.3324	225.65	VQ . . . .
1.250	11.9500	234.88	VQ . . . .
1.333	13.6197	242.45	VQ . . . .
1.417	15.3369	249.33	VQ . . . .
1.500	17.1011	256.17	VQ . . . .
1.583	18.9054	261.98	VQ . . . .
1.667	20.7483	267.59	VQ . . . .
1.750	22.6264	272.71	VQ . . . .
1.833	24.5360	277.27	VQ . . . .
1.917	26.4757	281.66	VQ . . . .
2.000	28.4438	285.76	VQ . . . .
2.083	30.4395	289.77	VQ . . . .
2.167	32.4603	293.42	VQ . . . .
2.250	34.5056	296.97	VQ . . . .
2.333	36.5729	300.18	VQ . . . .
2.417	38.6613	303.23	VQ . . . .
2.500	40.7706	306.28	VQ . . . .
2.583	42.8989	309.03	VQ . . . .
2.667	45.0439	311.44	VQ . . . .
2.750	47.2056	313.89	VQ . . . .
2.833	49.3840	316.31	.Q . . . .
2.917	51.5789	318.69	.Q . . . .
3.000	53.7892	320.95	.Q . . . .
3.083	56.0121	322.76	.Q . . . .

3.167	58.2469	324.49	.Q	.	.	.	.
3.250	60.4937	326.23	.Q	.	.	.	.
3.333	62.7521	327.93	.Q	.	.	.	.
3.417	65.0225	329.66	.Q	.	.	.	.
3.500	67.3048	331.38	.Q	.	.	.	.
3.583	69.5991	333.13	.Q	.	.	.	.
3.667	71.9054	334.87	.Q	.	.	.	.
3.750	74.2236	336.61	.Q	.	.	.	.
3.833	76.5535	338.30	.Q	.	.	.	.
3.917	78.8953	340.03	.Q	.	.	.	.
4.000	81.2488	341.74	.Q	.	.	.	.
4.083	83.6145	343.49	.Q	.	.	.	.
4.167	85.9921	345.23	.Q	.	.	.	.
4.250	88.3820	347.02	.Q	.	.	.	.
4.333	90.7841	348.79	.Q	.	.	.	.
4.417	93.1987	350.59	.Q	.	.	.	.
4.500	95.6251	352.32	.Q	.	.	.	.
4.583	98.0635	354.06	.QV	.	.	.	.
4.667	100.5138	355.78	.QV	.	.	.	.
4.750	102.9764	357.56	.QV	.	.	.	.
4.833	105.4510	359.32	.QV	.	.	.	.
4.917	107.9382	361.13	.QV	.	.	.	.
5.000	110.4376	362.91	.QV	.	.	.	.
5.083	112.9496	364.74	.QV	.	.	.	.
5.167	115.4741	366.56	.QV	.	.	.	.
5.250	118.0115	368.43	.QV	.	.	.	.
5.333	120.5617	370.29	. Q	.	.	.	.
5.417	123.1251	372.20	. Q	.	.	.	.
5.500	125.7014	374.09	. Q	.	.	.	.
5.583	128.2913	376.04	. Q	.	.	.	.
5.667	130.8944	377.97	. Q	.	.	.	.
5.750	133.5111	379.95	. Q	.	.	.	.
5.833	136.1410	381.85	. Q	.	.	.	.
5.917	138.7838	383.75	. Q	.	.	.	.
6.000	141.4397	385.63	. Q	.	.	.	.
6.083	144.1090	387.57	. QV	.	.	.	.
6.167	146.7915	389.50	. QV	.	.	.	.
6.250	149.4877	391.49	. QV	.	.	.	.
6.333	152.1976	393.47	. QV	.	.	.	.
6.417	154.9215	395.51	. QV	.	.	.	.
6.500	157.6591	397.50	. QV	.	.	.	.
6.583	160.4107	399.53	. QV	.	.	.	.
6.667	163.1761	401.55	. QV	.	.	.	.
6.750	165.9558	403.61	. QV	.	.	.	.
6.833	168.7496	405.65	. QV	.	.	.	.
6.917	171.5578	407.76	. QV	.	.	.	.
7.000	174.3806	409.86	. QV	.	.	.	.
7.083	177.2183	412.04	. QV	.	.	.	.
7.167	180.0709	414.19	. QV	.	.	.	.
7.250	182.9388	416.42	. QV	.	.	.	.
7.333	185.8220	418.64	. QV	.	.	.	.
7.417	188.7210	420.94	. QV	.	.	.	.
7.500	191.6357	423.22	. QV	.	.	.	.
7.583	194.5667	425.58	. Q V	.	.	.	.
7.667	197.5138	427.92	. Q V	.	.	.	.
7.750	200.4777	430.35	. Q V	.	.	.	.
7.833	203.4582	432.77	. Q V	.	.	.	.
7.917	206.4560	435.27	. Q V	.	.	.	.
8.000	209.4709	437.76	. Q V	.	.	.	.
8.083	212.5035	440.34	. Q V	.	.	.	.
8.167	215.5539	442.91	. Q V	.	.	.	.
8.250	218.6225	445.57	. Q V	.	.	.	.
8.333	221.7094	448.21	. Q V	.	.	.	.
8.417	224.8152	450.96	. Q V	.	.	.	.
8.500	227.9398	453.69	. Q V	.	.	.	.
8.583	231.0839	456.52	. Q V	.	.	.	.
8.667	234.2474	459.34	. Q V	.	.	.	.
8.750	237.4311	462.27	. Q V	.	.	.	.
8.833	240.6349	465.19	. Q V	.	.	.	.
8.917	243.8595	468.21	. Q V	.	.	.	.
9.000	247.1048	471.23	. Q V	.	.	.	.
9.083	250.3717	474.35	. Q V	.	.	.	.
9.167	253.6601	477.47	. Q V	.	.	.	.
9.250	256.9708	480.71	. Q V	.	.	.	.
9.333	260.3037	483.94	. Q V	.	.	.	.
9.417	263.6598	487.30	. Q V	.	.	.	.
9.500	267.0389	490.65	. Q V	.	.	.	.
9.583	270.4420	494.13	. Q V	.	.	.	.
9.667	273.8689	497.60	. Q V	.	.	.	.
9.750	277.3208	501.21	. Q V	.	.	.	.
9.833	280.7975	504.81	. Q V	.	.	.	.
9.917	284.3000	508.56	. Q V	.	.	.	.
10.000	287.8283	512.31	. Q V	.	.	.	.
10.083	291.3834	516.21	. Q V	.	.	.	.
10.167	294.9654	520.11	. Q V	.	.	.	.
10.250	298.5753	524.16	. Q V	.	.	.	.
10.333	302.2132	528.22	. Q V	.	.	.	.
10.417	305.8801	532.43	. Q V	.	.	.	.
10.500	309.5760	536.65	. Q V	.	.	.	.
10.583	313.3022	541.05	. Q V	.	.	.	.
10.667	317.0587	545.45	. Q V	.	.	.	.
10.750	320.8469	550.04	. Q V	.	.	.	.
10.833	324.6667	554.63	. Q V	.	.	.	.
10.917	328.5195	559.43	. Q V	.	.	.	.
11.000	332.4054	564.24	. Q V	.	.	.	.
11.083	336.3259	569.26	. Q V	.	.	.	.
11.167	340.2812	574.30	. Q V	.	.	.	.
11.250	344.2726	579.56	. Q V	.	.	.	.
11.333	348.3005	584.84	. Q V	.	.	.	.
11.417	352.3664	590.37	. Q V	.	.	.	.
11.500	356.4705	595.92	. Q V	.	.	.	.
11.583	360.6146	601.72	. Q V	.	.	.	.
11.667	364.7989	607.56	. Q V	.	.	.	.
11.750	369.0253	613.68	. Q V	.	.	.	.
11.833	373.2941	619.83	. Q V	.	.	.	.
11.917	377.6074	626.28	. Q V	.	.	.	.
12.000	381.9653	632.78	. Q V	.	.	.	.
12.083	386.3835	641.52	. Q V	.	.	.	.
12.167	390.8785	652.68	. Q V	.	.	.	.
12.250	395.4641	665.83	. Q V	.	.	.	.
12.333	400.1564	681.33	. Q V	.	.	.	.
12.417	404.9699	698.91	. Q V	.	.	.	.
12.500	409.9280	719.92	. Q V	.	.	.	.
12.583	415.0488	743.53	. Q V	.	.	.	.
12.667	420.3702	772.67	. Q V	.	.	.	.
12.750	425.9594	811.56	. Q V	.	.	.	.
12.833	431.7375	838.98	. Q V.	.	.	.	.
12.917	437.6698	861.37	. Q V.	.	.	.	.
13.000	443.7316	880.17	. Q V.	.	.	.	.
13.083	449.9214	898.75	. Q V.	.	.	.	.
13.167	456.2296	915.95	. Q V.	.	.	.	.
13.250	462.6577	933.35	. Q V.	.	.	.	.
13.333	469.1982	949.69	. Q V.	.	.	.	.
13.417	475.8523	966.16	. Q V.	.	.	.	.
13.500	482.6209	982.81	. Q V	.	.	.	.
13.583	489.5039	999.41	. Q V	.	.	.	.
13.667	496.5019	1016.11	. Q V	.	.	.	.
13.750	503.6180	1033.25	. Q V	.	.	.	.
13.833	510.8513	1050.29	. Q V	.	.	.	.
13.917	518.2075	1068.11	. Q V	.	.	.	.
14.000	525.6874	1086.09	. Q V	.	.	.	.
14.083	533.3580	1113.78	. Q .V	.	.	.	.
14.167	541.2957	1152.54	. Q .V	.	.	.	.
14.250	549.5615	1200.20	. Q .V	.	.	.	.

14.333	558.2324	1259.01	. Q .V . . .
14.417	567.3747	1327.46	. Q .V . . .
14.500	577.1036	1412.63	. Q . V . . .
14.583	587.5042	1510.18	. Q . V . . .
14.667	598.7608	1634.45	. Q . V . . .
14.750	611.1895	1804.64	. Q. V . . .
14.833	624.4517	1925.68	. Q V . . .
14.917	638.4057	2026.12	. Q V . . .
15.000	652.9537	2112.38	. .Q V . . .
15.083	668.1022	2199.56	. .Q V . . .
15.167	683.8243	2282.85	. . Q V . . .
15.250	700.1470	2370.06	. . Q V . . .
15.333	717.0588	2455.59	. . QV . . .
15.417	734.4651	2527.40	. . Q V . . .
15.500	752.2465	2581.86	. . Q V . . .
15.583	770.3451	2627.91	. . Q V . . .
15.667	788.6741	2661.37	. . Q V . . .
15.750	807.2379	2695.46	. . Q V . . .
15.833	825.9426	2715.93	. . Q V . . .
15.917	844.9258	2756.37	. . Q V . . .
16.000	864.2638	2807.87	. . Q V . . .
16.083	885.0412	3016.88	. . Q V . . .
16.167	908.4778	3402.99	. . Q . . .
16.250	934.5098	3779.84	. . VQ . . .
16.333	963.7903	4251.54	. . V Q . . .
16.417	996.1716	4701.75	. . V Q . . .
16.500	1032.8450	5324.98	. . .V Q . . .
16.583	1073.2056	5860.35	. . . V .Q .
16.667	1118.7384	6611.37	. . . V . Q .
16.750	1169.5571	7378.88	. . . V . Q.
16.833	1209.8289	5847.46	. . . V .Q .
16.917	1243.9235	4950.53	. . . VQ . . .
17.000	1274.1720	4392.09	. . . Q V . . .
17.083	1303.6917	4286.25	. . . Q V . . .
17.167	1331.4779	4034.57	. . .Q V . . .
17.250	1358.0542	3858.87	. . Q V . . .
17.333	1382.7305	3583.00	. . Q. V . . .
17.417	1406.0588	3387.29	. . Q . V. . .
17.500	1428.2910	3228.11	. . Q . V. . .
17.583	1448.8994	2992.35	. . Q . V . . .
17.667	1468.1798	2799.51	. . Q . V . . .
17.750	1485.7164	2546.32	. . Q . V . . .
17.833	1501.9502	2357.14	. . Q . .V . . .
17.917	1517.2677	2224.10	. . Q . .V . . .
18.000	1531.8121	2111.84	. .Q . .V . . .
18.083	1545.6682	2011.90	. Q . . V . . .
18.167	1558.7596	1900.88	. Q . . V . . .
18.250	1571.2092	1807.68	. Q. . . V . . .
18.333	1582.9706	1707.75	. Q. . . V . . .
18.417	1594.1749	1626.87	. Q . . . V . . .
18.500	1604.8827	1554.77	. Q . . . V . . .
18.583	1614.9431	1460.77	. Q . . . V . . .
18.667	1624.3552	1366.64	. Q . . . V . . .
18.750	1633.2626	1293.35	. Q . . . V . . .
18.833	1641.7609	1233.95	. Q . . . V . . .
18.917	1649.8452	1173.85	. Q . . . V . . .
19.000	1657.4979	1111.17	. Q . . . V . . .
19.083	1664.5668	1026.40	. Q . . . V . . .
19.167	1671.3339	982.57	. Q . . . V . . .
19.250	1677.8527	946.52	. Q . . . V . . .
19.333	1684.1614	916.03	. Q . . . V . . .
19.417	1690.2749	887.69	. Q . . . V . . .
19.500	1696.1995	860.24	. Q . . . V . . .
19.583	1701.9500	834.97	. Q . . . V . . .
19.667	1707.5411	811.84	. Q . . . V . . .
19.750	1712.9580	786.53	. Q . . . V . . .
19.833	1718.2230	764.47	. Q . . . V . . .

19.917	1723.3605	745.97	. Q . . . V .
20.000	1728.3788	728.67	. Q . . . V .
20.083	1733.2946	713.78	. Q . . . V .
20.167	1738.1143	699.82	. Q . . . V .
20.250	1742.8396	686.11	. Q . . . V .
20.333	1747.4719	672.61	. Q . . . V .
20.417	1752.0023	657.81	. Q . . . V .
20.500	1756.4042	639.14	. Q . . . V .
20.583	1760.7070	624.77	. Q . . . V .
20.667	1764.9349	613.90	. Q . . . V .
20.750	1769.0916	603.54	. Q . . . V .
20.833	1773.1765	593.14	. Q . . . V .
20.917	1777.1892	582.64	. Q . . . V .
21.000	1781.1268	571.74	. Q . . . V .
21.083	1784.9996	562.33	. Q . . . V .
21.167	1788.8149	553.99	. Q . . . V .
21.250	1792.5767	546.20	. Q . . . V .
21.333	1796.2852	538.47	. Q . . . V .
21.417	1799.9403	530.74	. Q . . . V .
21.500	1803.5433	523.16	. Q . . . V .
21.583	1807.0930	515.41	. Q . . . V .
21.667	1810.5835	506.82	. Q . . . V .
21.750	1814.0054	496.86	. Q . . . V .
21.833	1817.3317	482.97	. Q . . . V .
21.917	1820.5758	471.05	. Q . . . V .
22.000	1823.7751	464.55	. Q . . . V .
22.083	1826.9346	458.75	. Q . . . V .
22.167	1830.0527	452.75	. Q . . . V .
22.250	1833.1274	446.45	. Q . . . V .
22.333	1836.1580	440.04	. Q . . . V .
22.417	1839.1418	433.26	. Q . . . V .
22.500	1842.0616	423.95	. Q . . . V .
22.583	1844.9272	416.08	. Q . . . V .
22.667	1847.7487	409.67	. Q . . . V .
22.750	1850.5223	402.74	. Q . . . V .
22.833	1853.2617	397.76	. Q . . . V .
22.917	1855.9701	393.25	. Q . . . V .
23.000	1858.6488	388.95	. Q . . . V .
23.083	1861.2981	384.68	. Q . . . V .
23.167	1863.9188	380.53	. Q . . . V .
23.250	1866.5120	376.52	. Q . . . V .
23.333	1869.0782	372.63	. Q . . . V .
23.417	1871.6187	368.86	.Q . . . V.
23.500	1874.1344	365.29	.Q . . . V.
23.583	1876.6267	361.89	.Q . . . V.
23.667	1879.0966	358.62	.Q . . . V.
23.750	1881.5447	355.47	.Q . . . V.
23.833	1883.9723	352.48	.Q . . . V.
23.917	1886.3798	349.57	.Q . . . V.
24.000	1888.7678	346.74	.Q . . . V.
24.083	1891.1190	341.40	.Q . . . V.
24.167	1893.4121	332.95	.Q . . . V.
24.250	1895.6327	322.43	.Q . . . V.
24.333	1897.7600	308.89	.Q . . . V.
24.417	1899.7795	293.24	.Q . . . V.
24.500	1901.6614	273.25	.Q . . . V.
24.583	1903.3870	250.55	.Q . . . V.
24.667	1904.9073	220.77	.Q . . . V.
24.750	1906.1388	178.80	Q . . . V.
24.833	1907.1908	152.75	Q . . . V.
24.917	1908.1163	134.39	Q . . . V.
25.000	1908.9508	121.16	Q . . . V.
25.083	1909.7021	109.10	Q . . . V.
25.167	1910.3853	99.19	Q . . . V.
25.250	1911.0045	89.91	Q . . . V.
25.333	1911.5719	82.38	Q . . . V.
25.417	1912.0928	75.63	Q . . . V.

25.500	1912.5677	68.97	Q	.	.	.	V.
25.583	1913.0048	63.45	Q	.	.	.	V.
25.667	1913.4053	58.16	Q	.	.	.	V.
25.750	1913.7738	53.51	Q	.	.	.	V.
25.833	1914.1144	49.45	Q	.	.	.	V.
25.917	1914.4286	45.62	Q	.	.	.	V.
26.000	1914.7185	42.09	Q	.	.	.	V.
26.083	1914.9850	38.69	Q	.	.	.	V.
26.167	1915.2305	35.65	Q	.	.	.	V.
26.250	1915.4556	32.69	Q	.	.	.	V.
26.333	1915.6617	29.94	Q	.	.	.	V.
26.417	1915.8458	26.73	Q	.	.	.	V.
26.500	1916.0139	24.41	Q	.	.	.	V.
26.583	1916.1691	22.52	Q	.	.	.	V.
26.667	1916.3137	21.00	Q	.	.	.	V.
26.750	1916.4475	19.43	Q	.	.	.	V.
26.833	1916.5709	17.91	Q	.	.	.	V.
26.917	1916.6844	16.49	Q	.	.	.	V.
27.000	1916.7891	15.19	Q	.	.	.	V.
27.083	1916.8882	14.39	Q	.	.	.	V.
27.167	1916.9824	13.68	Q	.	.	.	V.
27.250	1917.0720	13.00	Q	.	.	.	V.
27.333	1917.1572	12.37	Q	.	.	.	V.
27.417	1917.2384	11.79	Q	.	.	.	V.
27.500	1917.3156	11.21	Q	.	.	.	V.
27.583	1917.3889	10.65	Q	.	.	.	V.
27.667	1917.4584	10.09	Q	.	.	.	V.
27.750	1917.5244	9.59	Q	.	.	.	V.
27.833	1917.5872	9.12	Q	.	.	.	V.
27.917	1917.6467	8.66	Q	.	.	.	V.
28.000	1917.7032	8.21	Q	.	.	.	V.
28.083	1917.7567	7.77	Q	.	.	.	V.
28.167	1917.8071	7.33	Q	.	.	.	V.
28.250	1917.8546	6.89	Q	.	.	.	V.
28.333	1917.8992	6.46	Q	.	.	.	V.
28.417	1917.9409	6.06	Q	.	.	.	V.
28.500	1917.9803	5.72	Q	.	.	.	V.
28.583	1918.0177	5.42	Q	.	.	.	V.
28.667	1918.0530	5.12	Q	.	.	.	V.
28.750	1918.0862	4.83	Q	.	.	.	V.
28.833	1918.1174	4.54	Q	.	.	.	V.
28.917	1918.1467	4.25	Q	.	.	.	V.
29.000	1918.1741	3.98	Q	.	.	.	V.
29.083	1918.1996	3.71	Q	.	.	.	V.
29.167	1918.2233	3.44	Q	.	.	.	V.
29.250	1918.2451	3.18	Q	.	.	.	V.
29.333	1918.2651	2.92	Q	.	.	.	V.
29.417	1918.2834	2.66	Q	.	.	.	V.
29.500	1918.2999	2.40	Q	.	.	.	V.
29.583	1918.3147	2.14	Q	.	.	.	V.
29.667	1918.3278	1.89	Q	.	.	.	V.
29.750	1918.3391	1.66	Q	.	.	.	V.
29.833	1918.3494	1.49	Q	.	.	.	V.
29.917	1918.3589	1.38	Q	.	.	.	V.
30.000	1918.3677	1.27	Q	.	.	.	V.

END OF FLOODSCx ROUTING ANALYSIS

PRELIMINARY DRAFT – FOR INTERNAL USE ONLY

TECHNICAL APPENDIX IV-B
HYDROLOGIC ANALYSIS
PROPOSED CONDITION

PRELIMINARY DRAFT – FOR INTERNAL USE ONLY

HYDROLOGY ANALYSIS FOR CANADA GOBERNADORA PROPOSED CONDITION 100-YEAR HIGH CONFIDENCE STORM EVENT

Losses

Node	S6395
Total Area (ac)	7,291.1
24-Hour Rainfall Depth (in)	5.63
Fm (in/hr)	0.19
Y-Bar	0.41

	Ap	Curve Number (AMC II)				Subarea (ac)				Total (ac)			
Description	%	A	B	C	D	A	B	C	D	A	B	C	D
Commercial	10	32	56	69	75	0.0	0.0	0.2	0.3	0.0	0.0	0.2	0.3
11+ Dwellings / Acre	20	32	56	69	75	1.9	31.8	212.9	229.1	1.9	31.8	212.9	229.1
5-7 Dwellings / Acre	50	32	56	69	75	0.6	38.3	102.8	86.0	0.6	83.4	167.6	97.0
3-4 Dwellings / Acre	60	32	56	69	75	0.0	76.8	192.7	307.8	0.0	76.8	1,089.5	307.8
2 Dwellings / Acre	70	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	1,034.3	0.0
1 Dwelling / 2.5 Acre	90	32	56	69	75	0.0	0.0	0.0	0.0	0.0	28.7	1,593.6	0.0
Public Park	85	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	1,067.0	0.0
Barren (Poor)	100	78	86	91	93	47.3	117.1	43.0	2.7	47.3	117.1	43.0	2.7
Chaparral, Broadleaf (Fair)	100	40	63	75	81	0.0	28.3	110.9	81.9	0.0	28.3	110.9	81.9
Chaparral, Narrowleaf (Fair)	100	55	72	81	86	0.0	0.0	6.2	2.0	0.0	0.0	6.2	2.0
Grass (Fair)	100	50	69	79	84	2.5	46.8	127.3	77.7	2.5	46.8	127.3	77.7
Meadows or Cienegas (Good)	100	30	58	71	78	0.4	0.0	4.0	0.0	0.4	0.0	4.0	0.0
Open Brush (Fair)	100	46	66	77	83	1.3	16.6	148.9	94.7	1.3	16.6	148.9	94.7
Woodland (Fair)	100	36	60	73	79	8.6	23.8	28.5	16.5	8.6	23.8	28.5	16.5
Fallow (Poor)	100	77	86	91	94	1.3	3.3	8.4	10.9	1.3	3.3	8.4	10.9
Pasture, Dryland (Fair)	100	49	69	79	84	37.7	62.4	30.4	77.2	37.7	62.4	30.4	77.2

		S				Ia				Y			
Description		A	B	C	D	A	B	C	D	A	B	C	D
Commercial		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
11+ Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
5-7 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
3-4 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
2 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
1 Dwelling / 2.5 Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Public Park		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Barren (Poor)		2.82	1.63	0.99	0.75	0.56	0.33	0.20	0.15	0.58	0.72	0.82	0.86
Chaparral, Broadleaf (Fair)		15.00	5.87	3.33	2.35	3.00	1.17	0.67	0.47	0.07	0.34	0.53	0.63
Chaparral, Narrowleaf (Fair)		8.18	3.89	2.35	1.63	1.64	0.78	0.47	0.33	0.23	0.48	0.63	0.72
Grass (Fair)		10.00	4.49	2.66	1.90	2.00	0.90	0.53	0.38	0.17	0.43	0.60	0.68
Meadows or Cienegas (Good)		23.33	7.24	4.08	2.82	4.67	1.45	0.82	0.56	0.01	0.27	0.46	0.58
Open Brush (Fair)		11.74	5.15	2.99	2.05	2.35	1.03	0.60	0.41	0.13	0.39	0.56	0.67
Woodland (Fair)		17.78	6.67	3.70	2.66	3.56	1.33	0.74	0.53	0.04	0.30	0.49	0.60
Fallow (Poor)		2.99	1.63	0.99	0.64	0.60	0.33	0.20	0.13	0.56	0.72	0.82	0.88
Pasture, Dryland (Fair)		10.41	4.49	2.66	1.90	2.08	0.90	0.53	0.38	0.16	0.43	0.60	0.68

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______________________________________________________________________
**********************************************************************
            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM PACKAGE
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                          Analysis prepared by:

                          Huitt - Zollars, Inc.
                         430 Exchange, Suite 200
                          Irvine, CA. 92602-1309
                             714 - 734 - 5100

------------------------------------------------------------------------
  FILE NAME: CP63100H.DAT
  TIME/DATE OF STUDY: 12:41 05/29/2004
========================================================================
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
========================================================================
                    --*TIME-OF-CONCENTRATION MODEL*--

  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  18.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.90
  *DATA BANK RAINFALL USED*
  *ANTECEDENT MOISTURE CONDITION (AMC) II ASSUMED FOR RATIONAL METHOD*

  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*
  *USER-SPECIFIED MINIMUM TOPOGRAPHIC SLOPE ADJUSTMENT NOT SELECTED

**********************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE =   7
----------------------------------------------------------------------
  >>>>>USER SPECIFIED HYDROLOGY INFORMATION AT NODE<<<<<
======================================================================
  USER-SPECIFIED VALUES ARE AS FOLLOWS:
  TC(MIN.) =  36.19   RAINFALL INTENSITY(INCH/HR) =  1.99
  EFFECTIVE AREA(ACRES) =  4741.30
  TOTAL AREA(ACRES) =  4741.30        PEAK FLOW RATE(CFS) =   7547.37
  AREA-AVERAGED Fm(INCH/HR) =   0.19  AREA-AVERAGED Fp(INCH/HR) =   0.30
  AREA-AVERAGED Ap =  0.63
  NOTE: EFFECTIVE AREA IS USED AS THE TOTAL CONTRIBUTING AREA FOR ALL
        CONFLUENCE ANALYSES.

**********************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE =  51
----------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
======================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    408.00  DOWNSTREAM(FEET) =    382.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  2533.00   CHANNEL SLOPE =  0.0103
  CHANNEL BASE(FEET) =   20.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   7547.37
  FLOW VELOCITY(FEET/SEC.) =  15.25   FLOW DEPTH(FEET) =  14.39
  TRAVEL TIME(MIN.) =   2.77   Tc(MIN.) =  38.96
  LONGEST FLOWPATH FROM NODE    780.00 TO NODE   6311.00 =  2533.00 FEET.

**********************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE =  81
----------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
======================================================================
  MAINLINE Tc(MIN) =  38.96
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.911
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                   A        1.30      0.40      1.00    77
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       A        0.60      0.40      0.50    32
  NATURAL POOR COVER
  "BARREN"                   A        1.60      0.40      1.00    78
  NATURAL FAIR COVER
  "GRASS"                    A        2.30      0.40      1.00    50
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          A       29.80      0.40      1.00    49
  NATURAL FAIR COVER
  "WOODLAND"                 A        5.10      0.40      1.00    36
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.40
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.99
  SUBAREA AREA(ACRES) =   40.70      SUBAREA RUNOFF(CFS) =   55.46
  EFFECTIVE AREA(ACRES) =   4782.00   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.63
  TOTAL AREA(ACRES) =   4782.00       PEAK FLOW RATE(CFS) =    7547.37
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

**********************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE =  81
----------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
======================================================================
  MAINLINE Tc(MIN) =  38.96
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.911
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                   B        1.10      0.30      1.00    86
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       B        9.30      0.30      0.50    56
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        1.80      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          B       12.20      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.20      0.30      1.00    60
  AGRICULTURAL POOR COVER
  "FALLOW"                   C        0.20      0.25      1.00    91
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.30
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.81
  SUBAREA AREA(ACRES) =   24.80      SUBAREA RUNOFF(CFS) =   37.23
  EFFECTIVE AREA(ACRES) =   4806.80   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.63
  TOTAL AREA(ACRES) =   4806.80       PEAK FLOW RATE(CFS) =    7547.37
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

**********************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE =  81
----------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
======================================================================
  MAINLINE Tc(MIN) =  38.96
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.911
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        1.60      0.25      1.00    75
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       C        6.40      0.25      0.50    69
  NATURAL FAIR COVER
  "GRASS"                    C        0.40      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C       26.30      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          C       13.20      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                 C        1.30      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.93
  SUBAREA AREA(ACRES) =   49.20      SUBAREA RUNOFF(CFS) =   74.28
```

```
  EFFECTIVE AREA(ACRES) =   4856.00   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.64
  TOTAL AREA(ACRES) =   4856.00       PEAK FLOW RATE(CFS) =    7547.37
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  38.96
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.911
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                    D        0.20      0.20      1.00    94
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"        D        0.20      0.20      0.50    75
  NATURAL FAIR COVER
  "GRASS"                     D        0.20      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        4.50      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D       16.90      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   22.00      SUBAREA RUNOFF(CFS) =   33.90
  EFFECTIVE AREA(ACRES) =   4878.00   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.64
  TOTAL AREA(ACRES) =   4878.00       PEAK FLOW RATE(CFS) =    7549.97

****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  38.96
  RAINFALL INTENSITY(INCH/HR) =   1.91
  AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30
  AREA-AVERAGED Ap =  0.64
  EFFECTIVE STREAM AREA(ACRES) =  4878.00
  TOTAL STREAM AREA(ACRES) =  4878.00
  PEAK FLOW RATE(CFS) AT CONFLUENCE =   7549.97

****************************************************************************
  FLOW PROCESS FROM NODE   6300.00 TO NODE   6301.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   317.00
  ELEVATION DATA: UPSTREAM(FEET) =    801.00  DOWNSTREAM(FEET) =    685.00

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    8.641
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.562
  SUBAREA Tc AND LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.40      0.25      1.00    77    8.64
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.50      0.20      1.00    81    8.64
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.30      0.20      1.00    83    8.64
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA RUNOFF(CFS) =      4.69
  TOTAL AREA(ACRES) =      1.20   PEAK FLOW RATE(CFS) =      4.69

****************************************************************************
  FLOW PROCESS FROM NODE   6301.00 TO NODE   6302.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    685.00  DOWNSTREAM(FEET) =    655.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   135.00   CHANNEL SLOPE =  0.2222
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      4.69
  FLOW VELOCITY(FEET/SEC.) =   7.46   FLOW DEPTH(FEET) =   0.44
  TRAVEL TIME(MIN.) =   0.30   Tc(MIN.) =   8.94
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6302.00 =   452.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6301.00 TO NODE   6302.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   8.94
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.473
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.20      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.50      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.50      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.21
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    1.20      SUBAREA RUNOFF(CFS) =    4.61
  EFFECTIVE AREA(ACRES) =      2.40   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      2.40       PEAK FLOW RATE(CFS) =       9.20

****************************************************************************
  FLOW PROCESS FROM NODE   6302.00 TO NODE   6303.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    655.00  DOWNSTREAM(FEET) =    630.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   203.00   CHANNEL SLOPE =  0.1232
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      9.20
  FLOW VELOCITY(FEET/SEC.) =   7.21   FLOW DEPTH(FEET) =   0.74
  TRAVEL TIME(MIN.) =   0.47   Tc(MIN.) =   9.41
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6303.00 =   655.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6302.00 TO NODE   6303.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   9.41
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.334
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.20      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.40      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        1.70      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    2.30      SUBAREA RUNOFF(CFS) =    8.55
  EFFECTIVE AREA(ACRES) =      4.70   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      4.70       PEAK FLOW RATE(CFS) =      17.45

****************************************************************************
  FLOW PROCESS FROM NODE   6303.00 TO NODE   6304.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    630.00  DOWNSTREAM(FEET) =    605.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   321.00   CHANNEL SLOPE =  0.0779
```

```
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     17.45
  FLOW VELOCITY(FEET/SEC.) =   7.02   FLOW DEPTH(FEET) =   0.87
  TRAVEL TIME(MIN.) =   0.76   Tc(MIN.) =  10.17
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6304.00 =   976.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6303.00 TO NODE   6304.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.17
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.125
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        0.20      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.90      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.10      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.30      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     3.50      SUBAREA RUNOFF(CFS) =   12.32
  EFFECTIVE AREA(ACRES) =      8.20   AREA-AVERAGED Fm(INCH/HR) =  0.21
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      8.20       PEAK FLOW RATE(CFS) =      28.88

****************************************************************************
  FLOW PROCESS FROM NODE   6304.00 TO NODE   6305.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    605.00  DOWNSTREAM(FEET) =    585.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   288.00   CHANNEL SLOPE =  0.0694
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     28.88
  FLOW VELOCITY(FEET/SEC.) =   7.72   FLOW DEPTH(FEET) =   1.18
  TRAVEL TIME(MIN.) =   0.62   Tc(MIN.) =  10.80
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6305.00 =  1264.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6304.00 TO NODE   6305.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.80
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.001
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        0.40      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        2.90      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.90      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.20      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     6.40      SUBAREA RUNOFF(CFS) =   21.74
  EFFECTIVE AREA(ACRES) =     14.60   AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     14.60       PEAK FLOW RATE(CFS) =      49.71

****************************************************************************
  FLOW PROCESS FROM NODE   6305.00 TO NODE   6306.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    585.00  DOWNSTREAM(FEET) =    560.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   344.00   CHANNEL SLOPE =  0.0727
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     49.71
  FLOW VELOCITY(FEET/SEC.) =   9.07   FLOW DEPTH(FEET) =   1.55
  TRAVEL TIME(MIN.) =   0.63   Tc(MIN.) =  11.43
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6306.00 =  1608.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6305.00 TO NODE   6306.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  11.43
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.874
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        0.40      0.30      1.00    63
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        3.60      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.80      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        1.40      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        3.70      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    10.90      SUBAREA RUNOFF(CFS) =   35.77
  EFFECTIVE AREA(ACRES) =     25.50   AREA-AVERAGED Fm(INCH/HR) =  0.22
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     25.50       PEAK FLOW RATE(CFS) =      83.82

****************************************************************************
  FLOW PROCESS FROM NODE   6306.00 TO NODE   6307.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    560.00  DOWNSTREAM(FEET) =    530.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   619.00   CHANNEL SLOPE =  0.0485
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     83.82
  FLOW VELOCITY(FEET/SEC.) =   8.84   FLOW DEPTH(FEET) =   1.93
  TRAVEL TIME(MIN.) =   1.17   Tc(MIN.) =  12.59
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6307.00 =  2227.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6306.00 TO NODE   6307.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  12.59
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.646
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        2.10      0.30      1.00    63
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        5.30      0.25      1.00    75
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        4.30      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        1.50      0.20      1.00    81
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        1.90      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    15.10      SUBAREA RUNOFF(CFS) =   46.21
  EFFECTIVE AREA(ACRES) =     40.60   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     40.60       PEAK FLOW RATE(CFS) =     124.79

****************************************************************************
  FLOW PROCESS FROM NODE   6307.00 TO NODE   6308.00 IS CODE =  51
```

```
 ----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
 ============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    530.00  DOWNSTREAM(FEET) =    515.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   377.00   CHANNEL SLOPE =  0.0398
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    124.79
  FLOW VELOCITY(FEET/SEC.) =   9.12   FLOW DEPTH(FEET) =   2.49
  TRAVEL TIME(MIN.) =   0.69   Tc(MIN.) =  13.28
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6308.00 =  2604.00 FEET.

 ****************************************************************************
  FLOW PROCESS FROM NODE   6307.00 TO NODE   6308.00 IS CODE =  81
 ----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
 ============================================================================
  MAINLINE Tc(MIN) =  13.28
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.547
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B         0.30      0.30      1.00    63
  NATURAL FAIR COVER
  "GRASS"                     B         0.90      0.30      1.00    69
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C         6.50      0.25      1.00    75
  NATURAL FAIR COVER
  "GRASS"                     C         2.00      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C         3.70      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D         1.30      0.20      1.00    81
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   14.70      SUBAREA RUNOFF(CFS) =   43.63
  EFFECTIVE AREA(ACRES) =     55.30   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     55.30       PEAK FLOW RATE(CFS) =     164.79

 ****************************************************************************
  FLOW PROCESS FROM NODE   6307.00 TO NODE   6308.00 IS CODE =  81
 ----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
 ============================================================================
  MAINLINE Tc(MIN) =  13.28
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.547
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     D         0.30      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D         3.20      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    3.50      SUBAREA RUNOFF(CFS) =   10.54
  EFFECTIVE AREA(ACRES) =     58.80   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     58.80       PEAK FLOW RATE(CFS) =     175.34

 ****************************************************************************
  FLOW PROCESS FROM NODE   6308.00 TO NODE   6309.00 IS CODE =  51
 ----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
 ============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    515.00  DOWNSTREAM(FEET) =    490.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   520.00   CHANNEL SLOPE =  0.0481
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    175.34
  FLOW VELOCITY(FEET/SEC.) =  10.65   FLOW DEPTH(FEET) =   2.83
  TRAVEL TIME(MIN.) =   0.81   Tc(MIN.) =  14.10
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6309.00 =  3124.00 FEET.

 ****************************************************************************
  FLOW PROCESS FROM NODE   6308.00 TO NODE   6309.00 IS CODE =  81
 ----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
 ============================================================================
  MAINLINE Tc(MIN) =  14.10
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.430
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     B         4.10      0.30      1.00    69
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B         2.80      0.30      1.00    63
  NATURAL FAIR COVER
  "GRASS"                     C        14.60      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C         4.20      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C         4.70      0.25      1.00    75
  NATURAL FAIR COVER
  "WOODLAND"                  C         3.10      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   33.50      SUBAREA RUNOFF(CFS) =   95.56
  EFFECTIVE AREA(ACRES) =     92.30   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     92.30       PEAK FLOW RATE(CFS) =     264.70

 ****************************************************************************
  FLOW PROCESS FROM NODE   6308.00 TO NODE   6309.00 IS CODE =  81
 ----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
 ============================================================================
  MAINLINE Tc(MIN) =  14.10
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.430
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D         1.70      0.20      1.00    81
  NATURAL FAIR COVER
  "GRASS"                     D         9.30      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D         2.30      0.20      1.00    83
  NATURAL FAIR COVER
  "WOODLAND"                  D         0.40      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   13.70      SUBAREA RUNOFF(CFS) =   39.83
  EFFECTIVE AREA(ACRES) =    106.00   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    106.00       PEAK FLOW RATE(CFS) =     304.53

 ****************************************************************************
  FLOW PROCESS FROM NODE   6309.00 TO NODE   6310.00 IS CODE =  51
 ----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
 ============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    490.00  DOWNSTREAM(FEET) =    432.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1420.00   CHANNEL SLOPE =  0.0408
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    304.53
  FLOW VELOCITY(FEET/SEC.) =  11.50   FLOW DEPTH(FEET) =   3.52
  TRAVEL TIME(MIN.) =   2.06   Tc(MIN.) =  16.15
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6310.00 =  4544.00 FEET.

 ****************************************************************************
  FLOW PROCESS FROM NODE   6309.00 TO NODE   6310.00 IS CODE =  81
 ----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
 ============================================================================
  MAINLINE Tc(MIN) =  16.15
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.171
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
```

```
  "GRASS"                    B        0.70      0.30      1.00    69
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      B        7.80      0.30      1.00    63
  NATURAL FAIR COVER
  "GRASS"                    C        6.00      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.60      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C       19.40      0.25      1.00    75
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      D        0.90      0.20      1.00    81
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   35.40      SUBAREA RUNOFF(CFS) =   92.71
  EFFECTIVE AREA(ACRES) =    141.40   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    141.40       PEAK FLOW RATE(CFS) =     372.50

****************************************************************************
  FLOW PROCESS FROM NODE   6310.00 TO NODE   6311.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    432.00  DOWNSTREAM(FEET) =    382.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1847.00   CHANNEL SLOPE =  0.0271
  CHANNEL BASE(FEET) =    5.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   5.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    372.50
  FLOW VELOCITY(FEET/SEC.) =  10.37   FLOW DEPTH(FEET) =   3.99
  TRAVEL TIME(MIN.) =   2.97   Tc(MIN.) =  19.12
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6311.00 =  6391.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6310.00 TO NODE   6311.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  19.12
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.877
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A        4.90      0.40      1.00    78
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           A        0.60      0.40      1.00    49
  NATURAL FAIR COVER
  "GRASS"                     B        1.90      0.30      1.00    69
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        0.10      0.30      1.00    69
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        2.00      0.30      1.00    63
  NATURAL FAIR COVER
  "GRASS"                     C        2.70      0.25      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.33
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   12.20      SUBAREA RUNOFF(CFS) =   27.92
  EFFECTIVE AREA(ACRES) =    153.60   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    153.60       PEAK FLOW RATE(CFS) =     372.50
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6310.00 TO NODE   6311.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  19.12
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.877
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        0.40      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        5.00      0.25      1.00    75
  NATURAL FAIR COVER
  "GRASS"                     D        0.20      0.20      1.00    84
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        1.20      0.20      1.00    84
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        2.20      0.20      1.00    81
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    9.00      SUBAREA RUNOFF(CFS) =   21.44
  EFFECTIVE AREA(ACRES) =    162.60   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    162.60       PEAK FLOW RATE(CFS) =     384.50

****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =  19.12
  RAINFALL INTENSITY(INCH/HR) =   2.88
  AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25
  AREA-AVERAGED Ap =  1.00
  EFFECTIVE STREAM AREA(ACRES) =   162.60
  TOTAL STREAM AREA(ACRES) =   162.60
  PEAK FLOW RATE(CFS) AT CONFLUENCE =    384.50

  ** CONFLUENCE DATA **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
      1   7549.97  38.96    1.911  0.30( 0.19) 0.64  4878.0     780.00
      2    384.50  19.12    2.877  0.25( 0.25) 1.00   162.6    6300.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
      1   6172.14  19.12    2.877  0.30( 0.20) 0.66  2557.2    6300.00
      2   7793.13  38.96    1.911  0.30( 0.19) 0.65  5040.6     780.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =   7793.13    Tc(MIN.) =    38.96
  EFFECTIVE AREA(ACRES) =  5040.60   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =   5040.60
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6311.00 =  6391.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    382.00  DOWNSTREAM(FEET) =    375.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1141.00   CHANNEL SLOPE =  0.0061
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   7793.13
  FLOW VELOCITY(FEET/SEC.) =  12.50   FLOW DEPTH(FEET) =  14.12
  TRAVEL TIME(MIN.) =   1.52   Tc(MIN.) =  40.48
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6330.00 =  7532.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  40.48
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.869
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A       13.20      0.40      1.00    78
  AGRICULTURAL FAIR COVER
```

```
  "PASTURE,DRYLAND"          A        0.90      0.40      1.00    49
  NATURAL FAIR COVER
  "WOODLAND"                 A        0.60      0.40      1.00    36
  NATURAL POOR COVER
  "BARREN"                   B        4.60      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                    B        8.40      0.30      1.00    69
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          B        3.60      0.30      1.00    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.35
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   31.30     SUBAREA RUNOFF(CFS) =   42.87
  EFFECTIVE AREA(ACRES) =   5071.90   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =   5071.90       PEAK FLOW RATE(CFS) =    7793.13
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  40.48
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.869
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      B        0.60      0.30      1.00    63
  NATURAL POOR COVER
  "BARREN"                   C        0.20      0.25      1.00    91
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        5.80      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          C        2.60      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        6.90      0.25      1.00    75
  NATURAL FAIR COVER
  "WOODLAND"                 C        0.20      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   16.30     SUBAREA RUNOFF(CFS) =   23.72
  EFFECTIVE AREA(ACRES) =   5088.20   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =   5088.20       PEAK FLOW RATE(CFS) =    7793.13
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  40.48
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.869
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    D        1.30      0.20      1.00    84
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          D        1.30      0.20      1.00    84
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      D       10.50      0.20      1.00    81
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   13.10     SUBAREA RUNOFF(CFS) =   19.68
  EFFECTIVE AREA(ACRES) =   5101.30   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =   5101.30       PEAK FLOW RATE(CFS) =    7793.13
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  40.48
  RAINFALL INTENSITY(INCH/HR) =   1.87
  AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.30
  AREA-AVERAGED Ap =  0.65
  EFFECTIVE STREAM AREA(ACRES) =  5101.30
  TOTAL STREAM AREA(ACRES) =  5101.30
  PEAK FLOW RATE(CFS) AT CONFLUENCE =   7793.13

****************************************************************************
  FLOW PROCESS FROM NODE   6320.00 TO NODE   6321.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   305.00
  ELEVATION DATA: UPSTREAM(FEET) =    715.00  DOWNSTREAM(FEET) =    660.00

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    9.802
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.219
  SUBAREA Tc AND LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.20      0.25      1.00    77    9.80
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          C        0.30      0.25      1.00    79    9.80
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          D        0.30      0.20      1.00    84    9.80
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA RUNOFF(CFS) =      2.87
  TOTAL AREA(ACRES) =      0.80   PEAK FLOW RATE(CFS) =      2.87

****************************************************************************
  FLOW PROCESS FROM NODE   6321.00 TO NODE   6322.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    660.00  DOWNSTREAM(FEET) =    650.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   148.00   CHANNEL SLOPE =  0.0676
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      2.87
  FLOW VELOCITY(FEET/SEC.) =   4.27   FLOW DEPTH(FEET) =   0.46
  TRAVEL TIME(MIN.) =   0.58   Tc(MIN.) =  10.38
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6322.00 =   453.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6321.00 TO NODE   6322.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.38
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.084
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.40      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          C        0.60      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        0.20      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          D        0.80      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    2.00     SUBAREA RUNOFF(CFS) =    6.95
  EFFECTIVE AREA(ACRES) =      2.80   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      2.80       PEAK FLOW RATE(CFS) =       9.72

****************************************************************************
  FLOW PROCESS FROM NODE   6322.00 TO NODE   6323.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
```

```
==========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    650.00  DOWNSTREAM(FEET) =    620.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   262.00   CHANNEL SLOPE =  0.1145
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      9.72
  FLOW VELOCITY(FEET/SEC.) =   7.16   FLOW DEPTH(FEET) =   0.77
  TRAVEL TIME(MIN.) =   0.61   Tc(MIN.) =  10.99
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6323.00 =   715.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6322.00 TO NODE   6323.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.99
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.962
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.80      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        0.60      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.30      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        1.30      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     3.00      SUBAREA RUNOFF(CFS) =   10.09
  EFFECTIVE AREA(ACRES) =      5.80   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      5.80       PEAK FLOW RATE(CFS) =      19.51

****************************************************************************
  FLOW PROCESS FROM NODE   6323.00 TO NODE   6324.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    620.00  DOWNSTREAM(FEET) =    610.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   193.00   CHANNEL SLOPE =  0.0518
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     19.51
  FLOW VELOCITY(FEET/SEC.) =   6.23   FLOW DEPTH(FEET) =   1.03
  TRAVEL TIME(MIN.) =   0.52   Tc(MIN.) =  11.51
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6324.00 =   908.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6323.00 TO NODE   6324.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  11.51
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.859
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.30      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        1.50      0.25      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     2.80      SUBAREA RUNOFF(CFS) =    9.09
  EFFECTIVE AREA(ACRES) =      8.60   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      8.60       PEAK FLOW RATE(CFS) =      28.06

****************************************************************************
  FLOW PROCESS FROM NODE   6324.00 TO NODE   6325.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    610.00  DOWNSTREAM(FEET) =    580.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   384.00   CHANNEL SLOPE =  0.0781
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     28.06
  FLOW VELOCITY(FEET/SEC.) =   7.99   FLOW DEPTH(FEET) =   1.12
  TRAVEL TIME(MIN.) =   0.80   Tc(MIN.) =  12.31
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6325.00 =  1292.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6324.00 TO NODE   6325.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  12.31
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.699
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.20      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        0.70      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        2.90      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        3.20      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                  C        0.20      0.25      1.00    73
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        1.10      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     8.30      SUBAREA RUNOFF(CFS) =   25.77
  EFFECTIVE AREA(ACRES) =     16.90   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     16.90       PEAK FLOW RATE(CFS) =      52.59

****************************************************************************
  FLOW PROCESS FROM NODE   6324.00 TO NODE   6325.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  12.31
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.699
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        0.50      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =     0.50      SUBAREA RUNOFF(CFS) =    1.57
  EFFECTIVE AREA(ACRES) =     17.40   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =     17.40       PEAK FLOW RATE(CFS) =      54.17

****************************************************************************
  FLOW PROCESS FROM NODE   6325.00 TO NODE   6326.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    580.00  DOWNSTREAM(FEET) =    530.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   805.00   CHANNEL SLOPE =  0.0621
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     54.17
  FLOW VELOCITY(FEET/SEC.) =   8.74   FLOW DEPTH(FEET) =   1.68
  TRAVEL TIME(MIN.) =   1.54   Tc(MIN.) =  13.84
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6326.00 =  2097.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6325.00 TO NODE   6326.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  13.84
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.467
  SUBAREA LOSS RATE DATA(AMC  II):
```

```
    DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
   NATURAL FAIR COVER
   "OPEN BRUSH"               B        0.20      0.30      1.00    66
   AGRICULTURAL FAIR COVER
   "PASTURE,DRYLAND"          B        6.10      0.30      1.00    69
   AGRICULTURAL FAIR COVER
   "PASTURE,DRYLAND"          C        4.60      0.25      1.00    79
   NATURAL FAIR COVER
   "OPEN BRUSH"               D        2.80      0.20      1.00    83
   AGRICULTURAL FAIR COVER
   "PASTURE,DRYLAND"          D        2.40      0.20      1.00    84
   SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
   SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
   SUBAREA AREA(ACRES) =   16.10      SUBAREA RUNOFF(CFS) =   46.56
   EFFECTIVE AREA(ACRES) =     33.50   AREA-AVERAGED Fm(INCH/HR) =  0.25
   AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
   TOTAL AREA(ACRES) =     33.50       PEAK FLOW RATE(CFS) =      97.09

 ****************************************************************************
   FLOW PROCESS FROM NODE   6326.00 TO NODE   6327.00 IS CODE =  51
 ----------------------------------------------------------------------------
   >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
   >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
 ============================================================================
   ELEVATION DATA: UPSTREAM(FEET) =    530.00  DOWNSTREAM(FEET) =    490.00
   CHANNEL LENGTH THRU SUBAREA(FEET) =   946.00   CHANNEL SLOPE =  0.0423
   CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
   MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
   CHANNEL FLOW THRU SUBAREA(CFS) =     97.09
   FLOW VELOCITY(FEET/SEC.) =   8.73   FLOW DEPTH(FEET) =   2.16
   TRAVEL TIME(MIN.) =   1.81   Tc(MIN.) =  15.65
   LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6327.00 =  3043.00 FEET.

 ****************************************************************************
   FLOW PROCESS FROM NODE   6326.00 TO NODE   6327.00 IS CODE =  81
 ----------------------------------------------------------------------------
   >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
 ============================================================================
   MAINLINE Tc(MIN) =  15.65
   * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.227
   SUBAREA LOSS RATE DATA(AMC  II):
    DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
   AGRICULTURAL FAIR COVER
   "PASTURE,DRYLAND"          B        3.70      0.30      1.00    69
   NATURAL FAIR COVER
   "WOODLAND"                 B        0.70      0.30      1.00    60
   AGRICULTURAL FAIR COVER
   "PASTURE,DRYLAND"          C        0.40      0.25      1.00    79
   NATURAL FAIR COVER
   "OPEN BRUSH"               D        2.30      0.20      1.00    83
   AGRICULTURAL FAIR COVER
   "PASTURE,DRYLAND"          D       15.10      0.20      1.00    84
   NATURAL FAIR COVER
   "WOODLAND"                 D        0.70      0.20      1.00    79
   SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
   SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
   SUBAREA AREA(ACRES) =   22.90      SUBAREA RUNOFF(CFS) =   61.98
   EFFECTIVE AREA(ACRES) =     56.40   AREA-AVERAGED Fm(INCH/HR) =  0.24
   AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
   TOTAL AREA(ACRES) =     56.40       PEAK FLOW RATE(CFS) =     151.86

 ****************************************************************************
   FLOW PROCESS FROM NODE   6327.00 TO NODE   6328.00 IS CODE =  51
 ----------------------------------------------------------------------------
   >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
   >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
 ============================================================================
   ELEVATION DATA: UPSTREAM(FEET) =    490.00  DOWNSTREAM(FEET) =    470.00
   CHANNEL LENGTH THRU SUBAREA(FEET) =   938.00   CHANNEL SLOPE =  0.0213
   CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
   MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
   CHANNEL FLOW THRU SUBAREA(CFS) =    151.86
   FLOW VELOCITY(FEET/SEC.) =   7.55   FLOW DEPTH(FEET) =   2.91
   TRAVEL TIME(MIN.) =   2.07   Tc(MIN.) =  17.72
   LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6328.00 =  3981.00 FEET.

 ****************************************************************************
   FLOW PROCESS FROM NODE   6327.00 TO NODE   6328.00 IS CODE =  81
 ----------------------------------------------------------------------------
   >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
 ============================================================================
   MAINLINE Tc(MIN) =  17.72
   * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.001
   SUBAREA LOSS RATE DATA(AMC  II):
    DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
   NATURAL FAIR COVER
   "OPEN BRUSH"               B        1.10      0.30      1.00    66
   AGRICULTURAL FAIR COVER
   "PASTURE,DRYLAND"          B       14.40      0.30      1.00    69
   NATURAL FAIR COVER
   "WOODLAND"                 B        0.90      0.30      1.00    60
   NATURAL FAIR COVER
   "OPEN BRUSH"               C        5.50      0.25      1.00    77
   AGRICULTURAL FAIR COVER
   "PASTURE,DRYLAND"          C        1.10      0.25      1.00    79
   NATURAL FAIR COVER
   "GRASS"                    D        0.40      0.20      1.00    84
   SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
   SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
   SUBAREA AREA(ACRES) =   23.40      SUBAREA RUNOFF(CFS) =   57.21
   EFFECTIVE AREA(ACRES) =     79.80   AREA-AVERAGED Fm(INCH/HR) =  0.25
   AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
   TOTAL AREA(ACRES) =     79.80       PEAK FLOW RATE(CFS) =     197.57

 ****************************************************************************
   FLOW PROCESS FROM NODE   6327.00 TO NODE   6328.00 IS CODE =  81
 ----------------------------------------------------------------------------
   >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
 ============================================================================
   MAINLINE Tc(MIN) =  17.72
   * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.001
   SUBAREA LOSS RATE DATA(AMC  II):
    DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
   NATURAL FAIR COVER
   "OPEN BRUSH"               D        6.60      0.20      1.00    83
   AGRICULTURAL FAIR COVER
   "PASTURE,DRYLAND"          D       27.30      0.20      1.00    84
   NATURAL FAIR COVER
   "WOODLAND"                 D        0.20      0.20      1.00    79
   SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
   SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
   SUBAREA AREA(ACRES) =   34.10      SUBAREA RUNOFF(CFS) =   85.96
   EFFECTIVE AREA(ACRES) =    113.90   AREA-AVERAGED Fm(INCH/HR) =  0.23
   AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  1.00
   TOTAL AREA(ACRES) =    113.90       PEAK FLOW RATE(CFS) =     283.53

 ****************************************************************************
   FLOW PROCESS FROM NODE   6328.00 TO NODE   6329.00 IS CODE =  51
 ----------------------------------------------------------------------------
   >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
   >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
 ============================================================================
   ELEVATION DATA: UPSTREAM(FEET) =    470.00  DOWNSTREAM(FEET) =    405.00
   CHANNEL LENGTH THRU SUBAREA(FEET) =  1687.00   CHANNEL SLOPE =  0.0385
   CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
   MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
   CHANNEL FLOW THRU SUBAREA(CFS) =    283.53
   FLOW VELOCITY(FEET/SEC.) =  11.05   FLOW DEPTH(FEET) =   3.45
   TRAVEL TIME(MIN.) =   2.54   Tc(MIN.) =  20.26
   LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6329.00 =  5668.00 FEET.

 ****************************************************************************
   FLOW PROCESS FROM NODE   6328.00 TO NODE   6329.00 IS CODE =  81
 ----------------------------------------------------------------------------
   >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
 ============================================================================
   MAINLINE Tc(MIN) =  20.26
   * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.780
   SUBAREA LOSS RATE DATA(AMC  II):
    DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
   NATURAL FAIR COVER
   "OPEN BRUSH"               A        0.20      0.40      1.00    46
   AGRICULTURAL FAIR COVER
```

```
  "PASTURE,DRYLAND"          A        0.10      0.40      1.00    49
  NATURAL FAIR COVER
  "WOODLAND"                 A        0.40      0.40      1.00    36
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        2.50      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          B        6.40      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.80      0.30      1.00    60
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.31
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   10.40      SUBAREA RUNOFF(CFS) =   23.15
  EFFECTIVE AREA(ACRES) =    124.30   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    124.30       PEAK FLOW RATE(CFS) =     284.05

****************************************************************************
  FLOW PROCESS FROM NODE   6328.00 TO NODE   6329.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  20.26
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.780
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C       15.00      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        0.20      0.25      1.00    79
  NATURAL FAIR COVER
  "GRASS"                     D        0.20      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        4.80      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        2.70      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                  D        2.00      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   24.90      SUBAREA RUNOFF(CFS) =   57.14
  EFFECTIVE AREA(ACRES) =    149.20   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    149.20       PEAK FLOW RATE(CFS) =     341.19

****************************************************************************
  FLOW PROCESS FROM NODE   6329.00 TO NODE   6330.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    405.00  DOWNSTREAM(FEET) =    375.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1040.00   CHANNEL SLOPE =  0.0288
  CHANNEL BASE(FEET) =    5.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   5.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    341.19
  FLOW VELOCITY(FEET/SEC.) =  10.36   FLOW DEPTH(FEET) =   3.76
  TRAVEL TIME(MIN.) =   1.67   Tc(MIN.) =  21.93
  LONGEST FLOWPATH FROM NODE   6320.00 TO NODE   6330.00 =  6708.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6329.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  21.93
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.653
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A        0.10      0.40      1.00    78
  NATURAL FAIR COVER
  "OPEN BRUSH"                A        1.10      0.40      1.00    46
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           A        4.10      0.40      1.00    49
  NATURAL FAIR COVER
  "WOODLAND"                  A        0.50      0.40      1.00    36
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        2.20      0.30      1.00    63
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        3.80      0.30      1.00    66
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.35
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   11.80      SUBAREA RUNOFF(CFS) =   24.47
  EFFECTIVE AREA(ACRES) =    161.00   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    161.00       PEAK FLOW RATE(CFS) =     348.59

****************************************************************************
  FLOW PROCESS FROM NODE   6329.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  21.93
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.653
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        3.30      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        1.30      0.30      1.00    60
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        2.60      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        0.10      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D       36.50      0.20      1.00    81
  NATURAL FAIR COVER
  "GRASS"                     D        2.50      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.21
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   46.30      SUBAREA RUNOFF(CFS) =  101.68
  EFFECTIVE AREA(ACRES) =    207.30   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =    207.30       PEAK FLOW RATE(CFS) =     450.27

****************************************************************************
  FLOW PROCESS FROM NODE   6329.00 TO NODE   6330.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  21.93
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.653
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                D       17.70      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        4.50      0.20      1.00    84
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"        D        7.20      0.20      0.60    75
  NATURAL FAIR COVER
  "WOODLAND"                  D        3.30      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.91
  SUBAREA AREA(ACRES) =   32.70      SUBAREA RUNOFF(CFS) =   72.71
  EFFECTIVE AREA(ACRES) =    240.00   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  0.99
  TOTAL AREA(ACRES) =    240.00       PEAK FLOW RATE(CFS) =     522.98

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =  21.93
  RAINFALL INTENSITY(INCH/HR) =   2.65
  AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.23
  AREA-AVERAGED Ap =  0.99
  EFFECTIVE STREAM AREA(ACRES) =   240.00
  TOTAL STREAM AREA(ACRES) =   240.00
```

```
  PEAK FLOW RATE(CFS) AT CONFLUENCE =    522.98

  ** CONFLUENCE DATA **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)        (ACRES)    NODE
      1   6172.14  20.75    2.743  0.29( 0.20) 0.67  2617.9    6300.00
      1   7793.13  40.48    1.869  0.30( 0.19) 0.65  5101.3     780.00
      2    522.98  21.93    2.653  0.23( 0.23) 0.99   240.0    6320.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)        (ACRES)    NODE
      1   6685.24  20.75    2.743  0.29( 0.20) 0.69  2844.9    6300.00
      2   6792.67  21.93    2.653  0.29( 0.20) 0.69  3007.3    6320.00
      3   8146.77  40.48    1.869  0.29( 0.20) 0.67  5341.3     780.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =   8146.77    Tc(MIN.) =    40.48
  EFFECTIVE AREA(ACRES) =  5341.30   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.67
  TOTAL AREA(ACRES) =   5341.30
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6330.00 =  7532.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6331.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    375.00  DOWNSTREAM(FEET) =    360.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1470.00   CHANNEL SLOPE =  0.0102
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8146.77
  FLOW VELOCITY(FEET/SEC.) =  15.22   FLOW DEPTH(FEET) =  12.58
  TRAVEL TIME(MIN.) =   1.61   Tc(MIN.) =  42.09
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6331.00 =  9002.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6331.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  42.09
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.832
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A        0.40      0.40      1.00    78
  NATURAL FAIR COVER
  "WOODLAND"                  A        0.70      0.40      1.00    36
  NATURAL POOR COVER
  "BARREN"                    B       18.00      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                     B        4.00      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.90      0.30      1.00    66
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        2.30      0.30      1.00    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.30
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   26.30      SUBAREA RUNOFF(CFS) =   36.16
  EFFECTIVE AREA(ACRES) =   5367.60   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.67
  TOTAL AREA(ACRES) =   5367.60       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6331.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  42.09
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.832
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        0.40      0.30      1.00    63
  NATURAL FAIR COVER
  "WOODLAND"                  B        3.70      0.30      1.00    60
  NATURAL FAIR COVER
  "GRASS"                     C        1.10      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        3.20      0.25      1.00    75
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        7.20      0.20      1.00    81
  NATURAL FAIR COVER
  "GRASS"                     D        5.70      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   21.30      SUBAREA RUNOFF(CFS) =   30.72
  EFFECTIVE AREA(ACRES) =   5388.90   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.67
  TOTAL AREA(ACRES) =   5388.90       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6331.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  42.09
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.832
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                D       12.00      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        3.30      0.20      1.00    84
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"        D        0.70      0.20      0.60    75
  NATURAL FAIR COVER
  "WOODLAND"                  D        2.90      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.99
  SUBAREA AREA(ACRES) =   18.90      SUBAREA RUNOFF(CFS) =   27.81
  EFFECTIVE AREA(ACRES) =   5407.80   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.67
  TOTAL AREA(ACRES) =   5407.80       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6331.00 TO NODE   6332.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    360.00  DOWNSTREAM(FEET) =    355.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   724.00   CHANNEL SLOPE =  0.0069
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8146.77
  FLOW VELOCITY(FEET/SEC.) =  13.21   FLOW DEPTH(FEET) =  14.01
  TRAVEL TIME(MIN.) =   0.91   Tc(MIN.) =  43.00
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6332.00 =  9726.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6331.00 TO NODE   6332.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  43.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.811
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    B       13.40      0.30      1.00    86
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        2.00      0.30      1.00    66
  AGRICULTURAL FAIR COVER
```

```
  "PASTURE,DRYLAND"          B        4.30      0.30      1.00    69
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B        2.00      0.30      0.60    56
  NATURAL FAIR COVER
  "WOODLAND"                 B        1.20      0.30      1.00    60
  NATURAL FAIR COVER
  "GRASS"                    D        1.70      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.29
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.97
  SUBAREA AREA(ACRES) =   24.60      SUBAREA RUNOFF(CFS) =   33.82
  EFFECTIVE AREA(ACRES) =   5432.40   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.67
  TOTAL AREA(ACRES) =   5432.40       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6331.00 TO NODE   6332.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  43.00
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.811
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        7.90      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        7.30      0.20      1.00    84
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.60      0.20      1.00    81
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"        D       16.00      0.20      0.60    75
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.50      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.80
  SUBAREA AREA(ACRES) =   32.30      SUBAREA RUNOFF(CFS) =   47.98
  EFFECTIVE AREA(ACRES) =   5464.70   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5464.70       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6332.00 TO NODE   6333.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    355.00  DOWNSTREAM(FEET) =    350.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   875.00   CHANNEL SLOPE =  0.0057
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8146.77
  FLOW VELOCITY(FEET/SEC.) =  12.33   FLOW DEPTH(FEET) =  14.76
  TRAVEL TIME(MIN.) =   1.18   Tc(MIN.) =  44.19
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6333.00 = 10601.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6332.00 TO NODE   6333.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  44.19
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.784
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A        7.10      0.40      1.00    78
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           A        2.20      0.40      1.00    49
  NATURAL POOR COVER
  "BARREN"                    B       10.90      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                     B        3.10      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        1.10      0.30      1.00    66
  AGRICULTURAL FAIR COVER
```

```
  "PASTURE,DRYLAND"          B        4.20      0.30      1.00    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.33
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   28.60      SUBAREA RUNOFF(CFS) =   37.35
  EFFECTIVE AREA(ACRES) =   5493.30   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5493.30       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6332.00 TO NODE   6333.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  44.19
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.784
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        5.10      0.30      1.00    63
  NATURAL FAIR COVER
  "WOODLAND"                  B        1.40      0.30      1.00    60
  NATURAL FAIR COVER
  "GRASS"                     C        8.60      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        6.30      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        3.40      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C       14.70      0.25      1.00    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   39.50      SUBAREA RUNOFF(CFS) =   54.23
  EFFECTIVE AREA(ACRES) =   5532.80   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5532.80       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6332.00 TO NODE   6333.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  44.19
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.784
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     D        8.00      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.80      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        0.90      0.20      1.00    84
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        9.10      0.20      1.00    81
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   20.80      SUBAREA RUNOFF(CFS) =   29.65
  EFFECTIVE AREA(ACRES) =   5553.60   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5553.60       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6333.00 TO NODE   6334.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    350.00  DOWNSTREAM(FEET) =    342.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1171.00   CHANNEL SLOPE =  0.0068
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8146.77
  FLOW VELOCITY(FEET/SEC.) =  13.16   FLOW DEPTH(FEET) =  14.05
  TRAVEL TIME(MIN.) =   1.48   Tc(MIN.) =  45.67
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6334.00 = 11772.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE   6333.00 TO NODE   6334.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  45.67
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.750
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   A        8.20      0.40      1.00    78
  NATURAL FAIR COVER
  "WOODLAND"                 A        0.70      0.40      1.00    36
  NATURAL POOR COVER
  "BARREN"                   B        5.50      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                    B        1.10      0.30      1.00    69
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          B        0.90      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.20      0.30      1.00    60
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.35
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   16.60      SUBAREA RUNOFF(CFS) =   20.86
  EFFECTIVE AREA(ACRES) =   5570.20   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5570.20       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6333.00 TO NODE   6334.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  45.67
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.750
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    C        1.60      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        7.00      0.25      1.00    77
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          C        1.90      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        0.90      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   11.40      SUBAREA RUNOFF(CFS) =   15.43
  EFFECTIVE AREA(ACRES) =   5581.60   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5581.60       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6334.00 TO NODE   6355.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    342.00  DOWNSTREAM(FEET) =    314.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1846.00   CHANNEL SLOPE =  0.0152
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8146.77
  FLOW VELOCITY(FEET/SEC.) =  17.54   FLOW DEPTH(FEET) =  11.26
  TRAVEL TIME(MIN.) =   1.75   Tc(MIN.) =  47.42
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6355.00 = 13618.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6334.00 TO NODE   6355.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  47.42
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.709
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   A        8.00      0.40      1.00    78
  NATURAL FAIR COVER
  "WOODLAND"                 A        0.40      0.40      1.00    36
  NATURAL POOR COVER
  "BARREN"                   B        0.70      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                    B        1.50      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        0.20      0.30      1.00    66
  NATURAL FAIR COVER
  "WOODLAND"                 B        1.10      0.30      1.00    60
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.37
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   11.90      SUBAREA RUNOFF(CFS) =   14.34
  EFFECTIVE AREA(ACRES) =   5593.50   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5593.50       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6334.00 TO NODE   6355.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  47.42
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.709
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   C        7.60      0.25      1.00    91
  NATURAL FAIR COVER
  "GRASS"                    C        1.30      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        4.40      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                 C        2.90      0.25      1.00    73
  NATURAL FAIR COVER
  "GRASS"                    D        0.50      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        0.90      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   17.60      SUBAREA RUNOFF(CFS) =   23.18
  EFFECTIVE AREA(ACRES) =   5611.10   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5611.10       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6334.00 TO NODE   6355.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  47.42
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.709
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "WOODLAND"                 D        0.10      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    0.10      SUBAREA RUNOFF(CFS) =    0.14
  EFFECTIVE AREA(ACRES) =   5611.20   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =   5611.20       PEAK FLOW RATE(CFS) =    8146.77
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
```

```
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  47.42
  RAINFALL INTENSITY(INCH/HR) =   1.71
  AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29
  AREA-AVERAGED Ap =  0.68
  EFFECTIVE STREAM AREA(ACRES) =  5611.20
  TOTAL STREAM AREA(ACRES) =  5611.20
  PEAK FLOW RATE(CFS) AT CONFLUENCE =   8146.77

****************************************************************************
  FLOW PROCESS FROM NODE   6340.00 TO NODE   6341.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   303.00
  ELEVATION DATA: UPSTREAM(FEET) =    769.00  DOWNSTREAM(FEET) =    695.00

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    9.201
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.397
  SUBAREA Tc AND LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.00      0.25      1.00    77    9.20
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA RUNOFF(CFS) =      3.73
  TOTAL AREA(ACRES) =      1.00   PEAK FLOW RATE(CFS) =      3.73

****************************************************************************
  FLOW PROCESS FROM NODE   6341.00 TO NODE   6342.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    695.00  DOWNSTREAM(FEET) =    665.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   167.00   CHANNEL SLOPE =  0.1796
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      3.73
  FLOW VELOCITY(FEET/SEC.) =   6.51   FLOW DEPTH(FEET) =   0.41
  TRAVEL TIME(MIN.) =   0.43   Tc(MIN.) =   9.63
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6342.00 =   470.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6341.00 TO NODE   6342.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   9.63
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.270
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.30      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        0.60      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    0.90      SUBAREA RUNOFF(CFS) =    3.26
  EFFECTIVE AREA(ACRES) =      1.90   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      1.90       PEAK FLOW RATE(CFS) =       6.87

****************************************************************************
  FLOW PROCESS FROM NODE   6342.00 TO NODE   6343.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    665.00  DOWNSTREAM(FEET) =    645.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   110.00   CHANNEL SLOPE =  0.1818
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      6.87
  FLOW VELOCITY(FEET/SEC.) =   7.73   FLOW DEPTH(FEET) =   0.57
  TRAVEL TIME(MIN.) =   0.24   Tc(MIN.) =   9.87
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6343.00 =   580.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6342.00 TO NODE   6343.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   9.87
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.200
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.40      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        0.60      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    1.00      SUBAREA RUNOFF(CFS) =    3.55
  EFFECTIVE AREA(ACRES) =      2.90   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      2.90       PEAK FLOW RATE(CFS) =      10.31

****************************************************************************
  FLOW PROCESS FROM NODE   6343.00 TO NODE   6344.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    645.00  DOWNSTREAM(FEET) =    630.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   152.00   CHANNEL SLOPE =  0.0987
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     10.31
  FLOW VELOCITY(FEET/SEC.) =   6.89   FLOW DEPTH(FEET) =   0.82
  TRAVEL TIME(MIN.) =   0.37   Tc(MIN.) =  10.23
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6344.00 =   732.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6343.00 TO NODE   6344.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  10.23
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.113
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     C        0.80      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.40      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        1.00      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    3.20      SUBAREA RUNOFF(CFS) =   11.13
  EFFECTIVE AREA(ACRES) =      6.10   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
  TOTAL AREA(ACRES) =      6.10       PEAK FLOW RATE(CFS) =      21.21

****************************************************************************
  FLOW PROCESS FROM NODE   6344.00 TO NODE   6345.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    630.00  DOWNSTREAM(FEET) =    600.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   329.00   CHANNEL SLOPE =  0.0912
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     21.21
  FLOW VELOCITY(FEET/SEC.) =   7.83   FLOW DEPTH(FEET) =   0.93
  TRAVEL TIME(MIN.) =   0.70   Tc(MIN.) =  10.93
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6345.00 =  1061.00 FEET.

****************************************************************************
```

```
 FLOW PROCESS FROM NODE   6344.00 TO NODE   6345.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  10.93
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.973
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "GRASS"                     C        2.10      0.25      1.00    79
 NATURAL FAIR COVER
 "OPEN BRUSH"                C        4.70      0.25      1.00    77
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"       C        0.20      0.25      1.00    75
 NATURAL FAIR COVER
 "OPEN BRUSH"                D        0.10      0.20      1.00    83
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =    7.10      SUBAREA RUNOFF(CFS) =   23.80
 EFFECTIVE AREA(ACRES) =     13.20   AREA-AVERAGED Fm(INCH/HR) =  0.25
 AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
 TOTAL AREA(ACRES) =     13.20       PEAK FLOW RATE(CFS) =      44.24

****************************************************************************
 FLOW PROCESS FROM NODE   6345.00 TO NODE   6346.00 IS CODE =  51
----------------------------------------------------------------------------
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    600.00  DOWNSTREAM(FEET) =    585.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =   297.00   CHANNEL SLOPE =  0.0505
 CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
 MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   2.00
 CHANNEL FLOW THRU SUBAREA(CFS) =     44.24
 FLOW VELOCITY(FEET/SEC.) =   7.68   FLOW DEPTH(FEET) =   1.60
 TRAVEL TIME(MIN.) =   0.64   Tc(MIN.) =  11.58
 LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6346.00 =  1358.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE   6345.00 TO NODE   6346.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  11.58
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.845
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "GRASS"                     C        5.20      0.25      1.00    79
 NATURAL FAIR COVER
 "OPEN BRUSH"                C        2.00      0.25      1.00    77
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"       C        0.20      0.25      1.00    75
 NATURAL FAIR COVER
 "WOODLAND"                  C        3.00      0.25      1.00    73
 NATURAL FAIR COVER
 "OPEN BRUSH"                D        0.20      0.20      1.00    83
 NATURAL FAIR COVER
 "WOODLAND"                  D        0.10      0.20      1.00    79
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   10.70      SUBAREA RUNOFF(CFS) =   34.63
 EFFECTIVE AREA(ACRES) =     23.90   AREA-AVERAGED Fm(INCH/HR) =  0.25
 AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
 TOTAL AREA(ACRES) =     23.90       PEAK FLOW RATE(CFS) =      77.34

****************************************************************************
 FLOW PROCESS FROM NODE   6346.00 TO NODE   6347.00 IS CODE =  51
----------------------------------------------------------------------------
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    585.00  DOWNSTREAM(FEET) =    540.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =   903.00   CHANNEL SLOPE =  0.0498
 CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
 MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
 CHANNEL FLOW THRU SUBAREA(CFS) =     77.34
 FLOW VELOCITY(FEET/SEC.) =   8.72   FLOW DEPTH(FEET) =   1.83
 TRAVEL TIME(MIN.) =   1.73   Tc(MIN.) =  13.30
 LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6347.00 =  2261.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE   6346.00 TO NODE   6347.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  13.30
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.544
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "GRASS"                     C       10.40      0.25      1.00    79
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"       C        6.10      0.25      1.00    75
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   16.50      SUBAREA RUNOFF(CFS) =   48.92
 EFFECTIVE AREA(ACRES) =     40.40   AREA-AVERAGED Fm(INCH/HR) =  0.25
 AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  1.00
 TOTAL AREA(ACRES) =     40.40       PEAK FLOW RATE(CFS) =     119.80

****************************************************************************
 FLOW PROCESS FROM NODE   6347.00 TO NODE   6348.00 IS CODE =  51
----------------------------------------------------------------------------
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    540.00  DOWNSTREAM(FEET) =    500.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =   905.00   CHANNEL SLOPE =  0.0442
 CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
 MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
 CHANNEL FLOW THRU SUBAREA(CFS) =    119.80
 FLOW VELOCITY(FEET/SEC.) =   9.37   FLOW DEPTH(FEET) =   2.38
 TRAVEL TIME(MIN.) =   1.61   Tc(MIN.) =  14.91
 LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6348.00 =  3166.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE   6347.00 TO NODE   6348.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  14.91
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.313
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 RESIDENTIAL
 "5-7 DWELLINGS/ACRE"        B        0.20      0.30      0.50    56
 NATURAL FAIR COVER
 "GRASS"                     B        2.50      0.30      1.00    69
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"       B        4.40      0.30      1.00    63
 RESIDENTIAL
 "5-7 DWELLINGS/ACRE"        C        1.00      0.25      0.50    69
 NATURAL FAIR COVER
 "GRASS"                     C        5.70      0.25      1.00    79
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"       C       19.30      0.25      1.00    75
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.98
 SUBAREA AREA(ACRES) =   33.10      SUBAREA RUNOFF(CFS) =   91.06
 EFFECTIVE AREA(ACRES) =     73.50   AREA-AVERAGED Fm(INCH/HR) =  0.25
 AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.99
 TOTAL AREA(ACRES) =     73.50       PEAK FLOW RATE(CFS) =     202.43

****************************************************************************
 FLOW PROCESS FROM NODE   6348.00 TO NODE   6349.00 IS CODE =  51
----------------------------------------------------------------------------
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    500.00  DOWNSTREAM(FEET) =    470.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =   844.00   CHANNEL SLOPE =  0.0355
 CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
```

```
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    202.43
  FLOW VELOCITY(FEET/SEC.) =   9.84   FLOW DEPTH(FEET) =   2.96
  TRAVEL TIME(MIN.) =   1.43   Tc(MIN.) =  16.34
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6349.00 =  4010.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6348.00 TO NODE   6349.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  16.34
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.150
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       B        1.20      0.30      0.50    56
  NATURAL FAIR COVER
  "GRASS"                    B        3.20      0.30      1.00    69
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       C        1.10      0.25      0.50    69
  NATURAL FAIR COVER
  "GRASS"                    C        2.90      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        2.00      0.25      1.00    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.27
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.89
  SUBAREA AREA(ACRES) =   10.40     SUBAREA RUNOFF(CFS) =   27.23
  EFFECTIVE AREA(ACRES) =     83.90   AREA-AVERAGED Fm(INCH/HR) =  0.25
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  0.98
  TOTAL AREA(ACRES) =     83.90       PEAK FLOW RATE(CFS) =     218.88

****************************************************************************
  FLOW PROCESS FROM NODE   6349.00 TO NODE   6350.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    470.00  DOWNSTREAM(FEET) =    445.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   667.00   CHANNEL SLOPE =  0.0375
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    218.88
  FLOW VELOCITY(FEET/SEC.) =  10.23   FLOW DEPTH(FEET) =   3.04
  TRAVEL TIME(MIN.) =   1.09   Tc(MIN.) =  17.43
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6350.00 =  4677.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6349.00 TO NODE   6350.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  17.43
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.028
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       B        4.80      0.30      0.50    56
  NATURAL FAIR COVER
  "GRASS"                    B        1.20      0.30      1.00    69
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       C        1.90      0.25      0.50    69
  NATURAL FAIR COVER
  "GRASS"                    C        2.20      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        1.00      0.25      1.00    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.27
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.70
  SUBAREA AREA(ACRES) =   11.10     SUBAREA RUNOFF(CFS) =   28.34
  EFFECTIVE AREA(ACRES) =     95.00   AREA-AVERAGED Fm(INCH/HR) =  0.24
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  0.95
  TOTAL AREA(ACRES) =     95.00       PEAK FLOW RATE(CFS) =     238.04

****************************************************************************
  FLOW PROCESS FROM NODE   6350.00 TO NODE   6351.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    445.00  DOWNSTREAM(FEET) =    385.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1346.00   CHANNEL SLOPE =  0.0446
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    238.04
  FLOW VELOCITY(FEET/SEC.) =  11.16   FLOW DEPTH(FEET) =   3.03
  TRAVEL TIME(MIN.) =   2.01   Tc(MIN.) =  19.44
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6351.00 =  6023.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6350.00 TO NODE   6351.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  19.44
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.849
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       B        4.30      0.30      0.50    56
  NATURAL FAIR COVER
  "GRASS"                    B        0.30      0.30      1.00    69
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       C        7.80      0.25      0.50    69
  NATURAL FAIR COVER
  "GRASS"                    C       12.40      0.25      1.00    79
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"          C        0.20      0.25      1.00    79
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        1.80      0.25      1.00    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.77
  SUBAREA AREA(ACRES) =   26.80     SUBAREA RUNOFF(CFS) =   63.95
  EFFECTIVE AREA(ACRES) =    121.80   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  0.91
  TOTAL AREA(ACRES) =    121.80       PEAK FLOW RATE(CFS) =     286.71

****************************************************************************
  FLOW PROCESS FROM NODE   6350.00 TO NODE   6351.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  19.44
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.849
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    D        0.70      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    0.70     SUBAREA RUNOFF(CFS) =    1.67
  EFFECTIVE AREA(ACRES) =    122.50   AREA-AVERAGED Fm(INCH/HR) =  0.23
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  0.91
  TOTAL AREA(ACRES) =    122.50       PEAK FLOW RATE(CFS) =     288.38

****************************************************************************
  FLOW PROCESS FROM NODE   6351.00 TO NODE   6352.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    385.00  DOWNSTREAM(FEET) =    382.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   184.00   CHANNEL SLOPE =  0.0163
  CHANNEL BASE(FEET) =    5.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   5.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    288.38
  FLOW VELOCITY(FEET/SEC.) =   8.03   FLOW DEPTH(FEET) =   3.99
  TRAVEL TIME(MIN.) =   0.38   Tc(MIN.) =  19.82
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6352.00 =  6207.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6351.00 TO NODE   6352.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
```

```
  MAINLINE Tc(MIN) =  19.82
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.816
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"        B       13.40      0.30      0.50    56
  NATURAL POOR COVER
  "BARREN"                    B        0.70      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                     B        0.60      0.30      1.00    69
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        0.40      0.30      1.00    69
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        1.30      0.25      1.00    75
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"        C       58.60      0.25      0.50    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.52
  SUBAREA AREA(ACRES) =   75.00      SUBAREA RUNOFF(CFS) =  180.91
  EFFECTIVE AREA(ACRES) =    197.50   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  0.76
  TOTAL AREA(ACRES) =    197.50       PEAK FLOW RATE(CFS) =     465.58

****************************************************************************
  FLOW PROCESS FROM NODE   6351.00 TO NODE   6352.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  19.82
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.816
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     C        4.80      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        6.00      0.25      1.00    77
  NATURAL FAIR COVER
  "CHAPARRAL,NARROWLEAF"      C        5.60      0.25      1.00    81
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           C        0.10      0.25      1.00    79
  NATURAL FAIR COVER
  "WOODLAND"                  C        0.10      0.25      1.00    73
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        2.70      0.20      1.00    81
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   19.30      SUBAREA RUNOFF(CFS) =   44.69
  EFFECTIVE AREA(ACRES) =    216.80   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  0.78
  TOTAL AREA(ACRES) =    216.80       PEAK FLOW RATE(CFS) =     510.27

****************************************************************************
  FLOW PROCESS FROM NODE   6351.00 TO NODE   6352.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  19.82
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.816
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  AGRICULTURAL POOR COVER
  "FALLOW"                    D        0.40      0.20      1.00    94
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"        D       28.70      0.20      0.50    75
  NATURAL FAIR COVER
  "GRASS"                     D        3.80      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        3.00      0.20      1.00    83
  NATURAL FAIR COVER
  "CHAPARRAL,NARROWLEAF"      D        0.90      0.20      1.00    86
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.20      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.61
  SUBAREA AREA(ACRES) =   37.00      SUBAREA RUNOFF(CFS) =   89.69
  EFFECTIVE AREA(ACRES) =    253.80   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.76
  TOTAL AREA(ACRES) =    253.80       PEAK FLOW RATE(CFS) =     599.95

****************************************************************************
  FLOW PROCESS FROM NODE   6352.00 TO NODE   6353.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    382.00  DOWNSTREAM(FEET) =    340.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1695.00   CHANNEL SLOPE =  0.0248
  CHANNEL BASE(FEET) =    6.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   6.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    599.95
  FLOW VELOCITY(FEET/SEC.) =  11.28   FLOW DEPTH(FEET) =   4.89
  TRAVEL TIME(MIN.) =   2.50   Tc(MIN.) =  22.33
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6353.00 =  7902.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6352.00 TO NODE   6353.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  22.33
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.623
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    A        3.20      0.40      1.00    78
  NATURAL GOOD COVER
  "MEADOWS"                   A        0.40      0.40      1.00    30
  AGRICULTURAL POOR COVER
  "FALLOW"                    B        0.40      0.30      1.00    86
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"        B        4.10      0.30      0.50    56
  NATURAL POOR COVER
  "BARREN"                    B       12.40      0.30      1.00    86
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.30      0.30      1.00    66
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.32
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.90
  SUBAREA AREA(ACRES) =   20.80      SUBAREA RUNOFF(CFS) =   43.72
  EFFECTIVE AREA(ACRES) =    274.60   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  0.77
  TOTAL AREA(ACRES) =    274.60       PEAK FLOW RATE(CFS) =     599.95
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6352.00 TO NODE   6353.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  22.33
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.623
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"        B        4.70      0.30      0.20    56
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           B        0.20      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        0.20      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       C        2.00      0.25      1.00    75
  AGRICULTURAL POOR COVER
  "FALLOW"                    C        2.20      0.25      1.00    91
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"        C       22.30      0.25      0.50    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.53
  SUBAREA AREA(ACRES) =   31.60      SUBAREA RUNOFF(CFS) =   70.79
  EFFECTIVE AREA(ACRES) =    306.20   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  0.74
  TOTAL AREA(ACRES) =    306.20       PEAK FLOW RATE(CFS) =     670.50

****************************************************************************
```

```
 FLOW PROCESS FROM NODE   6352.00 TO NODE   6353.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  22.33
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.623
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "OPEN BRUSH"                C        1.20      0.25      1.00    77
 NATURAL GOOD COVER
 "MEADOWS"                   C        0.40      0.25      1.00    71
 RESIDENTIAL
 "11+ DWELLINGS/ACRE"        C       12.00      0.25      0.20    69
 NATURAL FAIR COVER
 "CHAPARRAL,NARROWLEAF"      C        0.60      0.25      1.00    81
 AGRICULTURAL FAIR COVER
 "PASTURE,DRYLAND"           C        0.10      0.25      1.00    79
 NATURAL FAIR COVER
 "WOODLAND"                  C        0.20      0.25      1.00    73
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.34
 SUBAREA AREA(ACRES) =   14.50      SUBAREA RUNOFF(CFS) =   33.13
 EFFECTIVE AREA(ACRES) =    320.70   AREA-AVERAGED Fm(INCH/HR) =  0.19
 AREA-AVERAGED Fp(INCH/HR) =  0.26  AREA-AVERAGED Ap =  0.73
 TOTAL AREA(ACRES) =    320.70       PEAK FLOW RATE(CFS) =     703.63

****************************************************************************
 FLOW PROCESS FROM NODE   6352.00 TO NODE   6353.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  22.33
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.623
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"       D        1.30      0.20      1.00    81
 AGRICULTURAL POOR COVER
 "FALLOW"                    D        3.30      0.20      1.00    94
 RESIDENTIAL
 "5-7 DWELLINGS/ACRE"        D       22.60      0.20      0.50    75
 NATURAL POOR COVER
 "BARREN"                    D        0.10      0.20      1.00    93
 NATURAL FAIR COVER
 "OPEN BRUSH"                D        1.20      0.20      1.00    83
 RESIDENTIAL
 "11+ DWELLINGS/ACRE"        D       16.90      0.20      0.20    75
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.45
 SUBAREA AREA(ACRES) =   45.40      SUBAREA RUNOFF(CFS) =  103.48
 EFFECTIVE AREA(ACRES) =    366.10   AREA-AVERAGED Fm(INCH/HR) =  0.17
 AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.69
 TOTAL AREA(ACRES) =    366.10       PEAK FLOW RATE(CFS) =     807.11

****************************************************************************
 FLOW PROCESS FROM NODE   6352.00 TO NODE   6353.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  22.33
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.623
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "CHAPARRAL,NARROWLEAF"      D        1.10      0.20      1.00    86
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =    1.10      SUBAREA RUNOFF(CFS) =    2.40
 EFFECTIVE AREA(ACRES) =    367.20   AREA-AVERAGED Fm(INCH/HR) =  0.17
 AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.69
 TOTAL AREA(ACRES) =    367.20       PEAK FLOW RATE(CFS) =     809.51

****************************************************************************
 FLOW PROCESS FROM NODE   6353.00 TO NODE   6354.00 IS CODE =  51
----------------------------------------------------------------------------
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```
 >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
 >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =    340.00  DOWNSTREAM(FEET) =    335.00
 CHANNEL LENGTH THRU SUBAREA(FEET) =   728.00   CHANNEL SLOPE =  0.0069
 CHANNEL BASE(FEET) =    8.00   "Z" FACTOR =   1.000
 MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   8.00
 CHANNEL FLOW THRU SUBAREA(CFS) =    809.51
 FLOW VELOCITY(FEET/SEC.) =   7.53   FLOW DEPTH(FEET) =   7.11
 TRAVEL TIME(MIN.) =   1.61   Tc(MIN.) =  23.94
 LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6354.00 =  8630.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE   6353.00 TO NODE   6354.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  23.94
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.524
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL POOR COVER
 "BARREN"                    A        0.60      0.40      1.00    78
 AGRICULTURAL POOR COVER
 "FALLOW"                    B        1.80      0.30      1.00    86
 NATURAL POOR COVER
 "BARREN"                    B        4.80      0.30      1.00    86
 NATURAL FAIR COVER
 "WOODLAND"                  B        0.30      0.30      1.00    60
 AGRICULTURAL POOR COVER
 "FALLOW"                    C        5.80      0.25      1.00    91
 NATURAL FAIR COVER
 "CHAPARRAL,BROADLEAF"       C        0.90      0.25      1.00    75
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   14.20      SUBAREA RUNOFF(CFS) =   28.67
 EFFECTIVE AREA(ACRES) =    381.40   AREA-AVERAGED Fm(INCH/HR) =  0.18
 AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.70
 TOTAL AREA(ACRES) =    381.40       PEAK FLOW RATE(CFS) =     809.51
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE   6353.00 TO NODE   6354.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  23.94
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.524
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
      LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL POOR COVER
 "BARREN"                    C        3.60      0.25      1.00    91
 NATURAL FAIR COVER
 "GRASS"                     C        0.90      0.25      1.00    79
 NATURAL FAIR COVER
 "OPEN BRUSH"                C        3.60      0.25      1.00    77
 NATURAL GOOD COVER
 "MEADOWS"                   C        3.60      0.25      1.00    71
 NATURAL FAIR COVER
 "WOODLAND"                  C        1.20      0.25      1.00    73
 AGRICULTURAL POOR COVER
 "FALLOW"                    D        5.60      0.20      1.00    94
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
 SUBAREA AREA(ACRES) =   18.50      SUBAREA RUNOFF(CFS) =   38.11
 EFFECTIVE AREA(ACRES) =    399.90   AREA-AVERAGED Fm(INCH/HR) =  0.18
 AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.72
 TOTAL AREA(ACRES) =    399.90       PEAK FLOW RATE(CFS) =     843.41

****************************************************************************
 FLOW PROCESS FROM NODE   6353.00 TO NODE   6354.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  23.94
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.524
 SUBAREA LOSS RATE DATA(AMC  II):
```

```
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       D        0.40      0.20       1.00    81
  NATURAL POOR COVER
  "BARREN"                    D        0.60      0.20       1.00    93
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        1.90      0.20       1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    2.90      SUBAREA RUNOFF(CFS) =    6.07
  EFFECTIVE AREA(ACRES) =    402.80   AREA-AVERAGED Fm(INCH/HR) =  0.18
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.72
  TOTAL AREA(ACRES) =    402.80       PEAK FLOW RATE(CFS) =     849.48

****************************************************************************
  FLOW PROCESS FROM NODE   6354.00 TO NODE   6355.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    335.00  DOWNSTREAM(FEET) =    314.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   857.00   CHANNEL SLOPE =  0.0245
  CHANNEL BASE(FEET) =    8.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   8.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    849.48
  FLOW VELOCITY(FEET/SEC.) =  12.21   FLOW DEPTH(FEET) =   5.25
  TRAVEL TIME(MIN.) =   1.17   Tc(MIN.) =  25.11
  LONGEST FLOWPATH FROM NODE   6340.00 TO NODE   6355.00 =  9487.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6354.00 TO NODE   6355.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  25.11
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.454
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                    B        8.60      0.30       1.00    86
  NATURAL FAIR COVER
  "OPEN BRUSH"                B        0.90      0.30       1.00    66
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"        B        3.10      0.30       0.60    56
  NATURAL POOR COVER
  "BARREN"                    C        3.20      0.25       1.00    91
  NATURAL FAIR COVER
  "GRASS"                     C        1.80      0.25       1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.40      0.25       1.00    77
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.93
  SUBAREA AREA(ACRES) =   19.00      SUBAREA RUNOFF(CFS) =   37.46
  EFFECTIVE AREA(ACRES) =    421.80   AREA-AVERAGED Fm(INCH/HR) =  0.18
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.73
  TOTAL AREA(ACRES) =    421.80       PEAK FLOW RATE(CFS) =     861.80

****************************************************************************
  FLOW PROCESS FROM NODE   6354.00 TO NODE   6355.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  25.11
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.454
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"        C        2.70      0.25       0.60    69
  AGRICULTURAL POOR COVER
  "FALLOW"                    D        1.40      0.20       1.00    94
  NATURAL POOR COVER
  "BARREN"                    D        1.10      0.20       1.00    93
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        1.00      0.20       1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.83
  SUBAREA AREA(ACRES) =    6.20      SUBAREA RUNOFF(CFS) =   12.70
  EFFECTIVE AREA(ACRES) =    428.00   AREA-AVERAGED Fm(INCH/HR) =  0.18
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.73
  TOTAL AREA(ACRES) =    428.00       PEAK FLOW RATE(CFS) =     874.50

****************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =  25.11
  RAINFALL INTENSITY(INCH/HR) =   2.45
  AREA-AVERAGED Fm(INCH/HR) =  0.18
  AREA-AVERAGED Fp(INCH/HR) =  0.25
  AREA-AVERAGED Ap =  0.73
  EFFECTIVE STREAM AREA(ACRES) =   428.00
  TOTAL STREAM AREA(ACRES) =   428.00
  PEAK FLOW RATE(CFS) AT CONFLUENCE =    874.50

  ** CONFLUENCE DATA **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)        (ACRES)    NODE
      1   6685.24  28.08    2.304  0.29( 0.21) 0.72  3114.8    6300.00
      1   6792.67  29.24    2.254  0.29( 0.20) 0.72  3277.2    6320.00
      1   8146.77  47.42    1.709  0.29( 0.20) 0.68  5611.2     780.00
      2    874.50  25.11    2.454  0.25( 0.18) 0.73   428.0    6340.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)        (ACRES)    NODE
      1   7278.61  25.11    2.454  0.28( 0.20) 0.72  3212.7    6340.00
      2   7501.92  28.08    2.304  0.28( 0.20) 0.72  3542.8    6300.00
      3   7589.78  29.24    2.254  0.28( 0.20) 0.72  3705.2    6320.00
      4   8734.25  47.42    1.709  0.29( 0.20) 0.69  6039.2     780.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =   8734.25    Tc(MIN.) =    47.42
  EFFECTIVE AREA(ACRES) =  6039.20   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6039.20
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6355.00 = 13618.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6356.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    314.00  DOWNSTREAM(FEET) =    280.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1554.00   CHANNEL SLOPE =  0.0219
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8734.25
  FLOW VELOCITY(FEET/SEC.) =  20.40   FLOW DEPTH(FEET) =  10.56
  TRAVEL TIME(MIN.) =   1.27   Tc(MIN.) =  48.69
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6356.00 = 15172.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6356.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  48.69
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.680
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap      SCS
        LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"       B        0.20      0.30       1.00    63
  NATURAL POOR COVER
  "BARREN"                    B       10.80      0.30       1.00    86
  NATURAL FAIR COVER
  "GRASS"                     B        3.10      0.30       1.00    69
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```
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B        4.70      0.30      0.60    56
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.90      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        3.20      0.25      1.00    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.29
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.92
  SUBAREA AREA(ACRES) =   22.90      SUBAREA RUNOFF(CFS) =   29.10
  EFFECTIVE AREA(ACRES) =   6062.10   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6062.10       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6356.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  48.69
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.680
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   C        7.30      0.25      1.00    91
  NATURAL FAIR COVER
  "GRASS"                    C        6.60      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        2.90      0.25      1.00    77
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        3.30      0.25      0.60    69
  NATURAL FAIR COVER
  "WOODLAND"                 C        5.30      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.95
  SUBAREA AREA(ACRES) =   25.40      SUBAREA RUNOFF(CFS) =   32.99
  EFFECTIVE AREA(ACRES) =   6087.50   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6087.50       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6356.00 TO NODE   6357.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    280.00  DOWNSTREAM(FEET) =    270.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   921.00   CHANNEL SLOPE =  0.0109
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8734.25
  FLOW VELOCITY(FEET/SEC.) =  15.87   FLOW DEPTH(FEET) =  12.85
  TRAVEL TIME(MIN.) =   0.97   Tc(MIN.) =  49.66
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6357.00 = 16093.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6356.00 TO NODE   6357.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  49.66
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.658
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   B        8.80      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                    B        0.90      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        0.30      0.30      1.00    66
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B       10.20      0.30      0.60    56
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        1.10      0.25      1.00    75
  NATURAL POOR COVER
  "BARREN"                   C        5.90      0.25      1.00    91
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.85
  SUBAREA AREA(ACRES) =   27.20      SUBAREA RUNOFF(CFS) =   34.66
  EFFECTIVE AREA(ACRES) =   6114.70   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6114.70       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6356.00 TO NODE   6357.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  49.66
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.658
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    C        5.20      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        1.90      0.25      1.00    77
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        4.00      0.25      0.60    69
  NATURAL FAIR COVER
  "WOODLAND"                 C        1.20      0.25      1.00    73
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D        0.30      0.20      0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.86
  SUBAREA AREA(ACRES) =   12.60      SUBAREA RUNOFF(CFS) =   16.36
  EFFECTIVE AREA(ACRES) =   6127.30   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6127.30       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6357.00 TO NODE   6358.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    270.00  DOWNSTREAM(FEET) =    255.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1018.00   CHANNEL SLOPE =  0.0147
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8734.25
  FLOW VELOCITY(FEET/SEC.) =  17.71   FLOW DEPTH(FEET) =  11.80
  TRAVEL TIME(MIN.) =   0.96   Tc(MIN.) =  50.62
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6358.00 = 17111.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6357.00 TO NODE   6358.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  50.62
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.640
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE           GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   B        4.90      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                    B        2.90      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        0.80      0.30      1.00    66
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B        5.30      0.30      0.60    56
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.40      0.30      1.00    60
  NATURAL FAIR COVER
  "CHAPARRAL,BROADLEAF"      C        0.10      0.25      1.00    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.30
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.85
  SUBAREA AREA(ACRES) =   14.40      SUBAREA RUNOFF(CFS) =   17.95
  EFFECTIVE AREA(ACRES) =   6141.70   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
```

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  TOTAL AREA(ACRES) =   6141.70       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6357.00 TO NODE   6358.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  50.62
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.640
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   C        7.10      0.25      1.00    91
  NATURAL FAIR COVER
  "GRASS"                    C        4.00      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        5.70      0.25      1.00    77
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        1.00      0.25      0.60    69
  NATURAL FAIR COVER
  "WOODLAND"                 C        2.40      0.25      1.00    73
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D        0.90      0.20      0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.96
  SUBAREA AREA(ACRES) =   21.10      SUBAREA RUNOFF(CFS) =   26.59
  EFFECTIVE AREA(ACRES) =   6162.80   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6162.80       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6358.00 TO NODE   6359.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    255.00  DOWNSTREAM(FEET) =    245.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   916.00   CHANNEL SLOPE =  0.0109
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8734.25
  FLOW VELOCITY(FEET/SEC.) =  15.90   FLOW DEPTH(FEET) =  12.83
  TRAVEL TIME(MIN.) =   0.96   Tc(MIN.) =  51.58
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6359.00 = 18027.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6358.00 TO NODE   6359.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  51.58
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.625
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   B        1.50      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                    B        1.80      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        0.20      0.30      1.00    66
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B        1.80      0.30      0.60    56
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.30      0.30      1.00    60
  NATURAL POOR COVER
  "BARREN"                   C        4.10      0.25      1.00    91
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.93
  SUBAREA AREA(ACRES) =    9.70      SUBAREA RUNOFF(CFS) =   11.94
  EFFECTIVE AREA(ACRES) =   6172.50   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6172.50       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
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```
  FLOW PROCESS FROM NODE   6358.00 TO NODE   6359.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  51.58
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.625
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    C        6.10      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C       11.40      0.25      1.00    77
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        1.90      0.25      0.60    69
  NATURAL FAIR COVER
  "WOODLAND"                 C        0.90      0.25      1.00    73
  NATURAL POOR COVER
  "BARREN"                   D        0.90      0.20      1.00    93
  NATURAL FAIR COVER
  "GRASS"                    D        4.10      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.97
  SUBAREA AREA(ACRES) =   25.30      SUBAREA RUNOFF(CFS) =   31.70
  EFFECTIVE AREA(ACRES) =   6197.80   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6197.80       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6358.00 TO NODE   6359.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  51.58
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.625
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D        0.10      0.20      0.60    75
  NATURAL FAIR COVER
  "WOODLAND"                 D        0.40      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.92
  SUBAREA AREA(ACRES) =    0.50      SUBAREA RUNOFF(CFS) =    0.65
  EFFECTIVE AREA(ACRES) =   6198.30   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6198.30       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6359.00 TO NODE   6371.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    245.00  DOWNSTREAM(FEET) =    220.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1510.00   CHANNEL SLOPE =  0.0166
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   8734.25
  FLOW VELOCITY(FEET/SEC.) =  18.47   FLOW DEPTH(FEET) =  11.42
  TRAVEL TIME(MIN.) =   1.36   Tc(MIN.) =  52.94
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6371.00 = 19537.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6359.00 TO NODE   6371.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  52.94
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.603
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   B        1.30      0.30      1.00    86
  NATURAL FAIR COVER
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  "GRASS"                    B        0.20      0.30      1.00    69
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        0.20      0.30      1.00    66
  NATURAL FAIR COVER
  "WOODLAND"                 B        4.00      0.30      1.00    60
  NATURAL FAIR COVER
  "GRASS"                    C        4.30      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        2.30      0.25      1.00    77
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.27
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =   12.30     SUBAREA RUNOFF(CFS) =   14.72
  EFFECTIVE AREA(ACRES) =   6210.60   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6210.60       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6359.00 TO NODE   6371.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  52.94
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.603
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        0.20      0.25      0.60    69
  NATURAL FAIR COVER
  "GRASS"                    D       10.30      0.20      1.00    84
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.99
  SUBAREA AREA(ACRES) =   10.50     SUBAREA RUNOFF(CFS) =   13.27
  EFFECTIVE AREA(ACRES) =   6221.10   AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29  AREA-AVERAGED Ap =  0.69
  TOTAL AREA(ACRES) =   6221.10       PEAK FLOW RATE(CFS) =    8734.25
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  52.94
  RAINFALL INTENSITY(INCH/HR) =   1.60
  AREA-AVERAGED Fm(INCH/HR) =  0.20
  AREA-AVERAGED Fp(INCH/HR) =  0.29
  AREA-AVERAGED Ap =  0.69
  EFFECTIVE STREAM AREA(ACRES) =  6221.10
  TOTAL STREAM AREA(ACRES) =  6221.10
  PEAK FLOW RATE(CFS) AT CONFLUENCE =   8734.25

****************************************************************************
  FLOW PROCESS FROM NODE   6360.00 TO NODE   6361.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   286.00
  ELEVATION DATA: UPSTREAM(FEET) =    695.00  DOWNSTREAM(FEET) =    690.00

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    6.992
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.162
  SUBAREA Tc AND LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       C        0.20      0.25      0.20    69    6.99
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.20
  SUBAREA RUNOFF(CFS) =      0.92
  TOTAL AREA(ACRES) =      0.20   PEAK FLOW RATE(CFS) =      0.92

****************************************************************************
  FLOW PROCESS FROM NODE   6361.00 TO NODE   6362.00 IS CODE =  61
```

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----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STANDARD CURB SECTION USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  690.00  DOWNSTREAM ELEVATION(FEET) =  670.00
  STREET LENGTH(FEET) =   389.00   CURB HEIGHT(INCHES) =  8.0
  STREET HALFWIDTH(FEET) = 40.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =  20.00
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0150
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0200

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =       1.74
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.25
    HALFSTREET FLOOD WIDTH(FEET) =    4.71
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    4.23
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    1.07
  STREET FLOW TRAVEL TIME(MIN.) =   1.53   Tc(MIN.) =   8.52
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.597
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       C        0.40      0.25      0.20    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.20
  SUBAREA AREA(ACRES) =    0.40     SUBAREA RUNOFF(CFS) =    1.64
  EFFECTIVE AREA(ACRES) =      0.60    AREA-AVERAGED Fm(INCH/HR) =  0.05
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.20
  TOTAL AREA(ACRES) =      0.60       PEAK FLOW RATE(CFS) =       2.46

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.28   HALFSTREET FLOOD WIDTH(FEET) =   6.04
  FLOW VELOCITY(FEET/SEC.) =  4.43   DEPTH*VELOCITY(FT*FT/SEC.) =   1.24
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6362.00 =   675.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6362.00 TO NODE   6363.00 IS CODE =  61
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STANDARD CURB SECTION USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  670.00  DOWNSTREAM ELEVATION(FEET) =  660.00
  STREET LENGTH(FEET) =   198.00   CURB HEIGHT(INCHES) =  8.0
  STREET HALFWIDTH(FEET) = 40.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =  20.00
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0150
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0200

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      10.94
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.42
    HALFSTREET FLOOD WIDTH(FEET) =   12.86
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    5.93
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    2.46
  STREET FLOW TRAVEL TIME(MIN.) =   0.56   Tc(MIN.) =   9.08
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.432
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       C        4.30      0.25      0.20    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.20
  SUBAREA AREA(ACRES) =    4.30     SUBAREA RUNOFF(CFS) =   16.96
  EFFECTIVE AREA(ACRES) =      4.90    AREA-AVERAGED Fm(INCH/HR) =  0.05
```

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  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.20
  TOTAL AREA(ACRES) =      4.90        PEAK FLOW RATE(CFS) =      19.33

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.48   HALFSTREET FLOOD WIDTH(FEET) =  16.31
  FLOW VELOCITY(FEET/SEC.) =  6.78   DEPTH*VELOCITY(FT*FT/SEC.) =   3.29
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6363.00 =   873.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6363.00 TO NODE   6364.00 IS CODE =  61
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STANDARD CURB SECTION USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  660.00  DOWNSTREAM ELEVATION(FEET) =  635.00
  STREET LENGTH(FEET) =   512.00   CURB HEIGHT(INCHES) =  8.0
  STREET HALFWIDTH(FEET) = 40.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =  20.00
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0150
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0200

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      26.08
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.53
    HALFSTREET FLOOD WIDTH(FEET) =   18.49
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    7.23
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    3.82
  STREET FLOW TRAVEL TIME(MIN.) =   1.18   Tc(MIN.) =  10.26
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.108
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       C        3.70      0.25      0.20    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.20
  SUBAREA AREA(ACRES) =    3.70      SUBAREA RUNOFF(CFS) =   13.51
  EFFECTIVE AREA(ACRES) =      8.60    AREA-AVERAGED Fm(INCH/HR) =  0.05
  AREA-AVERAGED Fp(INCH/HR) =  0.25  AREA-AVERAGED Ap =  0.20
  TOTAL AREA(ACRES) =      8.60        PEAK FLOW RATE(CFS) =      31.41

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.56   HALFSTREET FLOOD WIDTH(FEET) =  19.89
  FLOW VELOCITY(FEET/SEC.) =  7.57   DEPTH*VELOCITY(FT*FT/SEC.) =   4.21
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6364.00 =  1385.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6364.00 TO NODE   6365.00 IS CODE =  61
----------------------------------------------------------------------------
  >>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>(STANDARD CURB SECTION USED)<<<<<
============================================================================
  UPSTREAM ELEVATION(FEET) =  635.00  DOWNSTREAM ELEVATION(FEET) =  590.00
  STREET LENGTH(FEET) =   881.00   CURB HEIGHT(INCHES) =  8.0
  STREET HALFWIDTH(FEET) = 40.00

  DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =  20.00
  INSIDE STREET CROSSFALL(DECIMAL) =  0.020
  OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.020

  SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
  STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
  Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0150
  Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0200

    **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      46.12
    STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
    STREET FLOW DEPTH(FEET) =  0.62
    HALFSTREET FLOOD WIDTH(FEET) =   23.01
    AVERAGE FLOW VELOCITY(FEET/SEC.) =    8.41
    PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    5.20
  STREET FLOW TRAVEL TIME(MIN.) =   1.75   Tc(MIN.) =  12.01
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.759
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       C        7.00      0.25      0.20    69
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       D        1.80      0.20      0.20    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.20
  SUBAREA AREA(ACRES) =    8.80      SUBAREA RUNOFF(CFS) =   29.39
  EFFECTIVE AREA(ACRES) =     17.40    AREA-AVERAGED Fm(INCH/HR) =  0.05
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  0.20
  TOTAL AREA(ACRES) =     17.40        PEAK FLOW RATE(CFS) =      58.10

  END OF SUBAREA STREET FLOW HYDRAULICS:
  DEPTH(FEET) = 0.66   HALFSTREET FLOOD WIDTH(FEET) =  25.12
  FLOW VELOCITY(FEET/SEC.) =  8.94   DEPTH*VELOCITY(FT*FT/SEC.) =   5.91
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6365.00 =  2266.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6365.00 TO NODE   6366.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   590.00  DOWNSTREAM(FEET) =   528.00
  FLOW LENGTH(FEET) =  1287.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  27.0 INCH PIPE IS  20.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  18.36
  ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =     58.10
  PIPE TRAVEL TIME(MIN.) =   1.17    Tc(MIN.) =  13.17
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6366.00 =  3553.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6365.00 TO NODE   6366.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  13.17
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.563
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       C        3.50      0.25      0.20    69
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       D        5.50      0.20      0.20    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.20
  SUBAREA AREA(ACRES) =    9.00      SUBAREA RUNOFF(CFS) =   28.50
  EFFECTIVE AREA(ACRES) =     26.40   AREA-AVERAGED Fm(INCH/HR) =  0.05
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  0.20
  TOTAL AREA(ACRES) =     26.40        PEAK FLOW RATE(CFS) =      83.53

****************************************************************************
  FLOW PROCESS FROM NODE   6366.00 TO NODE   6367.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   528.00  DOWNSTREAM(FEET) =   490.00
  FLOW LENGTH(FEET) =  1574.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  36.0 INCH PIPE IS  25.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  15.61
  ESTIMATED PIPE DIAMETER(INCH) =  36.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =     83.53
  PIPE TRAVEL TIME(MIN.) =   1.68    Tc(MIN.) =  14.86
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6367.00 =  5127.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6366.00 TO NODE   6367.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  14.86
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.321
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
```

```
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       C       12.40      0.25       0.20    69
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        2.10      0.25       0.60    69
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       D        8.90      0.20       0.20    75
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D        3.90      0.20       0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.29
  SUBAREA AREA(ACRES) =   27.30     SUBAREA RUNOFF(CFS) =   80.01
  EFFECTIVE AREA(ACRES) =     53.70   AREA-AVERAGED Fm(INCH/HR) =  0.06
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  0.24
  TOTAL AREA(ACRES) =     53.70       PEAK FLOW RATE(CFS) =     157.79

****************************************************************************
  FLOW PROCESS FROM NODE   6367.00 TO NODE   6368.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   490.00  DOWNSTREAM(FEET) =   460.00
  FLOW LENGTH(FEET) =   615.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  39.0 INCH PIPE IS  29.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  23.64
  ESTIMATED PIPE DIAMETER(INCH) =  39.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =    157.79
  PIPE TRAVEL TIME(MIN.) =   0.43    Tc(MIN.) =  15.29
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6368.00 =  5742.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6367.00 TO NODE   6368.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  15.29
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.268
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        3.40      0.25       0.60    69
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D        7.00      0.20       0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.22
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.60
  SUBAREA AREA(ACRES) =   10.40     SUBAREA RUNOFF(CFS) =   29.37
  EFFECTIVE AREA(ACRES) =     64.10   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  0.30
  TOTAL AREA(ACRES) =     64.10       PEAK FLOW RATE(CFS) =     184.59

****************************************************************************
  FLOW PROCESS FROM NODE   6368.00 TO NODE   6369.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   460.00  DOWNSTREAM(FEET) =   400.00
  FLOW LENGTH(FEET) =  1577.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  42.0 INCH PIPE IS  34.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  22.06
  ESTIMATED PIPE DIAMETER(INCH) =  42.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =    184.59
  PIPE TRAVEL TIME(MIN.) =   1.19    Tc(MIN.) =  16.48
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6369.00 =  7319.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6368.00 TO NODE   6369.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  16.48
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.134
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       A        1.90      0.40       0.20    32
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       B        0.30      0.30       0.20    56
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B        0.20      0.30       0.60    56
  NATURAL FAIR COVER
  "GRASS"                    C        0.90      0.25       1.00    79
  COMMERCIAL                 C        0.20      0.25       0.10    69
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       C       92.20      0.25       0.20    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.25
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.21
  SUBAREA AREA(ACRES) =   95.70     SUBAREA RUNOFF(CFS) =  265.41
  EFFECTIVE AREA(ACRES) =    159.80   AREA-AVERAGED Fm(INCH/HR) =  0.06
  AREA-AVERAGED Fp(INCH/HR) =  0.24  AREA-AVERAGED Ap =  0.25
  TOTAL AREA(ACRES) =    159.80       PEAK FLOW RATE(CFS) =     442.30

****************************************************************************
  FLOW PROCESS FROM NODE   6368.00 TO NODE   6369.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  16.48
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.134
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        9.80      0.25       0.60    69
  NATURAL FAIR COVER
  "GRASS"                    D        0.70      0.20       1.00    84
  COMMERCIAL                 D        0.30      0.20       0.10    75
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       D      113.50      0.20       0.20    75
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D       61.60      0.20       0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.36
  SUBAREA AREA(ACRES) =  185.90     SUBAREA RUNOFF(CFS) =  512.19
  EFFECTIVE AREA(ACRES) =    345.70   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  0.31
  TOTAL AREA(ACRES) =    345.70       PEAK FLOW RATE(CFS) =     954.49

****************************************************************************
  FLOW PROCESS FROM NODE   6369.00 TO NODE   6370.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   400.00  DOWNSTREAM(FEET) =   344.00
  FLOW LENGTH(FEET) =  2352.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  87.0 INCH PIPE IS  66.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  28.25
  ESTIMATED PIPE DIAMETER(INCH) =  87.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =    954.49
  PIPE TRAVEL TIME(MIN.) =   1.39    Tc(MIN.) =  17.87
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6370.00 =  9671.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6369.00 TO NODE   6370.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  17.87
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.988
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       B        1.00      0.30       0.50    56
  NATURAL FAIR COVER
  "OPEN BRUSH"               B        0.10      0.30       1.00    66
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       B       22.40      0.30       0.20    56
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B       25.40      0.30       0.60    56
  AGRICULTURAL POOR COVER
  "FALLOW"                   C        0.20      0.25       1.00    91
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       C        3.50      0.25       0.50    69
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  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.30
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.42
  SUBAREA AREA(ACRES) =   52.60      SUBAREA RUNOFF(CFS) =  135.51
  EFFECTIVE AREA(ACRES) =    398.30   AREA-AVERAGED Fm(INCH/HR) =  0.07
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  0.32
  TOTAL AREA(ACRES) =    398.30       PEAK FLOW RATE(CFS) =    1044.40

****************************************************************************
  FLOW PROCESS FROM NODE   6369.00 TO NODE   6370.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  17.87
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.988
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.70      0.25      1.00    77
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       C       66.90      0.25      0.20    69
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C       93.40      0.25      0.60    69
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       D       34.30      0.20      0.50    75
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        0.20      0.20      1.00    83
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       D       78.80      0.20      0.20    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.38
  SUBAREA AREA(ACRES) =  274.30      SUBAREA RUNOFF(CFS) =  715.82
  EFFECTIVE AREA(ACRES) =    672.60   AREA-AVERAGED Fm(INCH/HR) =  0.08
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  0.34
  TOTAL AREA(ACRES) =    672.60       PEAK FLOW RATE(CFS) =    1760.22

****************************************************************************
  FLOW PROCESS FROM NODE   6369.00 TO NODE   6370.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  17.87
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.988
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D       24.10      0.20      0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.60
  SUBAREA AREA(ACRES) =   24.10      SUBAREA RUNOFF(CFS) =   62.20
  EFFECTIVE AREA(ACRES) =    696.70   AREA-AVERAGED Fm(INCH/HR) =  0.08
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  0.35
  TOTAL AREA(ACRES) =    696.70       PEAK FLOW RATE(CFS) =    1822.42

****************************************************************************
  FLOW PROCESS FROM NODE   6370.00 TO NODE   6371.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   344.00  DOWNSTREAM(FEET) =   220.00
  FLOW LENGTH(FEET) =  2550.00   MANNING'S N =  0.013
  DEPTH OF FLOW IN  96.0 INCH PIPE IS  75.1 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =  43.21
  ESTIMATED PIPE DIAMETER(INCH) =  96.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =   1822.42
  PIPE TRAVEL TIME(MIN.) =   0.98    Tc(MIN.) =  18.85
  LONGEST FLOWPATH FROM NODE   6360.00 TO NODE   6371.00 = 12221.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6370.00 TO NODE   6371.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  18.85
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.901
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL POOR COVER
  "BARREN"                   B       10.20      0.30      1.00    86
  NATURAL FAIR COVER
  "GRASS"                    B        1.70      0.30      1.00    69
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       B        4.40      0.30      0.20    56
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B        1.60      0.30      0.60    56
  NATURAL FAIR COVER
  "WOODLAND"                 B        2.40      0.30      1.00    60
  NATURAL POOR COVER
  "BARREN"                   C        4.00      0.25      1.00    91
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.29
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.83
  SUBAREA AREA(ACRES) =   24.30      SUBAREA RUNOFF(CFS) =   58.19
  EFFECTIVE AREA(ACRES) =    721.00   AREA-AVERAGED Fm(INCH/HR) =  0.09
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  0.37
  TOTAL AREA(ACRES) =    721.00       PEAK FLOW RATE(CFS) =    1826.34

****************************************************************************
  FLOW PROCESS FROM NODE   6370.00 TO NODE   6371.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  18.85
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.901
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    C        0.90      0.25      1.00    79
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       C       10.30      0.25      0.20    69
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        1.10      0.25      0.60    69
  NATURAL FAIR COVER
  "WOODLAND"                 C        1.30      0.25      1.00    73
  NATURAL FAIR COVER
  "GRASS"                    D        1.20      0.20      1.00    84
  RESIDENTIAL
  "11+ DWELLINGS/ACRE"       D        3.70      0.20      0.20    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.24
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.37
  SUBAREA AREA(ACRES) =   18.50      SUBAREA RUNOFF(CFS) =   46.85
  EFFECTIVE AREA(ACRES) =    739.50   AREA-AVERAGED Fm(INCH/HR) =  0.09
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  0.37
  TOTAL AREA(ACRES) =    739.50       PEAK FLOW RATE(CFS) =    1873.18

****************************************************************************
  FLOW PROCESS FROM NODE   6370.00 TO NODE   6371.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  18.85
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.901
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D        0.20      0.20      0.60    75
  NATURAL FAIR COVER
  "WOODLAND"                 D        0.70      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.91
  SUBAREA AREA(ACRES) =    0.90      SUBAREA RUNOFF(CFS) =    2.20
  EFFECTIVE AREA(ACRES) =    740.40   AREA-AVERAGED Fm(INCH/HR) =  0.09
  AREA-AVERAGED Fp(INCH/HR) =  0.23  AREA-AVERAGED Ap =  0.37
  TOTAL AREA(ACRES) =    740.40       PEAK FLOW RATE(CFS) =    1875.38

****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
```

```
  TIME OF CONCENTRATION(MIN.) =  18.85
  RAINFALL INTENSITY(INCH/HR) =   2.90
  AREA-AVERAGED Fm(INCH/HR) =  0.09
  AREA-AVERAGED Fp(INCH/HR) =  0.23
  AREA-AVERAGED Ap =  0.37
  EFFECTIVE STREAM AREA(ACRES) =   740.40
  TOTAL STREAM AREA(ACRES) =   740.40
  PEAK FLOW RATE(CFS) AT CONFLUENCE =   1875.38

  ** CONFLUENCE DATA **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
      1   7278.61  30.92    2.185  0.28( 0.20) 0.73  3394.6    6340.00
      1   7501.92  33.85    2.074  0.28( 0.20) 0.73  3724.7    6300.00
      1   7589.78  34.98    2.031  0.28( 0.20) 0.73  3887.1    6320.00
      1   8734.25  52.94    1.603  0.29( 0.20) 0.69  6221.1     780.00
      2   1875.38  18.85    2.901  0.23( 0.09) 0.37   740.4    6360.00

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
   STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
   NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
      1   7917.53  18.85    2.901  0.27( 0.17) 0.64  2810.0    6360.00
      2   8676.86  30.92    2.185  0.28( 0.18) 0.67  4135.0    6340.00
      3   8826.09  33.85    2.074  0.28( 0.19) 0.67  4465.1    6300.00
      4   8885.18  34.98    2.031  0.28( 0.19) 0.67  4627.5    6320.00
      5   9744.62  52.94    1.603  0.28( 0.19) 0.66  6961.5     780.00

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =   9744.62    Tc(MIN.) =    52.94
  EFFECTIVE AREA(ACRES) =  6961.50   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.66
  TOTAL AREA(ACRES) =   6961.50
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6371.00 = 19537.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6395.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    220.00  DOWNSTREAM(FEET) =    213.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   959.00   CHANNEL SLOPE =  0.0073
  CHANNEL BASE(FEET) =   35.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =  15.00
  CHANNEL FLOW THRU SUBAREA(CFS) =   9744.62
  FLOW VELOCITY(FEET/SEC.) =  14.01   FLOW DEPTH(FEET) =  14.15
  TRAVEL TIME(MIN.) =   1.14   Tc(MIN.) =  54.08
  LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6395.00 = 20496.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6395.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  54.08
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.585
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     A        0.20      0.40      1.00    50
  NATURAL FAIR COVER
  "WOODLAND"                  A        0.20      0.40      1.00    36
  NATURAL FAIR COVER
  "GRASS"                     B        0.40      0.30      1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                  B        0.60      0.30      1.00    60
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        1.10      0.25      1.00    77
  NATURAL FAIR COVER
  "WOODLAND"                  C        0.30      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.29
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    2.80      SUBAREA RUNOFF(CFS) =    3.26
  EFFECTIVE AREA(ACRES) =   6964.30   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.66
  TOTAL AREA(ACRES) =   6964.30       PEAK FLOW RATE(CFS) =    9744.62
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6395.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  54.08
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  1.585
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     D        0.30      0.20      1.00    84
  NATURAL FAIR COVER
  "WOODLAND"                  D        3.40      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  1.00
  SUBAREA AREA(ACRES) =    3.70      SUBAREA RUNOFF(CFS) =    4.61
  EFFECTIVE AREA(ACRES) =   6968.00   AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.66
  TOTAL AREA(ACRES) =   6968.00       PEAK FLOW RATE(CFS) =    9744.62
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  54.08
  RAINFALL INTENSITY(INCH/HR) =   1.58
  AREA-AVERAGED Fm(INCH/HR) =  0.19
  AREA-AVERAGED Fp(INCH/HR) =  0.28
  AREA-AVERAGED Ap =  0.66
  EFFECTIVE STREAM AREA(ACRES) =  6968.00
  TOTAL STREAM AREA(ACRES) =  6968.00
  PEAK FLOW RATE(CFS) AT CONFLUENCE =   9744.62

****************************************************************************
  FLOW PROCESS FROM NODE   6380.00 TO NODE   6381.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
  >>USE TIME-OF-CONCENTRATION NOMOGRAPH FOR INITIAL SUBAREA<<
============================================================================
  INITIAL SUBAREA FLOW-LENGTH(FEET) =   325.00
  ELEVATION DATA: UPSTREAM(FEET) =    655.00  DOWNSTREAM(FEET) =    587.00

  Tc = K*[(LENGTH** 3.00)/(ELEVATION CHANGE)]**0.20
  SUBAREA ANALYSIS USED MINIMUM Tc(MIN.) =    5.695
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.831
  SUBAREA Tc AND LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS   Tc
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN  (MIN.)
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"        D        0.90      0.20      0.60    75    5.70
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.60
  SUBAREA RUNOFF(CFS) =      4.63
  TOTAL AREA(ACRES) =      0.90   PEAK FLOW RATE(CFS) =      4.63

****************************************************************************
  FLOW PROCESS FROM NODE   6381.00 TO NODE   6382.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    587.00  DOWNSTREAM(FEET) =    584.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =    94.00   CHANNEL SLOPE =  0.0319
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      4.63
  FLOW VELOCITY(FEET/SEC.) =   4.52   FLOW DEPTH(FEET) =   0.63
  TRAVEL TIME(MIN.) =   0.35   Tc(MIN.) =   6.04
  LONGEST FLOWPATH FROM NODE   6380.00 TO NODE   6382.00 =   419.00 FEET.

****************************************************************************
```

```
  FLOW PROCESS FROM NODE    6381.00 TO NODE    6382.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =    6.04
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.652
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D        1.20      0.20       0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.60
  SUBAREA AREA(ACRES) =     1.20      SUBAREA RUNOFF(CFS) =     5.97
  EFFECTIVE AREA(ACRES) =      2.10   AREA-AVERAGED Fm(INCH/HR) =  0.12
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.60
  TOTAL AREA(ACRES) =      2.10       PEAK FLOW RATE(CFS) =      10.46

****************************************************************************
  FLOW PROCESS FROM NODE    6382.00 TO NODE    6383.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    584.00  DOWNSTREAM(FEET) =    570.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   418.00   CHANNEL SLOPE =  0.0335
  CHANNEL BASE(FEET) =    1.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     10.46
  FLOW VELOCITY(FEET/SEC.) =   5.71   FLOW DEPTH(FEET) =   0.94
  TRAVEL TIME(MIN.) =   1.22   Tc(MIN.) =   7.26
  LONGEST FLOWPATH FROM NODE    6380.00 TO NODE    6383.00 =   837.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    6382.00 TO NODE    6383.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =    7.26
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  5.022
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D        3.10      0.20       0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.60
  SUBAREA AREA(ACRES) =     3.10      SUBAREA RUNOFF(CFS) =    13.68
  EFFECTIVE AREA(ACRES) =      5.20   AREA-AVERAGED Fm(INCH/HR) =  0.12
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.60
  TOTAL AREA(ACRES) =      5.20       PEAK FLOW RATE(CFS) =      22.94

****************************************************************************
  FLOW PROCESS FROM NODE    6383.00 TO NODE    6384.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    570.00  DOWNSTREAM(FEET) =    540.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   557.00   CHANNEL SLOPE =  0.0539
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     22.94
  FLOW VELOCITY(FEET/SEC.) =   8.18   FLOW DEPTH(FEET) =   0.95
  TRAVEL TIME(MIN.) =   1.14   Tc(MIN.) =   8.40
  LONGEST FLOWPATH FROM NODE    6380.00 TO NODE    6384.00 =  1394.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    6383.00 TO NODE    6384.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =    8.40
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.634
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D        4.50      0.20       0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.60
  SUBAREA AREA(ACRES) =     4.50      SUBAREA RUNOFF(CFS) =    18.28
  EFFECTIVE AREA(ACRES) =      9.70   AREA-AVERAGED Fm(INCH/HR) =  0.12
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.60
  TOTAL AREA(ACRES) =      9.70       PEAK FLOW RATE(CFS) =      39.41

****************************************************************************
  FLOW PROCESS FROM NODE    6384.00 TO NODE    6385.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    540.00  DOWNSTREAM(FEET) =    510.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   508.00   CHANNEL SLOPE =  0.0591
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     39.41
  FLOW VELOCITY(FEET/SEC.) =   9.74   FLOW DEPTH(FEET) =   1.25
  TRAVEL TIME(MIN.) =   0.87   Tc(MIN.) =   9.27
  LONGEST FLOWPATH FROM NODE    6380.00 TO NODE    6385.00 =  1902.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    6384.00 TO NODE    6385.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =    9.27
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.377
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D        3.50      0.20       0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.60
  SUBAREA AREA(ACRES) =     3.50      SUBAREA RUNOFF(CFS) =    13.41
  EFFECTIVE AREA(ACRES) =     13.20   AREA-AVERAGED Fm(INCH/HR) =  0.12
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.60
  TOTAL AREA(ACRES) =     13.20       PEAK FLOW RATE(CFS) =      50.57

****************************************************************************
  FLOW PROCESS FROM NODE    6385.00 TO NODE    6386.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    510.00  DOWNSTREAM(FEET) =    500.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   381.00   CHANNEL SLOPE =  0.0262
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     50.57
  FLOW VELOCITY(FEET/SEC.) =   7.71   FLOW DEPTH(FEET) =   1.75
  TRAVEL TIME(MIN.) =   0.82   Tc(MIN.) =  10.09
  LONGEST FLOWPATH FROM NODE    6380.00 TO NODE    6386.00 =  2283.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    6385.00 TO NODE    6386.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =   10.09
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  4.142
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D       11.50      0.20       0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.60
  SUBAREA AREA(ACRES) =    11.50      SUBAREA RUNOFF(CFS) =    41.62
  EFFECTIVE AREA(ACRES) =     24.70   AREA-AVERAGED Fm(INCH/HR) =  0.12
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.60
  TOTAL AREA(ACRES) =     24.70       PEAK FLOW RATE(CFS) =      89.40

****************************************************************************
  FLOW PROCESS FROM NODE    6386.00 TO NODE    6387.00 IS CODE =  51
----------------------------------------------------------------------------
```

```
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    500.00  DOWNSTREAM(FEET) =    435.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   751.00   CHANNEL SLOPE =  0.0866
  CHANNEL BASE(FEET) =    2.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   2.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     89.40
  FLOW VELOCITY(FEET/SEC.) =  13.89   FLOW DEPTH(FEET) =   1.73
  TRAVEL TIME(MIN.) =   0.90   Tc(MIN.) =  10.99
  LONGEST FLOWPATH FROM NODE   6380.00 TO NODE   6387.00 =  3034.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6386.00 TO NODE   6387.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN) =  10.99
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.961
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.10      0.25      1.00    77
  NATURAL FAIR COVER
  "GRASS"                     D        2.00      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.60      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        0.50      0.20      1.00    84
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"        D        8.10      0.20      0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.71
  SUBAREA AREA(ACRES) =   11.30      SUBAREA RUNOFF(CFS) =   38.83
  EFFECTIVE AREA(ACRES) =     36.00   AREA-AVERAGED Fm(INCH/HR) =  0.13
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.64
  TOTAL AREA(ACRES) =     36.00       PEAK FLOW RATE(CFS) =     124.23

****************************************************************************
  FLOW PROCESS FROM NODE   6387.00 TO NODE   6388.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    435.00  DOWNSTREAM(FEET) =    400.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1268.00   CHANNEL SLOPE =  0.0276
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    124.23
  FLOW VELOCITY(FEET/SEC.) =   7.95   FLOW DEPTH(FEET) =   2.73
  TRAVEL TIME(MIN.) =   2.66   Tc(MIN.) =  13.65
  LONGEST FLOWPATH FROM NODE   6380.00 TO NODE   6388.00 =  4302.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6387.00 TO NODE   6388.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN) =  13.65
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.494
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.20      0.25      1.00    77
  NATURAL FAIR COVER
  "GRASS"                     D        4.40      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        2.10      0.20      1.00    83
  AGRICULTURAL FAIR COVER
  "PASTURE,DRYLAND"           D        0.90      0.20      1.00    84
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"        D        9.00      0.20      0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.78
  SUBAREA AREA(ACRES) =   16.60      SUBAREA RUNOFF(CFS) =   49.85
  EFFECTIVE AREA(ACRES) =     52.60   AREA-AVERAGED Fm(INCH/HR) =  0.14
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.68
  TOTAL AREA(ACRES) =     52.60       PEAK FLOW RATE(CFS) =     158.94

****************************************************************************
  FLOW PROCESS FROM NODE   6388.00 TO NODE   6389.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    400.00  DOWNSTREAM(FEET) =    392.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   173.00   CHANNEL SLOPE =  0.0462
  CHANNEL BASE(FEET) =    3.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   3.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    158.94
  FLOW VELOCITY(FEET/SEC.) =  10.25   FLOW DEPTH(FEET) =   2.71
  TRAVEL TIME(MIN.) =   0.28   Tc(MIN.) =  13.93
  LONGEST FLOWPATH FROM NODE   6380.00 TO NODE   6389.00 =  4475.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6388.00 TO NODE   6389.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN) =  13.93
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.454
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     D        1.20      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"                D        0.10      0.20      1.00    83
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"        D       66.10      0.20      0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.61
  SUBAREA AREA(ACRES) =   67.40      SUBAREA RUNOFF(CFS) =  202.12
  EFFECTIVE AREA(ACRES) =    120.00   AREA-AVERAGED Fm(INCH/HR) =  0.13
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.64
  TOTAL AREA(ACRES) =    120.00       PEAK FLOW RATE(CFS) =     359.14

****************************************************************************
  FLOW PROCESS FROM NODE   6389.00 TO NODE   6390.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
================================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    392.00  DOWNSTREAM(FEET) =    357.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   975.00   CHANNEL SLOPE =  0.0359
  CHANNEL BASE(FEET) =    4.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   4.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    359.14
  FLOW VELOCITY(FEET/SEC.) =  11.44   FLOW DEPTH(FEET) =   3.95
  TRAVEL TIME(MIN.) =   1.42   Tc(MIN.) =  15.35
  LONGEST FLOWPATH FROM NODE   6380.00 TO NODE   6390.00 =  5450.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6389.00 TO NODE   6390.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
================================================================================
  MAINLINE Tc(MIN) =  15.35
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.260
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                     C        0.20      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"                C        0.10      0.25      1.00    77
  NATURAL FAIR COVER
  "GRASS"                     D        3.00      0.20      1.00    84
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"        D       21.80      0.20      0.60    75
  NATURAL FAIR COVER
  "WOODLAND"                  D        0.10      0.20      1.00    79
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.65
  SUBAREA AREA(ACRES) =   25.20      SUBAREA RUNOFF(CFS) =   70.97
  EFFECTIVE AREA(ACRES) =    145.20   AREA-AVERAGED Fm(INCH/HR) =  0.13
```

```
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.64
  TOTAL AREA(ACRES) =    145.20       PEAK FLOW RATE(CFS) =     409.24

****************************************************************************
  FLOW PROCESS FROM NODE   6390.00 TO NODE   6391.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    357.00  DOWNSTREAM(FEET) =    347.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   505.00   CHANNEL SLOPE =  0.0198
  CHANNEL BASE(FEET) =    5.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   5.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    409.24
  FLOW VELOCITY(FEET/SEC.) =   9.44   FLOW DEPTH(FEET) =   4.54
  TRAVEL TIME(MIN.) =   0.89   Tc(MIN.) =  16.25
  LONGEST FLOWPATH FROM NODE   6380.00 TO NODE   6391.00 =  5955.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6390.00 TO NODE   6391.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  16.25
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.161
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B        0.90      0.30      0.60    56
  NATURAL FAIR COVER
  "GRASS"                    C        0.20      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.50      0.25      1.00    77
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        1.50      0.25      0.60    69
  NATURAL FAIR COVER
  "GRASS"                    D        1.90      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        1.30      0.20      1.00    83
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.23
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.85
  SUBAREA AREA(ACRES) =    6.30      SUBAREA RUNOFF(CFS) =   16.84
  EFFECTIVE AREA(ACRES) =    151.50   AREA-AVERAGED Fm(INCH/HR) =  0.13
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =    151.50       PEAK FLOW RATE(CFS) =     413.03

****************************************************************************
  FLOW PROCESS FROM NODE   6390.00 TO NODE   6391.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  16.25
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  3.161
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D       22.40      0.20      0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.60
  SUBAREA AREA(ACRES) =   22.40      SUBAREA RUNOFF(CFS) =   61.30
  EFFECTIVE AREA(ACRES) =    173.90   AREA-AVERAGED Fm(INCH/HR) =  0.13
  AREA-AVERAGED Fp(INCH/HR) =  0.20  AREA-AVERAGED Ap =  0.64
  TOTAL AREA(ACRES) =    173.90       PEAK FLOW RATE(CFS) =     474.33

****************************************************************************
  FLOW PROCESS FROM NODE   6391.00 TO NODE   6392.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    347.00  DOWNSTREAM(FEET) =    330.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1293.00   CHANNEL SLOPE =  0.0131
  CHANNEL BASE(FEET) =    6.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   6.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    474.33
  FLOW VELOCITY(FEET/SEC.) =   8.40   FLOW DEPTH(FEET) =   5.09
  TRAVEL TIME(MIN.) =   2.57   Tc(MIN.) =  18.81
  LONGEST FLOWPATH FROM NODE   6380.00 TO NODE   6392.00 =  7248.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6391.00 TO NODE   6392.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  18.81
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.905
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B        5.10      0.30      0.60    56
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.20      0.30      1.00    60
  NATURAL FAIR COVER
  "GRASS"                    C        0.80      0.25      1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.70      0.25      1.00    77
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C       10.40      0.25      0.60    69
  NATURAL FAIR COVER
  "WOODLAND"                 C        0.10      0.25      1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.64
  SUBAREA AREA(ACRES) =   17.30      SUBAREA RUNOFF(CFS) =   42.58
  EFFECTIVE AREA(ACRES) =    191.20   AREA-AVERAGED Fm(INCH/HR) =  0.13
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  0.64
  TOTAL AREA(ACRES) =    191.20       PEAK FLOW RATE(CFS) =     476.86

****************************************************************************
  FLOW PROCESS FROM NODE   6391.00 TO NODE   6392.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  18.81
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.905
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE             GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    D        2.30      0.20      1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        0.30      0.20      1.00    83
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D       10.90      0.20      0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.68
  SUBAREA AREA(ACRES) =   13.50      SUBAREA RUNOFF(CFS) =   33.65
  EFFECTIVE AREA(ACRES) =    204.70   AREA-AVERAGED Fm(INCH/HR) =  0.13
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =    204.70       PEAK FLOW RATE(CFS) =     510.51

****************************************************************************
  FLOW PROCESS FROM NODE   6392.00 TO NODE   6393.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    330.00  DOWNSTREAM(FEET) =    295.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1459.00   CHANNEL SLOPE =  0.0240
  CHANNEL BASE(FEET) =    6.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   6.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    510.51
  FLOW VELOCITY(FEET/SEC.) =  10.71   FLOW DEPTH(FEET) =   4.53
  TRAVEL TIME(MIN.) =   2.27   Tc(MIN.) =  21.08
  LONGEST FLOWPATH FROM NODE   6380.00 TO NODE   6393.00 =  8707.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6392.00 TO NODE   6393.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  21.08
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.718
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp         Ap     SCS
```

```
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B        9.30      0.30       0.60    56
  NATURAL FAIR COVER
  "GRASS"                    C        0.20      0.25       1.00    79
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       C        0.20      0.25       0.50    69
  NATURAL FAIR COVER
  "GRASS"                    C        3.40      0.25       1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        1.50      0.25       1.00    77
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C       23.40      0.25       0.60    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.65
  SUBAREA AREA(ACRES) =   38.00      SUBAREA RUNOFF(CFS) =   87.11
  EFFECTIVE AREA(ACRES) =    242.70   AREA-AVERAGED Fm(INCH/HR) =  0.14
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =    242.70       PEAK FLOW RATE(CFS) =     563.19

****************************************************************************
  FLOW PROCESS FROM NODE   6392.00 TO NODE   6393.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  21.08
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.718
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "WOODLAND"                 C        0.40      0.25       1.00    73
  RESIDENTIAL
  "5-7 DWELLINGS/ACRE"       D        0.20      0.20       0.50    75
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D       11.10      0.20       0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.61
  SUBAREA AREA(ACRES) =   11.70      SUBAREA RUNOFF(CFS) =   27.31
  EFFECTIVE AREA(ACRES) =    254.40   AREA-AVERAGED Fm(INCH/HR) =  0.14
  AREA-AVERAGED Fp(INCH/HR) =  0.21  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =    254.40       PEAK FLOW RATE(CFS) =     590.50

****************************************************************************
  FLOW PROCESS FROM NODE   6393.00 TO NODE   6394.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    295.00  DOWNSTREAM(FEET) =    238.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1612.00   CHANNEL SLOPE =  0.0354
  CHANNEL BASE(FEET) =    6.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   6.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    590.50
  FLOW VELOCITY(FEET/SEC.) =  12.82   FLOW DEPTH(FEET) =   4.42
  TRAVEL TIME(MIN.) =   2.10   Tc(MIN.) =  23.18
  LONGEST FLOWPATH FROM NODE   6380.00 TO NODE   6394.00 = 10319.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6393.00 TO NODE   6394.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  23.18
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.569
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    B        0.20      0.30       1.00    69
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       B        7.20      0.30       0.60    56
  NATURAL FAIR COVER
  "WOODLAND"                 B        0.80      0.30       1.00    60
  NATURAL FAIR COVER
  "GRASS"                    C        1.10      0.25       1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.40      0.25       1.00    77
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C       32.80      0.25       0.60    69
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.26
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.62
  SUBAREA AREA(ACRES) =   42.50      SUBAREA RUNOFF(CFS) =   92.07
  EFFECTIVE AREA(ACRES) =    296.90   AREA-AVERAGED Fm(INCH/HR) =  0.14
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  0.64
  TOTAL AREA(ACRES) =    296.90       PEAK FLOW RATE(CFS) =     648.59

****************************************************************************
  FLOW PROCESS FROM NODE   6393.00 TO NODE   6394.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  23.18
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.569
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "WOODLAND"                 C        1.30      0.25       1.00    73
  NATURAL FAIR COVER
  "GRASS"                    D        3.20      0.20       1.00    84
  NATURAL FAIR COVER
  "OPEN BRUSH"               D        0.20      0.20       1.00    83
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       D       11.40      0.20       0.60    75
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.21
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.72
  SUBAREA AREA(ACRES) =   16.10      SUBAREA RUNOFF(CFS) =   35.09
  EFFECTIVE AREA(ACRES) =    313.00   AREA-AVERAGED Fm(INCH/HR) =  0.14
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =    313.00       PEAK FLOW RATE(CFS) =     683.68

****************************************************************************
  FLOW PROCESS FROM NODE   6394.00 TO NODE   6395.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =    238.00  DOWNSTREAM(FEET) =    213.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1150.00   CHANNEL SLOPE =  0.0217
  CHANNEL BASE(FEET) =    6.00   "Z" FACTOR =   1.000
  MANNING'S FACTOR = 0.040   MAXIMUM DEPTH(FEET) =   6.00
  CHANNEL FLOW THRU SUBAREA(CFS) =    683.68
  FLOW VELOCITY(FEET/SEC.) =  11.12   FLOW DEPTH(FEET) =   5.40
  TRAVEL TIME(MIN.) =   1.72   Tc(MIN.) =  24.90
  LONGEST FLOWPATH FROM NODE   6380.00 TO NODE   6395.00 = 11469.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE   6394.00 TO NODE   6395.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  MAINLINE Tc(MIN) =  24.90
  * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.466
  SUBAREA LOSS RATE DATA(AMC  II):
   DEVELOPMENT TYPE/      SCS SOIL   AREA      Fp         Ap     SCS
       LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
  NATURAL FAIR COVER
  "GRASS"                    B        1.70      0.30       1.00    69
  NATURAL FAIR COVER
  "WOODLAND"                 B        2.20      0.30       1.00    60
  NATURAL FAIR COVER
  "GRASS"                    C        0.10      0.25       1.00    79
  NATURAL FAIR COVER
  "OPEN BRUSH"               C        0.70      0.25       1.00    77
  RESIDENTIAL
  "3-4 DWELLINGS/ACRE"       C        1.70      0.25       0.60    69
  NATURAL FAIR COVER
  "WOODLAND"                 C        1.80      0.25       1.00    73
  SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.28
  SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.92
  SUBAREA AREA(ACRES) =    8.20      SUBAREA RUNOFF(CFS) =   16.33
  EFFECTIVE AREA(ACRES) =    321.20   AREA-AVERAGED Fm(INCH/HR) =  0.15
  AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  0.65
  TOTAL AREA(ACRES) =    321.20       PEAK FLOW RATE(CFS) =     683.68
  NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
```

```
 FLOW PROCESS FROM NODE   6394.00 TO NODE   6395.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 MAINLINE Tc(MIN) =  24.90
 * 100 YEAR RAINFALL INTENSITY(INCH/HR) =  2.466
 SUBAREA LOSS RATE DATA(AMC  II):
  DEVELOPMENT TYPE/       SCS SOIL   AREA      Fp          Ap     SCS
      LAND USE            GROUP   (ACRES)  (INCH/HR)  (DECIMAL)  CN
 NATURAL FAIR COVER
 "GRASS"                    D        0.10      0.20      1.00    84
 RESIDENTIAL
 "3-4 DWELLINGS/ACRE"       D        0.30      0.20      0.60    75
 NATURAL FAIR COVER
 "WOODLAND"                 D        1.50      0.20      1.00    79
 SUBAREA AVERAGE PERVIOUS LOSS RATE, Fp(INCH/HR) =  0.20
 SUBAREA AVERAGE PERVIOUS AREA FRACTION, Ap =  0.94
 SUBAREA AREA(ACRES) =    1.90      SUBAREA RUNOFF(CFS) =    3.90
 EFFECTIVE AREA(ACRES) =    323.10   AREA-AVERAGED Fm(INCH/HR) =  0.15
 AREA-AVERAGED Fp(INCH/HR) =  0.22  AREA-AVERAGED Ap =  0.66
 TOTAL AREA(ACRES) =    323.10       PEAK FLOW RATE(CFS) =     683.68
 NOTE: PEAK FLOW RATE DEFAULTED TO UPSTREAM VALUE

****************************************************************************
 FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =  24.90
 RAINFALL INTENSITY(INCH/HR) =   2.47
 AREA-AVERAGED Fm(INCH/HR) =  0.15
 AREA-AVERAGED Fp(INCH/HR) =  0.22
 AREA-AVERAGED Ap =  0.66
 EFFECTIVE STREAM AREA(ACRES) =   323.10
 TOTAL STREAM AREA(ACRES) =   323.10
 PEAK FLOW RATE(CFS) AT CONFLUENCE =    683.68

 ** CONFLUENCE DATA **
  STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
  NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
     1   7917.53  20.06    2.795  0.27( 0.17) 0.64  2816.5    6360.00
     1   8676.86  32.10    2.140  0.28( 0.18) 0.67  4141.5    6340.00
     1   8826.09  35.02    2.029  0.28( 0.19) 0.67  4471.6    6300.00
     1   8885.18  36.15    1.995  0.28( 0.19) 0.67  4634.0    6320.00
     1   9744.62  54.08    1.585  0.28( 0.19) 0.66  6968.0     780.00
     2    683.68  24.90    2.466  0.22( 0.15) 0.66   323.1    6380.00

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
  STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
  NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
     1   8546.51  20.06    2.795  0.27( 0.17) 0.64  3076.8    6360.00
     2   8906.59  24.90    2.466  0.27( 0.17) 0.65  3672.5    6380.00
     3   9264.61  32.10    2.140  0.27( 0.18) 0.67  4464.6    6340.00
     4   9381.19  35.02    2.029  0.27( 0.18) 0.67  4794.7    6300.00
     5   9430.26  36.15    1.995  0.27( 0.18) 0.67  4957.1    6320.00
     6  10168.68  54.08    1.585  0.28( 0.19) 0.66  7291.1     780.00

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =  10168.68    Tc(MIN.) =    54.08
 EFFECTIVE AREA(ACRES) =  7291.10   AREA-AVERAGED Fm(INCH/HR) =  0.19
 AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.66
 TOTAL AREA(ACRES) =   7291.10
 LONGEST FLOWPATH FROM NODE   6300.00 TO NODE   6395.00 = 20496.00 FEET.
============================================================================
 END OF STUDY SUMMARY:
 TOTAL AREA(ACRES)     =   7291.10  TC(MIN.) =     54.08
 EFFECTIVE AREA(ACRES) =   7291.10  AREA-AVERAGED Fm(INCH/HR)=  0.19
 AREA-AVERAGED Fp(INCH/HR) =  0.28  AREA-AVERAGED Ap =  0.66
 PEAK FLOW RATE(CFS)   =  10168.68

 ** PEAK FLOW RATE TABLE **
  STREAM     Q     Tc   Intensity   Fp(Fm)     Ap   Ae     HEADWATER
  NUMBER   (CFS) (MIN.) (INCH/HR) (INCH/HR)       (ACRES)    NODE
```


```
     1   8546.51  20.06    2.795  0.27( 0.17) 0.64  3076.8    6360.00
     2   8906.59  24.90    2.466  0.27( 0.17) 0.65  3672.5    6380.00
     3   9264.61  32.10    2.140  0.27( 0.18) 0.67  4464.6    6340.00
     4   9381.19  35.02    2.029  0.27( 0.18) 0.67  4794.7    6300.00
     5   9430.26  36.15    1.995  0.27( 0.18) 0.67  4957.1    6320.00
     6  10168.68  54.08    1.585  0.28( 0.19) 0.66  7291.1     780.00
============================================================================
============================================================================
 END OF RATIONAL METHOD ANALYSIS
```

```
**************************************************************************

             F L O O D    R O U T I N G    A N A L Y S I S
             USING COUNTY HYDROLOGY MANUAL OF ORANGE(1986)
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                          Analysis prepared by:

                           Huitt - Zollars, Inc.
                          430 Exchange, Suite 200
                           Irvine, CA. 92602-1309
                              714 - 734 - 5100

--------------------------------------------------------------------------
  FILE NAME: CP63100H.FLD
  TIME/DATE OF STUDY: 13:15 04/01/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE   6395.00 IS CODE =   1
--------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
==========================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

         WATERSHED AREA =    7291.100 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.720 HOURS
         STORM RETURN FREQUENCY =  100-YEAR
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.240
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.680
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.080
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.180
         LOW LOSS FRACTION = 0.520
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.52
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.09
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.45
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.43
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.36
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  5.63

         PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.727
          30-MINUTE FACTOR = 0.727
           1-HOUR FACTOR = 0.727
           3-HOUR FACTOR = 0.955
           6-HOUR FACTOR = 0.976
          24-HOUR FACTOR = 0.985

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  11.574



==========================================================================
                     UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------
```

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	0.773	681.657
2	2.471	1497.408
3	4.833	2082.535
4	8.388	3134.380
5	12.768	3862.617
6	18.456	5015.114
7	25.043	5808.570
8	34.169	8047.173
9	47.712	11941.385
10	56.362	7626.946
11	62.923	5785.397
12	67.687	4200.807
13	71.786	3614.922
14	75.222	3029.118
15	78.223	2646.816
16	80.560	2059.962
17	82.643	1836.876
18	84.606	1731.338
19	86.147	1358.521
20	87.605	1285.900
21	88.854	1101.039
22	89.857	884.721
23	90.776	809.859
24	91.637	759.753
25	92.468	732.198
26	93.192	639.024
27	93.892	617.093
28	94.495	531.064
29	95.034	475.583
30	95.573	475.449
31	95.980	358.527
32	96.284	268.347
33	96.588	268.058
34	96.888	264.809
35	97.183	260.026
36	97.443	229.261
37	97.544	88.882
38	97.623	69.985
39	97.700	67.839
40	97.777	67.933
41	97.855	68.040
42	97.931	67.206
43	98.004	64.704
44	98.077	64.657
45	98.151	64.488
46	98.224	64.683
47	98.296	63.674
48	98.366	61.697
49	98.435	60.950
50	98.505	61.327
51	98.574	61.131
52	98.644	61.306
53	98.710	58.353
54	98.774	56.678
55	98.838	56.685
56	98.903	56.678
57	98.967	56.685
58	99.031	56.685
59	99.095	56.254
60	99.155	52.588
61	99.213	51.801
62	99.272	51.760
63	99.331	51.801
64	99.390	51.774

65	99.448	51.760
66	99.507	51.801
67	99.566	51.780
68	99.623	50.731
69	99.677	47.583
70	99.709	28.221
71	99.723	11.733
72	99.736	11.766
73	99.749	11.733
74	99.763	11.759
75	99.776	11.719
76	99.789	11.759
77	99.803	11.759
78	99.816	11.759
79	99.829	11.719
80	99.840	9.755
81	99.844	3.619
82	99.848	3.243
83	99.852	3.189
84	99.855	3.189
85	99.859	3.236
86	99.863	3.195
87	99.866	3.189
88	99.870	3.189
89	99.873	3.236
90	99.877	3.195
91	99.881	3.189
92	99.884	3.236
93	99.888	3.189
94	99.892	3.243
95	99.895	3.189
96	99.899	3.189
97	99.902	3.189
98	99.906	3.195
99	99.910	3.283
100	99.913	3.142
101	99.917	3.236
102	99.921	3.189
103	99.924	3.195
104	99.928	3.189
105	99.932	3.189
106	99.935	3.189
107	99.939	3.189
108	99.942	3.189
109	99.946	3.195
110	99.950	3.189
111	99.953	3.189
112	99.957	3.189
113	99.960	3.189
114	99.964	3.189
115	99.968	3.195
116	99.971	3.189
117	99.975	3.189
118	99.979	3.189
119	99.982	3.189
120	99.986	3.189
121	99.989	3.195
122	99.993	3.189
123	99.997	3.189
124	100.000	2.967

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 1342.6731
TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 2026.1995

---

2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	2025.0	4050.0	6075.0	8100.0
0.083	0.0165	2.39	Q	.	.	.	.
0.167	0.0691	7.65	Q	.	.	.	.
0.250	0.1722	14.97	Q	.	.	.	.
0.333	0.3513	26.00	Q	.	.	.	.
0.417	0.6242	39.63	Q	.	.	.	.
0.500	1.0191	57.33	Q	.	.	.	.
0.583	1.5554	77.88	Q	.	.	.	.
0.667	2.2877	106.34	Q	.	.	.	.
0.750	3.3107	148.54	Q	.	.	.	.
0.833	4.5211	175.74	Q	.	.	.	.
0.917	5.8751	196.61	Q	.	.	.	.
1.000	7.3349	211.97	VQ	.	.	.	.
1.083	8.8869	225.35	VQ	.	.	.	.
1.167	10.5171	236.70	VQ	.	.	.	.
1.250	12.2167	246.78	VQ	.	.	.	.
1.333	13.9717	254.82	VQ	.	.	.	.
1.417	15.7770	262.13	VQ	.	.	.	.
1.500	17.6301	269.07	VQ	.	.	.	.
1.583	19.5224	274.76	VQ	.	.	.	.
1.667	21.4522	280.20	VQ	.	.	.	.
1.750	23.4152	285.03	VQ	.	.	.	.
1.833	25.4063	289.11	VQ	.	.	.	.
1.917	27.4239	292.96	VQ	.	.	.	.
2.000	29.4669	296.63	VQ	.	.	.	.
2.083	31.5347	300.25	VQ	.	.	.	.
2.167	33.6252	303.54	VQ	.	.	.	.
2.250	35.7381	306.79	VQ	.	.	.	.
2.333	37.8712	309.73	VQ	.	.	.	.
2.417	40.0236	312.52	VQ	.	.	.	.
2.500	42.1950	315.30	VQ	.	.	.	.
2.583	44.3831	317.71	VQ	.	.	.	.
2.667	46.5855	319.79	VQ	.	.	.	.
2.750	48.8025	321.91	VQ	.	.	.	.
2.833	51.0340	324.01	.Q	.	.	.	.
2.917	53.2802	326.13	.Q	.	.	.	.
3.000	55.5401	328.14	.Q	.	.	.	.
3.083	57.8107	329.69	.Q	.	.	.	.
3.167	60.0914	331.16	.Q	.	.	.	.
3.250	62.3825	332.67	.Q	.	.	.	.
3.333	64.6839	334.16	.Q	.	.	.	.
3.417	66.9958	335.69	.Q	.	.	.	.
3.500	69.3182	337.21	.Q	.	.	.	.
3.583	71.6513	338.76	.Q	.	.	.	.
3.667	73.9949	340.29	.Q	.	.	.	.
3.750	76.3493	341.87	.Q	.	.	.	.
3.833	78.7146	343.43	.Q	.	.	.	.
3.917	81.0908	345.03	.Q	.	.	.	.
4.000	83.4780	346.62	.Q	.	.	.	.
4.083	85.8763	348.24	.Q	.	.	.	.
4.167	88.2858	349.85	.Q	.	.	.	.
4.250	90.7066	351.51	.Q	.	.	.	.
4.333	93.1388	353.15	.Q	.	.	.	.
4.417	95.5825	354.83	.Q	.	.	.	.
4.500	98.0377	356.49	.Q	.	.	.	.
4.583	100.5046	358.20	.Q	.	.	.	.
4.667	102.9831	359.89	.QV	.	.	.	.
4.750	105.4737	361.63	.QV	.	.	.	.
4.833	107.9762	363.36	.QV	.	.	.	.
4.917	110.4909	365.13	.QV	.	.	.	.
5.000	113.0176	366.88	.QV	.	.	.	.
5.083	115.5568	368.68	.QV	.	.	.	.
5.167	118.1082	370.47	.QV	.	.	.	.
5.250	120.6722	372.30	.QV	.	.	.	.
5.333	123.2488	374.12	.QV	.	.	.	.
5.417	125.8384	376.00	.QV	.	.	.	.
5.500	128.4407	377.86	.QV	.	.	.	.
5.583	131.0563	379.78	.QV	.	.	.	.
5.667	133.6850	381.68	.QV	.	.	.	.
5.750	136.3270	383.63	.QV	.	.	.	.
5.833	138.9820	385.49	.QV	.	.	.	.
5.917	141.6497	387.36	.QV	.	.	.	.
6.000	144.3303	389.21	.QV	.	.	.	.
6.083	147.0239	391.12	.QV	.	.	.	.
6.167	149.7307	393.02	.QV	.	.	.	.
6.250	152.4509	394.98	.Q V	.	.	.	.
6.333	155.1846	396.93	.Q V	.	.	.	.
6.417	157.9321	398.94	.Q V	.	.	.	.
6.500	160.6933	400.93	.Q V	.	.	.	.
6.583	163.4687	402.99	.Q V	.	.	.	.
6.667	166.2582	405.03	. QV	.	.	.	.
6.750	169.0620	407.12	. QV	.	.	.	.
6.833	171.8801	409.19	. QV	.	.	.	.
6.917	174.7130	411.33	. QV	.	.	.	.
7.000	177.5605	413.46	. QV	.	.	.	.
7.083	180.4231	415.66	. QV	.	.	.	.
7.167	183.3008	417.84	. QV	.	.	.	.
7.250	186.1941	420.10	. QV	.	.	.	.
7.333	189.1029	422.35	. QV	.	.	.	.
7.417	192.0276	424.68	. QV	.	.	.	.
7.500	194.9683	426.99	. QV	.	.	.	.
7.583	197.9255	429.38	. QV	.	.	.	.
7.667	200.8990	431.76	. QV	.	.	.	.
7.750	203.8896	434.22	. Q V	.	.	.	.
7.833	206.8970	436.67	. Q V	.	.	.	.
7.917	209.9218	439.21	. Q V	.	.	.	.
8.000	212.9641	441.73	. Q V	.	.	.	.
8.083	216.0243	444.35	. Q V	.	.	.	.
8.167	219.1025	446.95	. Q V	.	.	.	.
8.250	222.1993	449.65	. Q V	.	.	.	.
8.333	225.3145	452.33	. Q V	.	.	.	.
8.417	228.4489	455.12	. Q V	.	.	.	.
8.500	231.6024	457.89	. Q V	.	.	.	.
8.583	234.7757	460.76	. Q V	.	.	.	.
8.667	237.9686	463.62	. Q V	.	.	.	.
8.750	241.1820	466.59	. Q V	.	.	.	.
8.833	244.4158	469.54	. Q V	.	.	.	.
8.917	247.6707	472.61	. Q V	.	.	.	.
9.000	250.9467	475.67	. Q V	.	.	.	.
9.083	254.2445	478.84	. Q V	.	.	.	.
9.167	257.5641	482.01	. Q V	.	.	.	.
9.250	260.9063	485.29	. Q V	.	.	.	.
9.333	264.2711	488.57	. Q V	.	.	.	.
9.417	267.6594	491.98	. Q V	.	.	.	.
9.500	271.0711	495.37	. Q V	.	.	.	.
9.583	274.5071	498.91	. Q V	.	.	.	.
9.667	277.9673	502.43	. Q V	.	.	.	.
9.750	281.4529	506.10	. Q V	.	.	.	.
9.833	284.9636	509.76	. Q V	.	.	.	.
9.917	288.5005	513.56	. Q V	.	.	.	.
10.000	292.0637	517.37	. Q V	.	.	.	.
10.083	295.6541	521.33	. Q V	.	.	.	.
10.167	299.2717	525.28	. Q V	.	.	.	.
10.250	302.9177	529.40	. Q V	.	.	.	.

10.333	306.5921	533.52	. Q V . . . .
10.417	310.2960	537.80	. Q V . . . .
10.500	314.0294	542.09	. Q V . . . .
10.583	317.7935	546.55	. Q V . . . .
10.667	321.5885	551.02	. Q V . . . .
10.750	325.4155	555.69	. Q V . . . .
10.833	329.2747	560.36	. Q V . . . .
10.917	333.1675	565.23	. Q V . . . .
11.000	337.0940	570.12	. Q V . . . .
11.083	341.0556	575.23	. Q V . . . .
11.167	345.0525	580.35	. Q V . . . .
11.250	349.0862	585.70	. Q V . . . .
11.333	353.1569	591.07	. Q V . . . .
11.417	357.2663	596.69	. Q V . . . .
11.500	361.4146	602.33	. Q V . . . .
11.583	365.6035	608.24	. Q V . . . .
11.667	369.8333	614.17	. Q V . . . .
11.750	374.1060	620.39	. Q V . . . .
11.833	378.4218	626.65	. Q V . . . .
11.917	382.7828	633.22	. Q V . . . .
12.000	387.1893	639.83	. Q V . . . .
12.083	391.6559	648.55	. Q V . . . .
12.167	396.1978	659.47	. Q V . . . .
12.250	400.8279	672.29	. Q V . . . .
12.333	405.5658	687.95	. Q V . . . .
12.417	410.4274	705.92	. Q V . . . .
12.500	415.4344	727.01	. Q V . . . .
12.583	420.6040	750.63	. Q V . . . .
12.667	425.9777	780.25	. Q V . . . .
12.750	431.6291	820.59	. Q V . . . .
12.833	437.4817	849.80	. Q V . . . .
12.917	443.5061	874.74	. Q V . . . .
13.000	449.6748	895.69	. Q V . . . .
13.083	455.9812	915.69	. Q V. . . . .
13.167	462.4160	934.33	. Q V. . . . .
13.250	468.9766	952.59	. Q V. . . . .
13.333	475.6536	969.51	. Q V. . . . .
13.417	482.4480	986.54	. Q V. . . . .
13.500	489.3592	1003.50	. Q V. . . . .
13.583	496.3859	1020.29	. Q V. . . . .
13.667	503.5298	1037.29	. Q V. . . . .
13.750	510.7961	1055.07	. Q V . . . .
13.833	518.1870	1073.16	. Q V . . . .
13.917	525.7136	1092.87	. Q V . . . .
14.000	533.3854	1113.96	. Q V . . . .
14.083	541.2859	1147.14	. Q V . . . .
14.167	549.5083	1193.89	. Q V . . . .
14.250	558.1329	1252.29	. Q .V . . . .
14.333	567.2855	1328.97	. Q .V . . . .
14.417	577.0646	1419.92	. Q .V . . . .
14.500	587.5966	1529.25	. Q .V . . . .
14.583	598.9811	1653.04	. Q .V . . . .
14.667	611.4451	1809.77	. Q . V . . . .
14.750	625.3917	2025.05	. Q V . . . .
14.833	640.4052	2179.95	. Q V . . . .
14.917	656.3291	2312.16	. .QV . . . .
15.000	673.0206	2423.61	. .Q V . . . .
15.083	690.4509	2530.88	. . QV . . . .
15.167	708.5805	2632.42	. . QV . . . .
15.250	727.4106	2734.13	. . QV . . . .
15.333	746.9093	2831.21	. . QV . . . .
15.417	766.9788	2914.10	. . QV . . . .
15.500	787.4969	2979.23	. . QV . . . .
15.583	808.3951	3034.41	. . QV . . . .
15.667	829.5411	3070.40	. . QV . . . .
15.750	850.9122	3103.09	. . QV . . . .
15.833	872.4171	3122.50	. . Q V . . . .
15.917	894.1872	3161.02	. . Q V . . . .
16.000	916.2424	3202.42	. . Q V . . . .
16.083	939.5098	3378.42	. . Q V . . . .
16.167	965.2238	3733.68	. . QV. . . . .
16.250	993.4692	4101.23	. . VQ . . . .
16.333	1025.3831	4633.90	. . V Q . . . .
16.417	1060.6456	5120.13	. . V Q . . . .
16.500	1100.1050	5729.51	. .V Q . . . .
16.583	1143.4655	6295.94	. . V .Q . . . .
16.667	1192.7780	7160.17	. . . V . Q . . .
16.750	1248.5070	8091.85	. . . V . Q.
16.833	1293.8918	6589.89	. . . V . Q . . .
16.917	1333.4764	5747.68	. . . V Q . . . .
17.000	1368.6704	5110.16	. . . Q V . . . .
17.083	1402.4688	4907.53	. . . Q V . . . .
17.167	1434.3495	4629.08	. . . Q V . . . .
17.250	1464.4817	4375.20	. . .Q V . . . .
17.333	1492.3303	4043.62	. . Q. V. . . . .
17.417	1518.5837	3811.99	. . Q . V. . . . .
17.500	1543.3590	3597.36	. . Q . V . . . .
17.583	1566.1343	3306.97	. . Q . V . . . .
17.667	1587.2417	3064.80	. . Q . .V . . . .
17.750	1606.1378	2743.72	. . Q . .V . . . .
17.833	1623.2714	2487.78	. . Q . . V . . . .
17.917	1639.1564	2306.51	. .Q . . V . . . .
18.000	1654.0908	2168.49	. Q . . V . . . .
18.083	1668.1936	2047.73	. Q . . V . . . .
18.167	1681.3976	1917.22	. Q. . . V . . . .
18.250	1693.8790	1812.30	. Q . . . V . . . .
18.333	1705.5912	1700.61	. Q . . . V . . . .
18.417	1716.6542	1606.34	. Q . . . V . . . .
18.500	1727.1525	1524.35	. Q . . . V . . . .
18.583	1736.9102	1416.82	. Q . . . V . . . .
18.667	1745.9828	1317.35	. Q . . . V . . . .
18.750	1754.5200	1239.60	. Q . . . V . . . .
18.833	1762.6394	1178.94	. Q . . . V . . . .
18.917	1770.3486	1119.38	. Q . . . V . . . .
19.000	1777.6024	1053.25	. Q . . . V . . . .
19.083	1784.2437	964.31	. Q . . . V . . . .
19.167	1790.5671	918.18	. Q . . . V . . . .
19.250	1796.6511	883.40	. Q . . . V . . . .
19.333	1802.5364	854.54	. Q . . . V . . . .
19.417	1808.2213	825.45	. Q . . . V . . . .
19.500	1813.7134	797.44	. Q . . . V . . . .
19.583	1819.0369	772.97	. Q . . . V . . . .
19.667	1824.2148	751.84	. Q . . . V . . . .
19.750	1829.2578	732.25	. Q . . . V . . . .
19.833	1834.1747	713.93	. Q . . . V . . . .
19.917	1838.9674	695.91	. Q . . . V . . . .
20.000	1843.6428	678.87	. Q . . . V . . . .
20.083	1848.2219	664.89	. Q . . . V . . . .
20.167	1852.7145	652.32	. Q . . . V . . . .
20.250	1857.1229	640.11	. Q . . . V . . . .
20.333	1861.4519	628.57	. Q . . . V . . . .
20.417	1865.6989	616.66	. Q . . . V . . . .
20.500	1869.8691	605.53	. Q . . . V . . . .
20.583	1873.9708	595.57	. Q . . . V . . . .
20.667	1878.0073	586.10	. Q . . . V . . . .
20.750	1881.9790	576.69	. Q . . . V . . . .
20.833	1885.8864	567.34	. Q . . . V . . . .
20.917	1889.7290	557.96	. Q . . . V . . . .
21.000	1893.5035	548.06	. Q . . . V . . . .
21.083	1897.2205	539.69	. Q . . . V . . . .
21.167	1900.8866	532.32	. Q . . . V . . . .
21.250	1904.5061	525.55	. Q . . . V . . . .
21.333	1908.0785	518.71	. Q . . . V . . . .
21.417	1911.6039	511.88	. Q . . . V . . . .

21.500	1915.0817	504.98	.	Q	.	.	.	V	.
21.583	1918.5100	497.79	.	Q	.	.	.	V	.
21.667	1921.8829	489.75	.	Q	.	.	.	V	.
21.750	1925.1906	480.27	.	Q	.	.	.	V	.
21.833	1928.4030	466.44	.	Q	.	.	.	V	.
21.917	1931.5333	454.53	.	Q	.	.	.	V	.
22.000	1934.6207	448.29	.	Q	.	.	.	V	.
22.083	1937.6705	442.83	.	Q	.	.	.	V	.
22.167	1940.6820	437.27	.	Q	.	.	.	V	.
22.250	1943.6537	431.49	.	Q	.	.	.	V	.
22.333	1946.5870	425.92	.	Q	.	.	.	V	.
22.417	1949.4828	420.45	.	Q	.	.	.	V	.
22.500	1952.3413	415.07	.	Q	.	.	.	V	.
22.583	1955.1621	409.59	.	Q	.	.	.	V	.
22.667	1957.9415	403.57	.	Q	.	.	.	V	.
22.750	1960.6740	396.76	.	Q	.	.	.	V	.
22.833	1963.3748	392.16	.	Q	.	.	.	V	.
22.917	1966.0481	388.18	.	Q	.	.	.	V	.
23.000	1968.6952	384.37	.	Q	.	.	.	V	.
23.083	1971.3162	380.56	.	Q	.	.	.	V	.
23.167	1973.9115	376.84	.	Q	.	.	.	V	.
23.250	1976.4819	373.24	.	Q	.	.	.	V	.
23.333	1979.0283	369.73	.	Q	.	.	.	V	.
23.417	1981.5511	366.32	.	Q	.	.	.	V	.
23.500	1984.0509	362.97	.	Q	.	.	.	V	.
23.583	1986.5282	359.71	.	Q	.	.	.	V	.
23.667	1988.9839	356.57	.	Q	.	.	.	V	.
23.750	1991.4189	353.57	.	Q	.	.	.	V	.
23.833	1993.8344	350.73	.	Q	.	.	.	V	.
23.917	1996.2307	347.96	.	Q	.	.	.	V	.
24.000	1998.6085	345.26	.	Q	.	.	.	V	.
24.083	2000.9518	340.24	.	Q	.	.	.	V	.
24.167	2003.2413	332.44	.	Q	.	.	.	V	.
24.250	2005.4637	322.69	.	Q	.	.	.	V	.
24.333	2007.5938	309.29	.	Q	.	.	.	V	.
24.417	2009.6149	293.47	.	Q	.	.	.	V	.
24.500	2011.5000	273.71	.	Q	.	.	.	V	.
24.583	2013.2311	251.35	.	Q	.	.	.	V	.
24.667	2014.7552	221.32	.	Q	.	.	.	V	.
24.750	2015.9803	177.89	Q	.	.	.	.	V	.
24.833	2017.0125	149.86	Q	.	.	.	.	V	.
24.917	2017.8972	128.46	Q	.	.	.	.	V	.
25.000	2018.6738	112.76	Q	.	.	.	.	V	.
25.083	2019.3571	99.21	Q	.	.	.	.	V	.
25.167	2019.9618	87.81	Q	.	.	.	.	V	.
25.250	2020.4977	77.82	Q	.	.	.	.	V	.
25.333	2020.9795	69.96	Q	.	.	.	.	V	.
25.417	2021.4128	62.92	Q	.	.	.	.	V	.
25.500	2021.8007	56.31	Q	.	.	.	.	V	.
25.583	2022.1522	51.04	Q	.	.	.	.	V	.
25.667	2022.4695	46.06	Q	.	.	.	.	V	.
25.750	2022.7577	41.84	Q	.	.	.	.	V	.
25.833	2023.0221	38.40	Q	.	.	.	.	V	.
25.917	2023.2648	35.23	Q	.	.	.	.	V	.
26.000	2023.4868	32.25	Q	.	.	.	.	V	.
26.083	2023.6890	29.35	Q	.	.	.	.	V	.
26.167	2023.8733	26.77	Q	.	.	.	.	V	.
26.250	2024.0399	24.20	Q	.	.	.	.	V	.
26.333	2024.1901	21.79	Q	.	.	.	.	V	.
26.417	2024.3203	18.91	Q	.	.	.	.	V	.
26.500	2024.4370	16.95	Q	.	.	.	.	V	.
26.583	2024.5436	15.48	Q	.	.	.	.	V	.
26.667	2024.6425	14.36	Q	.	.	.	.	V	.
26.750	2024.7333	13.19	Q	.	.	.	.	V	.
26.833	2024.8163	12.06	Q	.	.	.	.	V	.
26.917	2024.8917	10.95	Q	.	.	.	.	V	.
27.000	2024.9603	9.97	Q	.	.	.	.	V	.
27.083	2025.0256	9.49	Q	.	.	.	.	V	.
27.167	2025.0881	9.08	Q	.	.	.	.	V	.
27.250	2025.1479	8.69	Q	.	.	.	.	V	.
27.333	2025.2052	8.31	Q	.	.	.	.	V	.
27.417	2025.2601	7.98	Q	.	.	.	.	V	.
27.500	2025.3129	7.66	Q	.	.	.	.	V	.
27.583	2025.3635	7.35	Q	.	.	.	.	V	.
27.667	2025.4120	7.04	Q	.	.	.	.	V	.
27.750	2025.4585	6.74	Q	.	.	.	.	V	.
27.833	2025.5029	6.45	Q	.	.	.	.	V	.
27.917	2025.5453	6.16	Q	.	.	.	.	V	.
28.000	2025.5858	5.88	Q	.	.	.	.	V	.
28.083	2025.6244	5.61	Q	.	.	.	.	V	.
28.167	2025.6611	5.33	Q	.	.	.	.	V	.
28.250	2025.6960	5.06	Q	.	.	.	.	V	.
28.333	2025.7291	4.80	Q	.	.	.	.	V	.
28.417	2025.7605	4.55	Q	.	.	.	.	V	.
28.500	2025.7902	4.31	Q	.	.	.	.	V	.
28.583	2025.8182	4.08	Q	.	.	.	.	V	.
28.667	2025.8447	3.85	Q	.	.	.	.	V	.
28.750	2025.8696	3.62	Q	.	.	.	.	V	.
28.833	2025.8929	3.39	Q	.	.	.	.	V	.
28.917	2025.9147	3.16	Q	.	.	.	.	V	.
29.000	2025.9351	2.95	Q	.	.	.	.	V	.
29.083	2025.9540	2.75	Q	.	.	.	.	V	.
29.167	2025.9714	2.54	Q	.	.	.	.	V	.
29.250	2025.9875	2.34	Q	.	.	.	.	V	.
29.333	2026.0023	2.14	Q	.	.	.	.	V	.
29.417	2026.0156	1.94	Q	.	.	.	.	V	.
29.500	2026.0276	1.74	Q	.	.	.	.	V	.
29.583	2026.0382	1.55	Q	.	.	.	.	V	.
29.667	2026.0476	1.36	Q	.	.	.	.	V	.
29.750	2026.0557	1.18	Q	.	.	.	.	V	.
29.833	2026.0630	1.07	Q	.	.	.	.	V	.
29.917	2026.0699	1.02	Q	.	.	.	.	V	.
30.000	2026.0767	0.97	Q	.	.	.	.	V	.
30.083	2026.0830	0.92	Q	.	.	.	.	V	.
30.167	2026.0890	0.87	Q	.	.	.	.	V	.
30.250	2026.0946	0.82	Q	.	.	.	.	V	.
30.333	2026.1000	0.77	Q	.	.	.	.	V	.
30.417	2026.1050	0.72	Q	.	.	.	.	V	.
30.500	2026.1096	0.68	Q	.	.	.	.	V	.
30.583	2026.1140	0.63	Q	.	.	.	.	V	.
30.667	2026.1180	0.59	Q	.	.	.	.	V	.
30.750	2026.1219	0.57	Q	.	.	.	.	V	.
30.833	2026.1257	0.56	Q	.	.	.	.	V	.
30.917	2026.1294	0.54	Q	.	.	.	.	V	.
31.000	2026.1331	0.52	Q	.	.	.	.	V	.
31.083	2026.1366	0.51	Q	.	.	.	.	V	.
31.167	2026.1400	0.49	Q	.	.	.	.	V	.
31.250	2026.1433	0.48	Q	.	.	.	.	V	.
31.333	2026.1465	0.46	Q	.	.	.	.	V	.
31.417	2026.1495	0.45	Q	.	.	.	.	V	.
31.500	2026.1525	0.43	Q	.	.	.	.	V	.
31.583	2026.1554	0.42	Q	.	.	.	.	V	.
31.667	2026.1582	0.40	Q	.	.	.	.	V	.
31.750	2026.1609	0.39	Q	.	.	.	.	V	.
31.833	2026.1635	0.38	Q	.	.	.	.	V	.
31.917	2026.1659	0.36	Q	.	.	.	.	V	.
32.000	2026.1683	0.35	Q	.	.	.	.	V	.
32.083	2026.1707	0.33	Q	.	.	.	.	V	.
32.167	2026.1729	0.32	Q	.	.	.	.	V	.
32.250	2026.1749	0.31	Q	.	.	.	.	V	.
32.333	2026.1769	0.29	Q	.	.	.	.	V	.
32.417	2026.1788	0.28	Q	.	.	.	.	V	.
32.500	2026.1807	0.27	Q	.	.	.	.	V	.
32.583	2026.1824	0.25	Q	.	.	.	.	V	.

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  32.667   2026.1841      0.24  Q          .          .          .          V.
  32.750   2026.1857      0.23  Q          .          .          .          V.
  32.833   2026.1871      0.21  Q          .          .          .          V.
  32.917   2026.1885      0.20  Q          .          .          .          V.
  33.000   2026.1898      0.19  Q          .          .          .          V.
  33.083   2026.1910      0.18  Q          .          .          .          V.
  33.167   2026.1921      0.16  Q          .          .          .          V.
  33.250   2026.1932      0.15  Q          .          .          .          V.
  33.333   2026.1942      0.14  Q          .          .          .          V.
  33.417   2026.1951      0.13  Q          .          .          .          V.
  33.500   2026.1958      0.12  Q          .          .          .          V.
  33.583   2026.1965      0.10  Q          .          .          .          V.
  33.667   2026.1971      0.09  Q          .          .          .          V.
  33.750   2026.1976      0.08  Q          .          .          .          V.
  33.833   2026.1981      0.07  Q          .          .          .          V.
  33.917   2026.1985      0.06  Q          .          .          .          V.
  34.000   2026.1989      0.04  Q          .          .          .          V.
  34.083   2026.1991      0.03  Q          .          .          .          V.
  34.167   2026.1992      0.02  Q          .          .          .          V.
  34.250   2026.1993      0.01  Q          .          .          .          V.


****************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =   6
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  >>>>>STREAM NUMBER 2 CLEARED AND SET TO ZERO<<<<<
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  END OF FLOODSCx ROUTING ANALYSIS
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PRELIMINARY DRAFT – FOR INTERNAL USE ONLY

HYDROLOGY ANALYSIS FOR CANADA GOBERNADORA PROPOSED CONDITION 100-YEAR HIGH CONFIDENCE STORM EVENT (MULTI-DAY HYDROGRAPH)

Losses

Node	E0780
Total Area (ac)	4,741.3
24-Hour Rainfall Depth (in)	5.63
Fm (in/hr)	0.19
Y-Bar	0.45

Description	Ap	Curve Number (AMC II)				Subarea (ac)				Total (ac)			
	%	A	B	C	D	A	B	C	D	A	B	C	D
Commercial	10	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-7 Dwellings / Acre	50	32	56	69	75	0.0	45.1	64.8	11.0	0.0	45.1	64.8	11.0
3-4 Dwellings / Acre	60	32	56	69	75	0.0	0.0	896.8	0.0	0.0	0.0	896.8	0.0
2 Dwellings / Acre	70	32	56	69	75	0.0	0.0	1,034.3	0.0	0.0	0.0	1,034.3	0.0
1 Dwelling / 2.5 Acre	90	32	56	69	75	0.0	28.7	1,593.6	0.0	0.0	28.7	1,593.6	0.0
Public Park	85	32	56	69	75	0.0	0.0	1,067.0	0.0	0.0	0.0	1,067.0	0.0
Barren (Poor)	100	78	86	91	93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chaparral, Broadleaf (Fair)	100	40	63	75	81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chaparral, Narrowleaf (Fair)	100	55	72	81	86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grass (Fair)	100	50	69	79	84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meadows or Cienegas (Good)	100	30	58	71	78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Open Brush (Fair)	100	46	66	77	83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Woodland (Fair)	100	36	60	73	79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fallow (Poor)	100	77	86	91	94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Orchards, Evergreen (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pasture, Dryland (Fair)	100	49	69	79	84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Turf (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Description		S				Ia				Y			
		A	B	C	D	A	B	C	D	A	B	C	D
Commercial		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
5-7 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
3-4 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
2 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
1 Dwelling / 2.5 Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Public Park		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Barren (Poor)		2.82	1.63	0.99	0.75	0.56	0.33	0.20	0.15	0.58	0.72	0.82	0.86
Chaparral, Broadleaf (Fair)		15.00	5.87	3.33	2.35	3.00	1.17	0.67	0.47	0.07	0.34	0.53	0.63
Chaparral, Narrowleaf (Fair)		8.18	3.89	2.35	1.63	1.64	0.78	0.47	0.33	0.23	0.48	0.63	0.72
Grass (Fair)		10.00	4.49	2.66	1.90	2.00	0.90	0.53	0.38	0.17	0.43	0.60	0.68
Meadows or Cienegas (Good)		23.33	7.24	4.08	2.82	4.67	1.45	0.82	0.56	0.01	0.27	0.46	0.58
Open Brush (Fair)		11.74	5.15	2.99	2.05	2.35	1.03	0.60	0.41	0.13	0.39	0.56	0.67
Woodland (Fair)		17.78	6.67	3.70	2.66	3.56	1.33	0.74	0.53	0.04	0.30	0.49	0.60
Fallow (Poor)		2.99	1.63	0.99	0.64	0.60	0.33	0.20	0.13	0.56	0.72	0.82	0.88
Orchards, Evergreen (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65
Pasture, Dryland (Fair)		10.41	4.49	2.66	1.90	2.08	0.90	0.53	0.38	0.16	0.43	0.60	0.68
Turf (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65

Losses

Node	P6311
Total Area (ac)	299.3
24-Hour Rainfall Depth (in)	5.63
Fm (in/hr)	0.26
Y-Bar	0.49

	Ap	Curve Number (AMC II)				Subarea (ac)				Total (ac)			
Description	%	A	B	C	D	A	B	C	D	A	B	C	D
Commercial	10	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11+ Dwellings / Acre	20	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-7 Dwellings / Acre	50	32	56	69	75	0.6	9.3	6.4	0.2	0.6	9.3	6.4	0.2
3-4 Dwellings / Acre	60	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Public Park	85	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barren (Poor)	100	78	86	91	93	6.5	0.0	0.0	0.0	6.5	0.0	0.0	0.0
Chaparral, Broadleaf (Fair)	100	40	63	75	81	0.0	15.4	46.7	13.6	0.0	15.4	46.7	13.6
Chaparral, Narrowleaf (Fair)	100	55	72	81	86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grass (Fair)	100	50	69	79	84	2.3	8.0	31.7	18.2	2.3	8.0	31.7	18.2
Meadows or Cienegas (Fair)	100	51	70	80	84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meadows or Cienegas (Good)	100	30	58	71	78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Open Brush (Fair)	100	46	66	77	83	0.0	1.8	44.5	22.2	0.0	1.8	44.5	22.2
Woodland (Fair)	100	36	60	73	79	5.1	0.2	3.5	0.4	5.1	0.2	3.5	0.4
Fallow (Poor)	100	77	86	91	94	1.3	1.1	0.2	0.2	1.3	1.1	0.2	0.2
Orchards, Evergreen (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pasture, Dryland (Fair)	100	49	69	79	84	30.4	11.9	9.5	8.1	30.4	11.9	9.5	8.1
Turf (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

		S				Ia				Y			
Description		A	B	C	D	A	B	C	D	A	B	C	D
Commercial		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
11+ Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
5-7 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
3-4 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Public Park		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Barren (Poor)		2.82	1.63	0.99	0.75	0.56	0.33	0.20	0.15	0.58	0.72	0.82	0.86
Chaparral, Broadleaf (Fair)		15.00	5.87	3.33	2.35	3.00	1.17	0.67	0.47	0.07	0.34	0.53	0.63
Chaparral, Narrowleaf (Fair)		8.18	3.89	2.35	1.63	1.64	0.78	0.47	0.33	0.23	0.48	0.63	0.72
Grass (Fair)		10.00	4.49	2.66	1.90	2.00	0.90	0.53	0.38	0.17	0.43	0.60	0.68
Meadows or Cienegas (Fair)		9.61	4.29	2.50	1.90	1.92	0.86	0.50	0.38	0.18	0.45	0.61	0.68
Meadows or Cienegas (Good)		23.33	7.24	4.08	2.82	4.67	1.45	0.82	0.56	0.01	0.27	0.46	0.58
Open Brush (Fair)		11.74	5.15	2.99	2.05	2.35	1.03	0.60	0.41	0.13	0.39	0.56	0.67
Woodland (Fair)		17.78	6.67	3.70	2.66	3.56	1.33	0.74	0.53	0.04	0.30	0.49	0.60
Fallow (Poor)		2.99	1.63	0.99	0.64	0.60	0.33	0.20	0.13	0.56	0.72	0.82	0.88
Orchards, Evergreen (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65
Pasture, Dryland (Fair)		10.41	4.49	2.66	1.90	2.08	0.90	0.53	0.38	0.16	0.43	0.60	0.68
Turf (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65

Losses

Node	P6330
Total Area (ac)	300.7
24-Hour Rainfall Depth (in)	5.63
Fm (in/hr)	0.24
Y-Bar	0.42

Description	Ap	Curve Number (AMC II)				Subarea (ac)				Total (ac)			
	%	A	B	C	D	A	B	C	D	A	B	C	D
Commercial	10	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11+ Dwellings / Acre	20	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-7 Dwellings / Acre	50	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4 Dwellings / Acre	60	32	56	69	75	0.0	0.0	0.0	7.2	0.0	0.0	0.0	7.2
Public Park	85	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barren (Poor)	100	78	86	91	93	13.3	4.6	0.2	0.0	13.3	4.6	0.2	0.0
Chaparral, Broadleaf (Fair)	100	40	63	75	81	0.0	2.8	6.9	47.0	0.0	2.8	6.9	47.0
Chaparral, Narrowleaf (Fair)	100	55	72	81	86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grass (Fair)	100	50	69	79	84	0.0	8.4	0.0	4.4	0.0	8.4	0.0	4.4
Meadows or Cienegas (Fair)	100	51	70	80	84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meadows or Cienegas (Good)	100	30	58	71	78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Open Brush (Fair)	100	46	66	77	83	1.3	7.8	34.5	35.8	1.3	7.8	34.5	35.8
Woodland (Fair)	100	36	60	73	79	1.5	3.7	0.4	6.2	1.5	3.7	0.4	6.2
Fallow (Poor)	100	77	86	91	94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Orchards, Evergreen (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pasture, Dryland (Fair)	100	49	69	79	84	5.1	38.2	15.2	56.2	5.1	38.2	15.2	56.2
Turf (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Description		S				Ia				Y			
		A	B	C	D	A	B	C	D	A	B	C	D
Commercial		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
11+ Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
5-7 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
3-4 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Public Park		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Barren (Poor)		2.82	1.63	0.99	0.75	0.56	0.33	0.20	0.15	0.58	0.72	0.82	0.86
Chaparral, Broadleaf (Fair)		15.00	5.87	3.33	2.35	3.00	1.17	0.67	0.47	0.07	0.34	0.53	0.63
Chaparral, Narrowleaf (Fair)		8.18	3.89	2.35	1.63	1.64	0.78	0.47	0.33	0.23	0.48	0.63	0.72
Grass (Fair)		10.00	4.49	2.66	1.90	2.00	0.90	0.53	0.38	0.17	0.43	0.60	0.68
Meadows or Cienegas (Fair)		9.61	4.29	2.50	1.90	1.92	0.86	0.50	0.38	0.18	0.45	0.61	0.68
Meadows or Cienegas (Good)		23.33	7.24	4.08	2.82	4.67	1.45	0.82	0.56	0.01	0.27	0.46	0.58
Open Brush (Fair)		11.74	5.15	2.99	2.05	2.35	1.03	0.60	0.41	0.13	0.39	0.56	0.67
Woodland (Fair)		17.78	6.67	3.70	2.66	3.56	1.33	0.74	0.53	0.04	0.30	0.49	0.60
Fallow (Poor)		2.99	1.63	0.99	0.64	0.60	0.33	0.20	0.13	0.56	0.72	0.82	0.88
Orchards, Evergreen (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65
Pasture, Dryland (Fair)		10.41	4.49	2.66	1.90	2.08	0.90	0.53	0.38	0.16	0.43	0.60	0.68
Turf (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65

Losses

Node	P6355
Total Area (ac)	697.9
24-Hour Rainfall Depth (in)	5.63
Fm (in/hr)	0.21
Y-Bar	0.36

Description	Ap	Curve Number (AMC II)				Subarea (ac)				Total (ac)			
	%	A	B	C	D	A	B	C	D	A	B	C	D
Commercial	10	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11+ Dwellings / Acre	20	32	56	69	75	0.0	4.7	12.0	16.9	0.0	4.7	12.0	16.9
5-7 Dwellings / Acre	50	32	56	69	75	0.0	28.0	92.7	51.3	0.0	28.0	92.7	51.3
3-4 Dwellings / Acre	60	32	56	69	75	0.0	5.1	2.7	16.7	0.0	5.1	2.7	16.7
Public Park	85	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barren (Poor)	100	78	86	91	93	27.5	75.0	14.4	1.8	27.5	75.0	14.4	1.8
Chaparral, Broadleaf (Fair)	100	40	63	75	81	0.0	9.9	52.7	21.3	0.0	9.9	52.7	21.3
Chaparral, Narrowleaf (Fair)	100	55	72	81	86	0.0	0.0	6.2	2.0	0.0	0.0	6.2	2.0
Grass (Fair)	100	50	69	79	84	0.0	17.5	61.8	20.4	0.0	17.5	61.8	20.4
Meadows or Cienegas (Fair)	100	51	70	80	84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meadows or Cienegas (Good)	100	30	58	71	78	0.4	0.0	4.0	0.0	0.4	0.0	4.0	0.0
Open Brush (Fair)	100	46	66	77	83	0.0	5.4	39.7	31.9	0.0	5.4	39.7	31.9
Woodland (Fair)	100	36	60	73	79	1.8	8.1	9.6	3.8	1.8	8.1	9.6	3.8
Fallow (Poor)	100	77	86	91	94	0.0	2.2	8.0	10.7	0.0	2.2	8.0	10.7
Orchards, Evergreen (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pasture, Dryland (Fair)	100	49	69	79	84	2.2	12.3	5.7	11.5	2.2	12.3	5.7	11.5
Turf (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Description		S				Ia				Y			
		A	B	C	D	A	B	C	D	A	B	C	D
Commercial		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
11+ Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
5-7 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
3-4 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Public Park		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Barren (Poor)		2.82	1.63	0.99	0.75	0.56	0.33	0.20	0.15	0.58	0.72	0.82	0.86
Chaparral, Broadleaf (Fair)		15.00	5.87	3.33	2.35	3.00	1.17	0.67	0.47	0.07	0.34	0.53	0.63
Chaparral, Narrowleaf (Fair)		8.18	3.89	2.35	1.63	1.64	0.78	0.47	0.33	0.23	0.48	0.63	0.72
Grass (Fair)		10.00	4.49	2.66	1.90	2.00	0.90	0.53	0.38	0.17	0.43	0.60	0.68
Meadows or Cienegas (Fair)		9.61	4.29	2.50	1.90	1.92	0.86	0.50	0.38	0.18	0.45	0.61	0.68
Meadows or Cienegas (Good)		23.33	7.24	4.08	2.82	4.67	1.45	0.82	0.56	0.01	0.27	0.46	0.58
Open Brush (Fair)		11.74	5.15	2.99	2.05	2.35	1.03	0.60	0.41	0.13	0.39	0.56	0.67
Woodland (Fair)		17.78	6.67	3.70	2.66	3.56	1.33	0.74	0.53	0.04	0.30	0.49	0.60
Fallow (Poor)		2.99	1.63	0.99	0.64	0.60	0.33	0.20	0.13	0.56	0.72	0.82	0.88
Orchards, Evergreen (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65
Pasture, Dryland (Fair)		10.41	4.49	2.66	1.90	2.08	0.90	0.53	0.38	0.16	0.43	0.60	0.68
Turf (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65

Losses

Node	P6371
Total Area (ac)	922.3
24-Hour Rainfall Depth (in)	5.63
Fm (in/hr)	0.12
Y-Bar	0.25

Description	Ap	Curve Number (AMC II)				Subarea (ac)				Total (ac)			
	%	A	B	C	D	A	B	C	D	A	B	C	D
Commercial	10	32	56	69	75	0.0	0.0	0.2	0.3	0.0	0.0	0.2	0.3
11+ Dwellings / Acre	20	32	56	69	75	1.9	27.1	200.9	212.2	1.9	27.1	200.9	212.2
5-7 Dwellings / Acre	50	32	56	69	75	0.0	1.0	3.5	34.3	0.0	1.0	3.5	34.3
3-4 Dwellings / Acre	60	32	56	69	75	0.0	49.2	120.2	98.1	0.0	49.2	120.2	98.1
Public Park	85	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barren (Poor)	100	78	86	91	93	0.0	37.5	28.4	0.9	0.0	37.5	28.4	0.9
Chaparral, Broadleaf (Fair)	100	40	63	75	81	0.0	0.2	4.4	0.0	0.0	0.2	4.4	0.0
Chaparral, Narrowleaf (Fair)	100	55	72	81	86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grass (Fair)	100	50	69	79	84	0.0	10.6	28.0	16.3	0.0	10.6	28.0	16.3
Meadows or Cienegas (Fair)	100	51	70	80	84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meadows or Cienegas (Good)	100	30	58	71	78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Open Brush (Fair)	100	46	66	77	83	0.0	1.6	24.9	0.2	0.0	1.6	24.9	0.2
Woodland (Fair)	100	36	60	73	79	0.0	8.0	11.1	1.1	0.0	8.0	11.1	1.1
Fallow (Poor)	100	77	86	91	94	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0
Orchards, Evergreen (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pasture, Dryland (Fair)	100	49	69	79	84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Turf (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Description		S				Ia				Y			
		A	B	C	D	A	B	C	D	A	B	C	D
Commercial		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
11+ Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
5-7 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
3-4 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Public Park		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Barren (Poor)		2.82	1.63	0.99	0.75	0.56	0.33	0.20	0.15	0.58	0.72	0.82	0.86
Chaparral, Broadleaf (Fair)		15.00	5.87	3.33	2.35	3.00	1.17	0.67	0.47	0.07	0.34	0.53	0.63
Chaparral, Narrowleaf (Fair)		8.18	3.89	2.35	1.63	1.64	0.78	0.47	0.33	0.23	0.48	0.63	0.72
Grass (Fair)		10.00	4.49	2.66	1.90	2.00	0.90	0.53	0.38	0.17	0.43	0.60	0.68
Meadows or Cienegas (Fair)		9.61	4.29	2.50	1.90	1.92	0.86	0.50	0.38	0.18	0.45	0.61	0.68
Meadows or Cienegas (Good)		23.33	7.24	4.08	2.82	4.67	1.45	0.82	0.56	0.01	0.27	0.46	0.58
Open Brush (Fair)		11.74	5.15	2.99	2.05	2.35	1.03	0.60	0.41	0.13	0.39	0.56	0.67
Woodland (Fair)		17.78	6.67	3.70	2.66	3.56	1.33	0.74	0.53	0.04	0.30	0.49	0.60
Fallow (Poor)		2.99	1.63	0.99	0.64	0.60	0.33	0.20	0.13	0.56	0.72	0.82	0.88
Orchards, Evergreen (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65
Pasture, Dryland (Fair)		10.41	4.49	2.66	1.90	2.08	0.90	0.53	0.38	0.16	0.43	0.60	0.68
Turf (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65

Losses

Node	P6395
Total Area (ac)	329.6
24-Hour Rainfall Depth (in)	5.63
Fm (in/hr)	0.15
Y-Bar	0.34

	Ap	Curve Number (AMC II)				Subarea (ac)				Total (ac)			
Description	%	A	B	C	D	A	B	C	D	A	B	C	D
Commercial	10	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11+ Dwellings / Acre	20	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-7 Dwellings / Acre	50	32	56	69	75	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.2
3-4 Dwellings / Acre	60	32	56	69	75	0.0	22.5	69.8	185.8	0.0	22.5	69.8	185.8
Public Park	85	32	56	69	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barren (Poor)	100	78	86	91	93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chaparral, Broadleaf (Fair)	100	40	63	75	81	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.0
Chaparral, Narrowleaf (Fair)	100	55	72	81	86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Grass (Fair)	100	50	69	79	84	0.2	2.3	5.8	18.4	0.2	2.3	5.8	18.4
Meadows or Cienegas (Fair)	100	51	70	80	84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meadows or Cienegas (Good)	100	30	58	71	78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Open Brush (Fair)	100	46	66	77	83	0.0	0.0	5.3	4.6	0.0	0.0	5.3	4.6
Woodland (Fair)	100	36	60	73	79	0.2	3.8	3.9	5.0	0.2	3.8	3.9	5.0
Fallow (Poor)	100	77	86	91	94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Orchards, Evergreen (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pasture, Dryland (Fair)	100	49	69	79	84	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.4
Turf (Fair)	100	44	65	77	82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

		S				Ia				Y			
Description		A	B	C	D	A	B	C	D	A	B	C	D
Commercial		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
11+ Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
5-7 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
3-4 Dwellings / Acre		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Public Park		21.25	7.86	4.49	3.33	4.25	1.57	0.90	0.67	0.01	0.25	0.43	0.53
Impervious		0.20	0.20	0.20	0.20	0.04	0.04	0.04	0.04	0.96	0.96	0.96	0.96
Barren (Poor)		2.82	1.63	0.99	0.75	0.56	0.33	0.20	0.15	0.58	0.72	0.82	0.86
Chaparral, Broadleaf (Fair)		15.00	5.87	3.33	2.35	3.00	1.17	0.67	0.47	0.07	0.34	0.53	0.63
Chaparral, Narrowleaf (Fair)		8.18	3.89	2.35	1.63	1.64	0.78	0.47	0.33	0.23	0.48	0.63	0.72
Grass (Fair)		10.00	4.49	2.66	1.90	2.00	0.90	0.53	0.38	0.17	0.43	0.60	0.68
Meadows or Cienegas (Fair)		9.61	4.29	2.50	1.90	1.92	0.86	0.50	0.38	0.18	0.45	0.61	0.68
Meadows or Cienegas (Good)		23.33	7.24	4.08	2.82	4.67	1.45	0.82	0.56	0.01	0.27	0.46	0.58
Open Brush (Fair)		11.74	5.15	2.99	2.05	2.35	1.03	0.60	0.41	0.13	0.39	0.56	0.67
Woodland (Fair)		17.78	6.67	3.70	2.66	3.56	1.33	0.74	0.53	0.04	0.30	0.49	0.60
Fallow (Poor)		2.99	1.63	0.99	0.64	0.60	0.33	0.20	0.13	0.56	0.72	0.82	0.88
Orchards, Evergreen (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65
Pasture, Dryland (Fair)		10.41	4.49	2.66	1.90	2.08	0.90	0.53	0.38	0.16	0.43	0.60	0.68
Turf (Fair)		12.73	5.38	2.99	2.20	2.55	1.08	0.60	0.44	0.11	0.37	0.56	0.65

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                         Analysis prepared by:

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                             714 - 734 - 5100

--------------------------------------------------------------------------
  FILE NAME: CP63CH-M.FLD
  TIME/DATE OF STUDY: 13:17 04/01/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    780.00 IS CODE =   1
--------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  4741.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
==========================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

        WATERSHED AREA =    4741.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.480 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  1.000
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.190
        LOW LOSS FRACTION = 0.550
        *HYDROGRAPH MODEL #1 SPECIFIED*

        SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
        SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
        SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
        SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
        SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
        SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

        *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
          5-MINUTE FACTOR = 0.793
         30-MINUTE FACTOR = 0.793
          1-HOUR FACTOR = 0.793
          3-HOUR FACTOR = 0.969
          6-HOUR FACTOR = 0.984
         24-HOUR FACTOR = 0.990

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  17.361

        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
        MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


==========================================================================
                     UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------
        1                1.137               652.130
        2                4.082              1688.625
        3                8.525              2547.514
        4               14.577              3470.279
        5               24.203              5519.575
        6               43.203             10894.611
        7               57.937              8448.228
        8               65.484              4327.674
        9               70.911              3111.621
       10               75.443              2599.076
       11               78.982              2029.171
       12               82.133              1806.516
       13               84.749              1499.854
       14               87.075              1334.078
       15               88.974              1088.566
       16               90.645               958.165
       17               92.163               870.854
       18               93.467               747.418
       19               94.550               621.273
       20               95.489               538.119
       21               96.255               439.106
       22               96.815               321.374
       23               97.375               321.055
       24               97.900               301.316
       25               98.079               102.631
       26               98.169                51.477
       27               98.259                51.411
       28               98.349                51.608
       29               98.439                51.604
       30               98.528                51.219
       31               98.618                51.477
       32               98.708                51.477
       33               98.798                51.608
       34               98.887                51.346
       35               98.977                51.608
       36               99.067                51.604
       37               99.157                51.604
       38               99.247                51.604
       39               99.337                51.604
       40               99.427                51.604
       41               99.517                51.604
       42               99.607                51.604
       43               99.697                51.604
       44               99.787                51.604
       45               99.877                51.604
       46               99.967                51.604
       47              100.000                18.785


--------------------------------------------------------------------------
    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     993.1859
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =    1463.6560
--------------------------------------------------------------------------
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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 2025.0 4050.0 6075.0 8100.0
14.000	382.5607	875.72	. Q V . . .
14.083	388.8354	911.09	. Q V . . .
14.167	395.4516	960.67	. Q V . . .
14.250	402.4846	1021.19	. Q V . . .
14.333	410.0252	1094.90	. Q .V . . .
14.417	418.2438	1193.34	. Q .V . . .
14.500	427.5862	1356.53	. Q .V . . .
14.583	437.8633	1492.23	. Q .V . . .
14.667	448.7657	1583.02	. Q . V . . .
14.750	460.2062	1661.17	. Q . V . . .
14.833	472.1692	1737.02	. Q . V . . .
14.917	484.6229	1808.27	. Q . V . . .
15.000	497.5807	1881.49	. Q. V . . .
15.083	511.0368	1953.82	. Q. V . . .
15.167	525.0175	2029.99	. Q V . . .
15.250	539.5292	2107.09	. Q V . . .
15.333	554.6136	2190.26	. Q V . . .
15.417	570.1863	2261.16	. .Q V . . .
15.500	586.1271	2314.61	. .Q V . . .
15.583	602.3378	2353.79	. .Q V . . .
15.667	618.7654	2385.29	. .Q V . . .
15.750	635.1664	2381.42	. .Q V . . .
15.833	650.8051	2270.74	. .Q V . . .
15.917	666.4456	2271.00	. .Q V . . .
16.000	683.4635	2471.00	. . Q V . . .
16.083	704.0692	2991.95	. . Q V. . .
16.167	729.6202	3710.00	. . QV. . .
16.250	759.8992	4396.52	. . VQ . .
16.333	795.6564	5191.94	. . .V Q . .
16.417	839.2965	6336.55	. . . V .Q .
16.500	895.0574	8096.49	. . . V . Q.
16.583	942.1941	6844.24	. . . V . Q .
16.667	976.4747	4977.55	. . . Q V . .
16.750	1005.6393	4234.69	. . Q V . .
16.833	1033.0155	3975.03	. . Q. V . .
16.917	1058.5345	3705.36	. . Q . V . .
17.000	1082.5542	3487.65	. . Q . V. .
17.083	1104.8390	3235.76	. . Q . V .
17.167	1125.6932	3028.04	. . Q . V .
17.250	1144.9094	2790.18	. . Q . .V .
17.333	1162.7605	2591.97	. . Q . .V .
17.417	1179.2396	2392.77	. .Q . . V .
17.500	1193.8737	2124.86	. Q . . V .
17.583	1206.8674	1886.69	. Q. . . V .
17.667	1218.6790	1715.04	. Q . . . V .
17.750	1229.4158	1558.98	. Q . . . V .
17.833	1239.1486	1413.20	. Q . . . V .
17.917	1248.2129	1316.13	. Q . . . V .
18.000	1256.5792	1214.79	. Q . . . V .
18.083	1263.9249	1066.59	. Q . . . V .
18.167	1270.6771	980.42	. Q . . . V .
18.250	1277.0466	924.85	. Q . . . V .
18.333	1283.0781	875.77	. Q . . . V .
18.417	1288.7410	822.24	. Q . . . V .
18.500	1293.9634	758.30	. Q . . . V .
18.583	1298.8234	705.67	. Q . . . V .
18.667	1303.4199	667.42	. Q . . . V .
18.750	1307.7977	635.65	. Q . . . V .
18.833	1311.9866	608.22	. Q . . . V .
18.917	1316.0081	583.92	. Q . . . V .
19.000	1319.8757	561.58	. Q . . . V .
19.083	1323.6180	543.39	. Q . . . V .
19.167	1327.2483	527.11	. Q . . . V .
19.250	1330.7816	513.04	. Q . . . V .
19.333	1334.2278	500.38	. Q . . . V .
19.417	1337.5909	488.33	. Q . . . V .
19.500	1340.8755	476.91	. Q . . . V .
19.583	1344.0837	465.84	. Q . . . V .
19.667	1347.2164	454.86	. Q . . . V .
19.750	1350.2689	443.22	. Q . . . V .
19.833	1353.2319	430.23	. Q . . . V .
19.917	1356.0327	406.68	. Q . . . V .
20.000	1358.7169	389.75	.Q . . . V .

****
FLOW PROCESS FROM NODE 780.00 TO NODE 6311.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
==========

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 4741.3 Ac. ***

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 20.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 408.00
DOWNSTREAM ELEVATION(FT) = 382.00
CHANNEL LENGTH(FT) = 2533.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 8096.49
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5725.43
CHANNEL NORMAL VELOCITY FOR Q = 5725.43 CFS = 14.18 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.893

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.971

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	875.72	860.42	860.42
14.083	911.09	891.37	891.37
14.167	960.67	933.07	933.07
14.250	1021.19	987.40	987.40
14.333	1094.90	1053.75	1053.75
14.417	1193.34	1138.49	1138.49
14.500	1356.53	1265.99	1265.99

14.583	1492.23	1415.65	1415.65
14.667	1583.02	1531.32	1531.32
14.750	1661.17	1617.08	1617.08
14.833	1737.02	1694.40	1694.40
14.917	1808.27	1768.20	1768.20
15.000	1881.49	1840.42	1840.42
15.083	1953.82	1913.21	1913.21
15.167	2029.99	1987.30	1987.30
15.250	2107.09	2063.83	2063.83
15.333	2190.26	2143.68	2143.68
15.417	2261.16	2221.17	2221.17
15.500	2314.61	2284.32	2284.32
15.583	2353.79	2331.56	2331.56
15.667	2385.29	2367.48	2367.48
15.750	2381.42	2383.02	2383.02
15.833	2270.74	2331.12	2331.12
15.917	2271.00	2272.60	2272.60
16.000	2471.00	2362.02	2362.02
16.083	2991.95	2704.83	2704.83
16.167	3710.00	3310.30	3310.30
16.250	4396.52	4010.77	4010.77
16.333	5191.94	4747.22	4747.22
16.417	6336.55	5699.78	5699.78
16.500	8096.49	7118.75	7118.75
16.583	6844.24	7498.70	7498.70
16.667	4977.55	6013.99	6013.99
16.750	4234.69	4669.51	4669.51
16.833	3975.03	4129.11	4129.11
16.917	3705.36	3856.80	3856.80
17.000	3487.65	3610.70	3610.70
17.083	3235.76	3376.62	3376.62
17.167	3028.04	3145.33	3145.33
17.250	2790.18	2923.23	2923.23
17.333	2591.97	2703.85	2703.85
17.417	2392.77	2504.58	2504.58
17.500	2124.86	2274.13	2274.13
17.583	1886.69	2020.82	2020.82
17.667	1715.04	1812.48	1812.48
17.750	1558.98	1646.86	1646.86
17.833	1413.20	1495.20	1495.20
17.917	1316.13	1371.41	1371.41
18.000	1214.79	1271.63	1271.63
18.083	1066.59	1149.02	1149.02
18.167	980.42	1029.77	1029.77
18.250	924.85	956.56	956.56
18.333	875.77	903.44	903.44
18.417	822.24	852.22	852.22
18.500	758.30	794.02	794.02
18.583	705.67	735.39	735.39
18.667	667.42	689.13	689.13
18.750	635.65	653.60	653.60
18.833	608.22	623.69	623.69
18.917	583.92	597.61	597.61
19.000	561.58	574.15	574.15
19.083	543.39	553.67	553.67
19.167	527.11	536.28	536.28
19.250	513.04	520.97	520.97
19.333	500.38	507.51	507.51
19.417	488.33	495.10	495.10
19.500	476.91	483.33	483.33
19.583	465.84	472.06	472.06
19.667	454.86	461.02	461.02
19.750	443.22	449.74	449.74
19.833	430.23	437.50	437.50
19.917	406.68	419.73	419.73
20.000	389.75	399.36	399.36

```
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1463.656 AF
    OUTFLOW VOLUME =   1463.656 AF
    LOSS    VOLUME =      0.000 AF
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********************************************************************************
  FLOW PROCESS FROM NODE   6300.00 TO NODE   6311.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   299.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     299.300 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.250 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.260
         LOW LOSS FRACTION = 0.500
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.987
          30-MINUTE FACTOR = 0.987
           1-HOUR FACTOR = 0.987
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

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     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
```

1	3.852	139.411
2	18.445	528.231
3	39.624	766.604
4	55.845	587.160
5	64.124	299.680
6	70.038	214.036
7	74.639	166.538
8	78.230	130.017
9	81.158	105.957
10	83.587	87.936
11	85.638	74.235
12	87.267	58.971
13	88.619	48.932
14	89.699	39.084
15	90.702	36.306
16	91.629	33.565
17	92.506	31.749
18	93.325	29.632
19	94.080	27.335
20	94.768	24.914
21	95.424	23.727
22	95.971	19.796
23	96.509	19.477
24	97.020	18.507
25	97.406	13.985
26	97.766	13.021
27	98.126	13.018
28	98.458	12.019
29	98.594	4.931
30	98.692	3.557
31	98.791	3.557
32	98.889	3.550
33	98.987	3.557
34	99.085	3.551
35	99.183	3.557
36	99.281	3.550
37	99.380	3.550
38	99.478	3.550
39	99.576	3.550
40	99.674	3.550
41	99.772	3.550
42	99.870	3.550
43	99.968	3.550
44	100.000	1.157

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 63.4544

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 93.0370

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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 175.0 350.0 525.0 700.0
14.000	27.4201	56.90	. Q .V . . .
14.083	27.8199	58.05	. Q .V . . .
14.167	28.2289	59.39	. Q . V . . .
14.250	28.6481	60.87	. Q . V . . .
14.333	29.0776	62.37	. Q . V . . .
14.417	29.5173	63.84	. Q . V . . .
14.500	29.9675	65.37	. Q . V . . .
14.583	30.4288	66.98	. Q . V . . .
14.667	30.9020	68.71	. Q . V . . .
14.750	31.3886	70.66	. Q . V . . .
14.833	31.8924	73.15	. Q . V . . .
14.917	32.4182	76.34	. Q . V . . .
15.000	32.9709	80.25	. Q . V . . .
15.083	33.5548	84.78	. Q . V . . .
15.167	34.1747	90.01	. Q . V . . .
15.250	34.8354	95.94	. Q . V . . .
15.333	35.5434	102.79	. Q . V . . .
15.417	36.2964	109.35	. Q . V . . .
15.500	37.0791	113.65	. Q . V . . .
15.583	37.8873	117.35	. Q . V . . .
15.667	38.7483	125.02	. Q . V . . .
15.750	39.7040	138.77	. Q . V . . .
15.833	40.7991	159.00	. Q. V . . .
15.917	42.1036	189.42	. Q V . . .
16.000	43.7587	240.31	. . Q V . . .
16.083	46.2830	366.54	. . VQ . . .
16.167	50.2558	576.85	. . .V . Q .
16.250	54.8830	671.87	. . . V . Q .
16.333	58.6946	553.44	. . . V .Q .
16.417	61.3488	385.40	. . . Q V . .
16.500	63.5069	313.35	. . Q . V . .
16.583	65.3583	268.82	. . Q . V . .
16.667	66.9643	233.20	. . Q . V . .
16.750	68.3720	204.39	. .Q . V. .
16.833	69.6157	180.59	. Q . V. .
16.917	70.7246	161.01	. Q. . V .
17.000	71.7117	143.32	. Q . . V .
17.083	72.6072	130.03	. Q . . .V .
17.167	73.4245	118.67	. Q . . .V .
17.250	74.1925	111.51	. Q . . .V .
17.333	74.9179	105.32	. Q . . . V .
17.417	75.6078	100.18	. Q . . . V .
17.500	76.2639	95.26	. Q . . . V .
17.583	76.8878	90.59	. Q . . . V .
17.667	77.4810	86.13	. Q . . . V .
17.750	78.0483	82.38	. Q . . . V .
17.833	78.5843	77.82	. Q . . . V .
17.917	79.0999	74.86	. Q . . . V .
18.000	79.5932	71.63	. Q . . . V .
18.083	80.0531	66.78	. Q . . . V .
18.167	80.4845	62.65	. Q . . . V .
18.250	80.8860	58.29	. Q . . . V .
18.333	81.2565	53.80	. Q . . . V .
18.417	81.5859	47.83	. Q . . . V .
18.500	81.8953	44.92	. Q . . . V .
18.583	82.1922	43.12	. Q . . . V .
18.667	82.4790	41.63	. Q . . . V .
18.750	82.7565	40.30	. Q . . . V .
18.833	83.0257	39.09	. Q . . . V .
18.917	83.2874	38.00	. Q . . . V .
19.000	83.5424	37.02	. Q . . . V .
19.083	83.7913	36.13	. Q . . . V .
19.167	84.0343	35.29	. Q . . . V .
19.250	84.2718	34.47	.Q . . . V .
19.333	84.5035	33.65	.Q . . . V .
19.417	84.7296	32.82	.Q . . . V .
19.500	84.9493	31.91	.Q . . . V .
19.583	85.1619	30.86	.Q . . . V .
19.667	85.3607	28.87	.Q . . . V .
19.750	85.5505	27.55	.Q . . . V .
19.833	85.7356	26.88	.Q . . . V .
19.917	85.9168	26.31	.Q . . . V .
20.000	86.0944	25.78	.Q . . . V .

FLOW PROCESS FROM NODE 6311.00 TO NODE 6311.00 IS CODE = 7

>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5040.6 Ac. ***

FLOW PROCESS FROM NODE 6311.00 TO NODE 6311.00 IS CODE = 11

>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5040.6 Ac. ***

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1925.0 3850.0 5775.0 7700.0
14.000	406.7781	919.28	. Q V . . .
14.083	413.3387	952.59	. Q V . . .
14.167	420.2282	1000.36	. Q V . . .
14.250	427.5519	1063.39	. Q .V . . .
14.333	435.3869	1137.64	. Q .V . . .
14.417	443.8494	1228.76	. Q .V . . .
14.500	453.2410	1363.66	. Q .V . . .
14.583	463.7190	1521.40	. Q .V . . .
14.667	475.0388	1643.63	. Q . V . . .
14.750	486.9847	1734.55	. Q. V . . .
14.833	499.4959	1816.63	. Q. V . . .
14.917	512.5470	1895.01	. Q. V . . .
15.000	526.1264	1971.73	. Q V . . .
15.083	540.2385	2049.07	. Q V . . .
15.167	554.8931	2127.85	. .Q V . . .
15.250	570.1086	2209.29	. .Q V . . .
15.333	585.9102	2294.40	. .Q V . . .
15.417	602.2587	2373.81	. . Q V . . .
15.500	618.9868	2428.91	. . Q V . . .
15.583	635.9450	2462.34	. . Q V . . .

15.667	653.0961	2490.33	. . Q V . . .
15.750	670.3641	2507.31	. . Q V . . .
15.833	687.3168	2461.54	. . Q V . . .
15.917	703.9598	2416.55	. . Q V . . .
16.000	721.4357	2537.50	. . Q V . . .
16.083	741.9026	2971.80	. . Q V. . .
16.167	767.6212	3734.34	. . Q. . .
16.250	798.6147	4500.25	. . V Q . .
16.333	833.9616	5132.37	. . .V Q . .
16.417	874.8835	5941.85	. . . V Q .
16.500	925.1429	7297.67	. . . V . Q .
16.583	977.8814	7657.62	. . . V . Q.
16.667	1020.3975	6173.33	. . . V . Q .
16.750	1053.6354	4826.14	. . . Q V . .
16.833	1083.1179	4280.87	. . . Q V . .
16.917	1110.7048	4005.62	. . Q V . .
17.000	1136.5609	3754.31	. . Q. V. .
17.083	1160.7629	3514.13	. . Q . V. .
17.167	1183.3074	3273.44	. . Q . V .
17.250	1204.2601	3042.33	. . Q . .V .
17.333	1223.6487	2815.22	. . Q . .V .
17.417	1241.6259	2610.29	. . Q . .V .
17.500	1257.9701	2373.18	. . Q . . V .
17.583	1272.5198	2112.62	. . Q . . V .
17.667	1285.5945	1898.44	. . Q. . . V .
17.750	1297.5018	1728.96	. . Q . . . V .
17.833	1308.3369	1573.26	. . Q . . . V .
17.917	1318.3002	1446.67	. . Q . . . V .
18.000	1327.5559	1343.93	. . Q . . . V .
18.083	1335.9399	1217.36	. . Q . . . V .
18.167	1343.4760	1094.22	. . Q . . . V .
18.250	1350.4760	1016.41	. . Q . . . V .
18.333	1357.0786	958.70	. Q . . . . V .
18.417	1363.2899	901.88	. Q . . . . V .
18.500	1369.0786	840.52	. Q . . . . V .
18.583	1374.4480	779.64	. Q . . . . V .
18.667	1379.4858	731.49	. Q . . . . V .
18.750	1384.2666	694.16	. Q . . . . V .
18.833	1388.8303	662.66	. Q . . . . V .
18.917	1393.2046	635.14	. Q . . . . V .
19.000	1397.4086	610.41	. Q . . . . V .
19.083	1401.4640	588.85	. Q . . . . V .
19.167	1405.3932	570.52	. Q . . . . V .
19.250	1409.2109	554.33	. Q . . . . V .
19.333	1412.9302	540.03	. Q . . . . V .
19.417	1416.5587	526.86	. Q . . . . V .
19.500	1420.1006	514.28	. Q . . . . V .
19.583	1423.5586	502.10	. Q . . . . V .
19.667	1426.9293	489.42	. Q . . . . V .
19.750	1430.2148	477.06	. Q . . . . V .
19.833	1433.4124	464.27	. Q . . . . V .
19.917	1436.4847	446.10	. Q . . . . V .
20.000	1439.4141	425.33	. Q . . . . V .
20.083	1442.2500	411.78	. Q . . . . V .
20.167	1445.0288	403.49	. Q . . . . V .
20.250	1447.7559	395.97	. Q . . . . V .
20.333	1450.4308	388.39	. Q . . . . V .
20.417	1453.0549	381.03	.Q . . . . V .
20.500	1455.6311	374.05	.Q . . . . V .
20.583	1458.1615	367.41	.Q . . . . V .
20.667	1460.6483	361.09	.Q . . . . V .
20.750	1463.0935	355.04	.Q . . . . V .
20.833	1465.4987	349.24	.Q . . . . V .
20.917	1467.8666	343.83	.Q . . . . V .
21.000	1470.2009	338.94	.Q . . . . V .
21.083	1472.5038	334.38	.Q . . . . V .
21.167	1474.7765	330.00	.Q . . . . V .
21.250	1477.0203	325.79	.Q . . . . V .
21.333	1479.2361	321.74	.Q . . . . V .
21.417	1481.4250	317.84	.Q . . . . V .
21.500	1483.5880	314.07	.Q . . . . V .
21.583	1485.7260	310.42	.Q . . . . V .
21.667	1487.8395	306.89	.Q . . . . V .
21.750	1489.9294	303.46	.Q . . . . V .
21.833	1491.9963	300.12	.Q . . . . V .
21.917	1494.0411	296.91	.Q . . . . V .
22.000	1496.0649	293.86	.Q . . . . V .
22.083	1498.0685	290.91	.Q . . . . V .
22.167	1500.0522	288.05	.Q . . . . V .
22.250	1502.0168	285.26	.Q . . . . V .
22.333	1503.9626	282.54	.Q . . . . V .
22.417	1505.8903	279.89	.Q . . . . V .
22.500	1507.8000	277.30	.Q . . . . V .
22.583	1509.6925	274.78	.Q . . . . V .
22.667	1511.5680	272.31	.Q . . . . V .
22.750	1513.4269	269.91	.Q . . . . V .
22.833	1515.2695	267.56	.Q . . . . V.
22.917	1517.0964	265.26	.Q . . . . V.
23.000	1518.9078	263.01	.Q . . . . V.
23.083	1520.7041	260.82	.Q . . . . V.
23.167	1522.4856	258.67	.Q . . . . V.
23.250	1524.2526	256.56	.Q . . . . V.
23.333	1526.0054	254.51	.Q . . . . V.
23.417	1527.7443	252.49	.Q . . . . V.
23.500	1529.4696	250.52	.Q . . . . V.
23.583	1531.1816	248.59	.Q . . . . V.
23.667	1532.8806	246.69	.Q . . . . V.
23.750	1534.5668	244.84	.Q . . . . V.
23.833	1536.2405	243.02	.Q . . . . V.
23.917	1537.9019	241.23	.Q . . . . V.
24.000	1539.5511	239.48	.Q . . . . V.
24.083	1541.1772	236.12	.Q . . . . V.
24.167	1542.7491	228.23	.Q . . . . V.
24.250	1544.2366	215.98	.Q . . . . V.
24.333	1545.6229	201.30	.Q . . . . V.
24.417	1546.8810	182.66	Q . . . . V.
24.500	1547.9248	151.57	Q . . . . V.
24.583	1548.7126	114.40	Q . . . . V.
24.667	1549.3248	88.89	Q . . . . V.
24.750	1549.8330	73.79	Q . . . . V.
24.833	1550.2622	62.31	Q . . . . V.
24.917	1550.6272	52.99	Q . . . . V.
25.000	1550.9391	45.29	Q . . . . V.
25.083	1551.2054	38.67	Q . . . . V.
25.167	1551.4329	33.01	Q . . . . V.
25.250	1551.6267	28.15	Q . . . . V.
25.333	1551.7922	24.04	Q . . . . V.
25.417	1551.9326	20.38	Q . . . . V.
25.500	1552.0505	17.13	Q . . . . V.
25.583	1552.1495	14.37	Q . . . . V.
25.667	1552.2323	12.02	Q . . . . V.
25.750	1552.3014	10.03	Q . . . . V.
25.833	1552.3597	8.47	Q . . . . V.
25.917	1552.4089	7.14	Q . . . . V.
26.000	1552.4495	5.88	Q . . . . V.
26.083	1552.4839	5.00	Q . . . . V.
26.167	1552.5156	4.61	Q . . . . V.
26.250	1552.5455	4.34	Q . . . . V.
26.333	1552.5735	4.07	Q . . . . V.
26.417	1552.5999	3.83	Q . . . . V.
26.500	1552.6246	3.60	Q . . . . V.
26.583	1552.6478	3.37	Q . . . . V.
26.667	1552.6694	3.14	Q . . . . V.
26.750	1552.6896	2.92	Q . . . . V.

26.833	1552.7081	2.70	Q	.	.	.	V.
26.917	1552.7252	2.48	Q	.	.	.	V.
27.000	1552.7407	2.26	Q	.	.	.	V.
27.083	1552.7548	2.04	Q	.	.	.	V.
27.167	1552.7673	1.82	Q	.	.	.	V.
27.250	1552.7784	1.60	Q	.	.	.	V.
27.333	1552.7880	1.39	Q	.	.	.	V.
27.417	1552.7960	1.18	Q	.	.	.	V.
27.500	1552.8027	0.97	Q	.	.	.	V.
27.583	1552.8080	0.76	Q	.	.	.	V.
27.667	1552.8119	0.56	Q	.	.	.	V.
27.750	1552.8145	0.37	Q	.	.	.	V.
27.833	1552.8157	0.18	Q	.	.	.	V
27.917	1552.8159	0.04	Q	.	.	.	V
28.000	1552.8159	0.00	Q	.	.	.	V

****
FLOW PROCESS FROM NODE 6311.00 TO NODE 6330.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
==========

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5040.6 Ac. ***

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 30.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 382.00
DOWNSTREAM ELEVATION(FT) = 375.00
CHANNEL LENGTH(FT) = 1141.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 7657.62
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5535.08
CHANNEL NORMAL VELOCITY FOR Q = 5535.08 CFS = 11.37 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.870

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.995

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	919.28	911.25	911.25
14.083	952.59	942.75	942.75
14.167	1000.36	986.25	986.25
14.250	1063.39	1044.77	1044.77
14.333	1137.64	1115.70	1115.70
14.417	1228.76	1201.83	1201.83
14.500	1363.66	1323.82	1323.82
14.583	1521.40	1474.78	1474.78
14.667	1643.63	1607.43	1607.43
14.750	1734.55	1707.61	1707.61
14.833	1816.63	1792.34	1792.34
14.917	1895.01	1871.82	1871.82
15.000	1971.73	1949.04	1949.04
15.083	2049.07	2026.20	2026.20
15.167	2127.85	2104.55	2104.55
15.250	2209.29	2185.21	2185.21
15.333	2294.40	2269.23	2269.23
15.417	2373.81	2350.31	2350.31
15.500	2428.91	2412.58	2412.58
15.583	2462.34	2452.42	2452.42
15.667	2490.33	2482.04	2482.04
15.750	2507.31	2502.28	2502.28
15.833	2461.54	2474.99	2474.99
15.917	2416.55	2429.86	2429.86
16.000	2537.50	2501.96	2501.96
16.083	2971.80	2843.78	2843.78
16.167	3734.34	3509.26	3509.26
16.250	4500.25	4273.72	4273.72
16.333	5132.37	4945.22	4945.22
16.417	5941.85	5702.67	5702.67
16.500	7297.67	6897.42	6897.42
16.583	7657.62	7549.77	7549.77
16.667	6173.33	6609.76	6609.76
16.750	4826.14	5224.79	5224.79
16.833	4280.87	4443.27	4443.27
16.917	4005.62	4087.42	4087.42
17.000	3754.31	3828.68	3828.68
17.083	3514.13	3585.19	3585.19
17.167	3273.44	3344.63	3344.63
17.250	3042.33	3110.70	3110.70
17.333	2815.22	2882.40	2882.40
17.417	2610.29	2670.94	2670.94
17.500	2373.18	2443.27	2443.27
17.583	2112.62	2189.66	2189.66
17.667	1898.44	1961.86	1961.86
17.750	1728.96	1779.15	1779.15
17.833	1573.26	1619.33	1619.33
17.917	1446.67	1484.15	1484.15
18.000	1343.93	1374.35	1374.35
18.083	1217.36	1254.76	1254.76
18.167	1094.22	1130.65	1130.65
18.250	1016.41	1039.49	1039.49
18.333	958.70	975.80	975.80
18.417	901.88	918.69	918.69
18.500	840.52	858.66	858.66
18.583	779.64	797.65	797.65
18.667	731.49	745.75	745.75
18.750	694.16	705.22	705.22
18.833	662.66	671.99	671.99
18.917	635.14	643.28	643.28
19.000	610.41	617.73	617.73
19.083	588.85	595.23	595.23
19.167	570.52	575.95	575.95
19.250	554.33	559.12	559.12
19.333	540.03	544.26	544.26
19.417	526.86	530.75	530.75
19.500	514.28	518.00	518.00
19.583	502.10	505.70	505.70
19.667	489.42	493.17	493.17
19.750	477.06	480.72	480.72
19.833	464.27	468.05	468.05
19.917	446.10	451.47	451.47
20.000	425.33	431.47	431.47

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PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 1552.816 AF

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    OUTFLOW VOLUME =   1552.816 AF
    LOSS    VOLUME =      0.000 AF
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********************************************************************************
  FLOW PROCESS FROM NODE   6320.00 TO NODE   6330.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   300.7 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
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      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     300.700 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.290 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.240
         LOW LOSS FRACTION = 0.430
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.987
          30-MINUTE FACTOR = 0.987
           1-HOUR FACTOR = 0.987
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  28.736


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


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                      UNIT HYDROGRAPH DETERMINATION

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    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
        1                3.181               115.682
        2               14.148               398.807
        3               32.649               672.813
        4               49.391               608.859
        5               59.445               365.623
        6               65.754               229.414
        7               70.572               175.227
        8               74.508               143.109
        9               77.679               115.331
       10               80.307                95.584
       11               82.561                81.961
       12               84.486                69.998
       13               86.124                59.571
       14               87.475                49.137
       15               88.623                41.748
       16               89.558                33.981
       17               90.435                31.907
       18               91.248                29.581
       19               92.036                28.658
       20               92.761                26.336
       21               93.465                25.630
       22               94.104                23.223
       23               94.697                21.573
       24               95.280                21.195
       25               95.767                17.699
       26               96.231                16.876
       27               96.695                16.868
       28               97.112                15.192
       29               97.431                11.595
       30               97.741                11.275
       31               98.051                11.279
       32               98.361                11.271
       33               98.547                 6.740
       34               98.632                 3.085
       35               98.716                 3.070
       36               98.801                 3.077
       37               98.885                 3.077
       38               98.970                 3.077
       39               99.054                 3.077
       40               99.139                 3.077
       41               99.224                 3.085
       42               99.308                 3.070
       43               99.393                 3.070
       44               99.477                 3.070
       45               99.562                 3.070
       46               99.646                 3.070
       47               99.730                 3.070
       48               99.815                 3.070
       49               99.899                 3.070
       50               99.984                 3.070
       51              100.000                 0.594


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =      55.6322
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     101.5866
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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 175.0 350.0 525.0 700.0
14.000	31.0565	64.20	. Q . V . . .
14.083	31.5075	65.49	. Q . V . . .
14.167	31.9685	66.94	. Q . V . . .
14.250	32.4408	68.57	. Q . V . . .
14.333	32.9246	70.25	. Q . V . . .
14.417	33.4200	71.93	. Q . V . . .
14.500	33.9272	73.65	. Q . V . . .
14.583	34.4469	75.46	. Q . V . . .
14.667	34.9798	77.39	. Q . V . . .
14.750	35.5269	79.44	. Q . V . . .
14.833	36.0890	81.62	. Q . V . . .
14.917	36.6681	84.08	. Q . V . . .
15.000	37.2674	87.01	. Q . V . . .
15.083	37.8921	90.71	. Q . V . . .
15.167	38.5479	95.22	. Q . V . . .
15.250	39.2407	100.60	. Q . V . . .
15.333	39.9765	106.84	. Q . V . . .
15.417	40.7552	113.06	. Q . V . . .
15.500	41.5667	117.83	. Q . V . . .
15.583	42.4047	121.68	. Q . V . . .
15.667	43.2870	128.10	. Q . V . . .
15.750	44.2512	140.01	. Q . V . . .
15.833	45.3389	157.93	. Q. V . . .
15.917	46.6148	185.26	. Q V . . .
16.000	48.1955	229.51	. Q V . . .
16.083	50.5217	337.76	. Q. . .
16.167	54.0127	506.90	. .V Q . .
16.250	58.3558	630.61	. . V . Q .
16.333	62.3015	572.92	. . V . Q .
16.417	65.2430	427.11	. . QV . .
16.500	67.5361	332.96	. Q. V . .
16.583	69.4949	284.42	. Q . V . .
16.667	71.2222	250.80	. Q . V . .
16.750	72.7453	221.16	. Q . V . .
16.833	74.1040	197.28	.Q . V. .
16.917	75.3342	178.63	Q . V. .
17.000	76.4555	162.81	Q. . V .
17.083	77.4821	149.07	Q . . V .
17.167	78.4221	136.48	Q . . V .
17.250	79.2915	126.24	Q . . .V .
17.333	80.0981	117.11	Q . . .V .
17.417	80.8653	111.40	Q . . .V .
17.500	81.5973	106.29	Q . . . V .
17.583	82.3009	102.15	Q . . . V .
17.667	82.9741	97.75	Q . . . V .
17.750	83.6230	94.22	Q . . . V .
17.833	84.2442	90.20	Q . . . V .
17.917	84.8410	86.66	Q . . . V .
18.000	85.4173	83.68	Q . . . V .
18.083	85.9636	79.33	Q . . . V .
18.167	86.4834	75.48	Q . . . V .
18.250	86.9736	71.17	Q . . . V .
18.333	87.4305	66.35	Q . . . V .
18.417	87.8550	61.64	Q . . . V .
18.500	88.2607	58.90	Q . . . V .
18.583	88.6496	56.47	Q . . . V .
18.667	89.0207	53.89	Q . . . V .
18.750	89.3620	49.55	Q . . . V .
18.833	89.6790	46.02	Q . . . V .
18.917	89.9850	44.44	Q . . . V .
19.000	90.2822	43.15	Q . . . V .
19.083	90.5714	41.99	Q . . . V .
19.167	90.8533	40.93	Q . . . V .
19.250	91.1285	39.96	Q . . . V .
19.333	91.3976	39.07	Q . . . V .
19.417	91.6609	38.24	Q . . . V .
19.500	91.9187	37.43	Q . . . V .
19.583	92.1713	36.68	Q . . . V .
19.667	92.4190	35.96	Q . . . V .
19.750	92.6618	35.25	Q . . . V .
19.833	92.8997	34.56	Q . . . V .
19.917	93.1329	33.85	Q . . . V .
20.000	93.3610	33.13	Q . . . V .

****
FLOW PROCESS FROM NODE 6330.00 TO NODE 6330.00 IS CODE = 7
>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5341.3 Ac. ***

****
FLOW PROCESS FROM NODE 6330.00 TO NODE 6330.00 IS CODE = 11
>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5341.3 Ac. ***

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1950.0 3900.0 5850.0 7800.0
14.000	436.1631	977.64	. Q V . . .
14.083	443.1287	1011.41	. Q V . . .
14.167	450.4287	1059.96	. Q V . . .
14.250	458.1863	1126.41	. Q .V . . .
14.333	466.4877	1205.36	. Q .V . . .
14.417	475.4289	1298.27	. Q .V . . .
14.500	485.2591	1427.34	. Q .V . . .
14.583	496.1832	1586.18	. Q . V . . .
14.667	508.0691	1725.83	. Q . V . . .
14.750	520.6832	1831.57	. Q. V . . .
14.833	533.9138	1921.08	. Q. V . . .
14.917	547.7231	2005.10	. Q V . . .
15.000	562.0945	2086.73	. Q V . . .
15.083	577.0278	2168.31	. .Q V . . .
15.167	592.5315	2251.14	. .Q V . . .
15.250	608.6227	2336.45	. .Q V . . .
15.333	625.3262	2425.33	. . Q V . . .
15.417	642.6027	2508.56	. . Q V . . .
15.500	660.2719	2565.57	. . Q V . . .
15.583	678.1307	2593.11	. . Q V . . .

15.667	696.1243	2612.66	. . Q V . . .
15.750	714.2440	2630.99	. . Q V . . .
15.833	732.2027	2607.60	. . Q V . . .
15.917	749.9245	2573.21	. . Q V . . .
16.000	768.3140	2670.15	. . Q V . . .
16.083	789.5765	3087.31	. . Q V. . .
16.167	816.2604	3874.50	. . Q. . .
16.250	848.8023	4725.08	. . V Q . .
16.333	885.5887	5341.38	. . .V Q . .
16.417	926.7455	5975.97	. . . V Q .
16.500	975.5790	7090.63	. . . V . Q .
16.583	1028.7042	7713.78	. . . V . Q.
16.667	1075.3481	6772.71	. . . V . Q .
16.750	1112.4542	5387.81	. . . VQ . .
16.833	1144.1587	4603.49	. . . Q V . .
16.917	1173.3995	4245.77	. . .Q V . .
17.000	1200.8412	3984.54	. . Q V. .
17.083	1226.5717	3736.07	. . Q. V. .
17.167	1250.5878	3487.13	. . Q . V .
17.250	1272.9236	3243.16	. . Q . V .
17.333	1293.6205	3005.19	. . Q . .V .
17.417	1312.8190	2787.62	. . Q . .V .
17.500	1330.4062	2553.68	. . Q . . V .
17.583	1346.2020	2293.55	. .Q . . V .
17.667	1360.3861	2059.53	. .Q . . V .
17.750	1373.2830	1872.62	. Q. . . V .
17.833	1385.0524	1708.92	. Q . . . V .
17.917	1395.8676	1570.36	. Q . . . V .
18.000	1405.9064	1457.63	. Q . . . V .
18.083	1415.0958	1334.30	. Q . . . V .
18.167	1423.4062	1206.67	. Q . . . V .
18.250	1431.0581	1111.04	. Q . . . V .
18.333	1438.2378	1042.49	. Q . . . V .
18.417	1444.9926	980.80	. Q . . . V .
18.500	1451.3136	917.81	. Q . . . V .
18.583	1457.1958	854.10	. Q . . . V .
18.667	1462.7015	799.43	. Q . . . V .
18.750	1467.8999	754.80	. Q . . . V .
18.833	1472.8462	718.21	. Q . . . V .
18.917	1477.5828	687.75	. Q . . . V .
19.000	1482.1332	660.73	. Q . . . V .
19.083	1486.5193	636.86	. Q . . . V .
19.167	1490.7637	616.29	. Q . . . V .
19.250	1494.8843	598.31	. Q . . . V .
19.333	1498.8954	582.41	. Q . . . V .
19.417	1502.8070	567.96	. Q . . . V .
19.500	1506.6246	554.32	. Q . . . V .
19.583	1510.3522	541.24	. Q . . . V .
19.667	1513.9885	528.00	. Q . . . V .
19.750	1517.5345	514.89	. Q . . . V .
19.833	1520.9893	501.63	. Q . . . V .
19.917	1524.3260	484.50	. Q . . . V .
20.000	1527.5215	463.98	. Q . . . V .
20.083	1530.6047	447.68	. Q . . . V .
20.167	1533.6147	437.06	. Q . . . V .
20.250	1536.5608	427.76	. Q . . . V .
20.333	1539.4491	419.38	. Q . . . V .
20.417	1542.2826	411.43	. Q . . . V .
20.500	1545.0641	403.87	. Q . . . V .
20.583	1547.7957	396.63	. Q . . . V .
20.667	1550.4796	389.72	.Q . . . V .
20.750	1553.1183	383.13	.Q . . . V .
20.833	1555.7135	376.83	.Q . . . V .
20.917	1558.2679	370.91	.Q . . . V .
21.000	1560.7852	365.49	.Q . . . V .
21.083	1563.2678	360.48	.Q . . . V .
21.167	1565.7175	355.70	.Q . . . V .
21.250	1568.1359	351.13	.Q . . . V .
21.333	1570.5239	346.74	.Q . . . V .
21.417	1572.8828	342.51	.Q . . . V .
21.500	1575.2136	338.43	.Q . . . V .
21.583	1577.5172	334.48	.Q . . . V .
21.667	1579.7944	330.66	.Q . . . V .
21.750	1582.0461	326.94	.Q . . . V .
21.833	1584.2729	323.33	.Q . . . V .
21.917	1586.4758	319.85	.Q . . . V .
22.000	1588.6558	316.52	.Q . . . V .
22.083	1590.8136	313.32	.Q . . . V .
22.167	1592.9501	310.21	.Q . . . V .
22.250	1595.0657	307.19	.Q . . . V .
22.333	1597.1611	304.26	.Q . . . V .
22.417	1599.2368	301.39	.Q . . . V .
22.500	1601.2933	298.60	.Q . . . V .
22.583	1603.3311	295.87	.Q . . . V .
22.667	1605.3505	293.21	.Q . . . V .
22.750	1607.3519	290.61	.Q . . . V .
22.833	1609.3359	288.07	.Q . . . V.
22.917	1611.3029	285.59	.Q . . . V.
23.000	1613.2531	283.17	.Q . . . V.
23.083	1615.1869	280.80	.Q . . . V.
23.167	1617.1047	278.48	.Q . . . V.
23.250	1619.0070	276.21	.Q . . . V.
23.333	1620.8939	273.99	.Q . . . V.
23.417	1622.7659	271.82	.Q . . . V.
23.500	1624.6232	269.69	.Q . . . V.
23.583	1626.4662	267.60	.Q . . . V.
23.667	1628.2950	265.56	.Q . . . V.
23.750	1630.1102	263.56	.Q . . . V.
23.833	1631.9119	261.59	.Q . . . V.
23.917	1633.7002	259.67	.Q . . . V.
24.000	1635.4756	257.78	.Q . . . V.
24.083	1637.2266	254.23	.Q . . . V.
24.167	1638.9188	245.72	.Q . . . V.
24.250	1640.5135	231.55	.Q . . . V.
24.333	1641.9922	214.69	.Q . . . V.
24.417	1643.3384	195.47	.Q . . . V.
24.500	1644.4883	166.96	Q . . . V.
24.583	1645.3887	130.74	Q . . . V.
24.667	1646.0848	101.09	Q . . . V.
24.750	1646.6519	82.33	Q . . . V.
24.833	1647.1292	69.30	Q . . . V.
24.917	1647.5349	58.92	Q . . . V.
25.000	1647.8820	50.40	Q . . . V.
25.083	1648.1792	43.16	Q . . . V.
25.167	1648.4338	36.97	Q . . . V.
25.250	1648.6519	31.66	Q . . . V.
25.333	1648.8389	27.15	Q . . . V.
25.417	1648.9987	23.19	Q . . . V.
25.500	1649.1342	19.67	Q . . . V.
25.583	1649.2487	16.62	Q . . . V.
25.667	1649.3452	14.02	Q . . . V.
25.750	1649.4265	11.80	Q . . . V.
25.833	1649.4954	9.99	Q . . . V.
25.917	1649.5538	8.49	Q . . . V.
26.000	1649.6028	7.10	Q . . . V.
26.083	1649.6443	6.02	Q . . . V.
26.167	1649.6815	5.40	Q . . . V.
26.250	1649.7161	5.01	Q . . . V.
26.333	1649.7482	4.66	Q . . . V.
26.417	1649.7782	4.36	Q . . . V.
26.500	1649.8063	4.07	Q . . . V.
26.583	1649.8324	3.79	Q . . . V.
26.667	1649.8566	3.51	Q . . . V.
26.750	1649.8789	3.25	Q . . . V.

26.833	1649.8997	3.01	Q	.	.	.	V.
26.917	1649.9187	2.77	Q	.	.	.	V.
27.000	1649.9362	2.53	Q	.	.	.	V.
27.083	1649.9520	2.30	Q	.	.	.	V.
27.167	1649.9663	2.07	Q	.	.	.	V.
27.250	1649.9790	1.83	Q	.	.	.	V.
27.333	1649.9901	1.60	Q	.	.	.	V.
27.417	1649.9996	1.38	Q	.	.	.	V.
27.500	1650.0076	1.15	Q	.	.	.	V.
27.583	1650.0139	0.93	Q	.	.	.	V.
27.667	1650.0188	0.71	Q	.	.	.	V.
27.750	1650.0222	0.50	Q	.	.	.	V.
27.833	1650.0240	0.27	Q	.	.	.	V
27.917	1650.0247	0.10	Q	.	.	.	V
28.000	1650.0249	0.03	Q	.	.	.	V
28.083	1650.0250	0.02	Q	.	.	.	V
28.167	1650.0250	0.00	Q	.	.	.	V

****
FLOW PROCESS FROM NODE 6330.00 TO NODE 6355.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
==========

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5341.3 Ac. ***

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 30.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 375.00
DOWNSTREAM ELEVATION(FT) = 314.00
CHANNEL LENGTH(FT) = 6086.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 7713.78
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5428.70
CHANNEL NORMAL VELOCITY FOR Q = 5428.70 CFS = 13.47 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.888

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.838

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	977.64	935.96	935.96
14.083	1011.41	963.01	963.01
14.167	1059.96	994.01	994.01
14.250	1126.41	1035.53	1035.53
14.333	1205.36	1092.88	1092.88
14.417	1298.27	1164.79	1164.79
14.500	1427.34	1250.35	1250.35
14.583	1586.18	1362.14	1362.14
14.667	1725.83	1504.93	1504.93
14.750	1831.57	1650.52	1650.52
14.833	1921.08	1772.31	1772.31
14.917	2005.10	1871.65	1871.65
15.000	2086.73	1959.70	1959.70
15.083	2168.31	2043.05	2043.05
15.167	2251.14	2124.93	2124.93
15.250	2336.45	2207.25	2207.25
15.333	2425.33	2291.38	2291.38
15.417	2508.56	2378.48	2378.48
15.500	2565.57	2463.93	2463.93
15.583	2593.11	2532.97	2532.97
15.667	2612.66	2575.57	2575.57
15.750	2630.99	2601.12	2601.12
15.833	2607.60	2620.96	2620.96
15.917	2573.21	2616.38	2616.38
16.000	2670.15	2589.94	2589.94
16.083	3087.31	2629.72	2629.72
16.167	3874.50	2895.12	2895.12
16.250	4725.08	3493.06	3493.06
16.333	5341.38	4284.77	4284.77
16.417	5975.97	4995.79	4995.79
16.500	7090.63	5637.58	5637.58
16.583	7713.78	6539.78	6539.78
16.667	6772.71	7347.23	7347.23
16.750	5387.81	7132.10	7132.10
16.833	4603.49	6062.32	6062.32
16.917	4245.77	5061.79	5061.79
17.000	3984.54	4479.21	4479.21
17.083	3736.07	4138.61	4138.61
17.167	3487.13	3871.60	3871.60
17.250	3243.16	3619.87	3619.87
17.333	3005.19	3373.24	3373.24
17.417	2787.62	3132.16	3132.16
17.500	2553.68	2905.01	2905.01
17.583	2293.55	2676.80	2676.80
17.667	2059.53	2429.25	2429.25
17.750	1872.62	2185.66	2185.66
17.833	1708.92	1976.23	1976.23
17.917	1570.36	1798.56	1798.56
18.000	1457.63	1646.55	1646.55
18.083	1334.30	1520.14	1520.14
18.167	1206.67	1399.31	1399.31
18.250	1111.04	1274.00	1274.00
18.333	1042.49	1164.51	1164.51
18.417	980.80	1081.66	1081.66
18.500	917.81	1014.60	1014.60
18.583	854.10	951.32	951.32
18.667	799.43	887.88	887.88
18.750	754.80	829.23	829.23
18.833	718.21	779.49	779.49
18.917	687.75	738.49	738.49
19.000	660.73	704.59	704.59
19.083	636.86	675.48	675.48
19.167	616.29	649.87	649.87
19.250	598.31	627.55	627.55
19.333	582.41	608.13	608.13
19.417	567.96	591.08	591.08
19.500	554.32	575.80	575.80
19.583	541.24	561.66	561.66
19.667	528.00	548.25	548.25
19.750	514.89	535.03	535.03
19.833	501.63	521.86	521.86
19.917	484.50	508.66	508.66
20.000	463.98	493.26	493.26

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  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1650.024 AF
    OUTFLOW VOLUME =   1650.025 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6340.00 TO NODE   6355.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   697.9 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     697.900 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.340 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.210
         LOW LOSS FRACTION = 0.450
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.969
          30-MINUTE FACTOR = 0.969
           1-HOUR FACTOR = 0.969
           3-HOUR FACTOR = 0.995
           6-HOUR FACTOR = 0.998
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  24.510


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


================================================================================
                     UNIT HYDROGRAPH DETERMINATION

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     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
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1	1.545	130.419
2	7.337	488.804
3	20.261	1090.852
4	37.173	1427.448
5	57.561	1720.753
6	73.834	1373.504
7	84.155	871.070
8	90.157	506.624
9	93.846	311.340
10	95.934	176.209
11	96.823	75.053
12	97.453	53.201
13	98.047	50.140
14	98.563	43.554
15	98.877	26.445
16	99.042	13.975
17	99.137	8.025
18	99.206	5.797
19	99.261	4.649
20	99.315	4.546
21	99.365	4.228
22	99.414	4.161
23	99.461	3.902
24	99.505	3.743
25	99.548	3.674
26	99.587	3.272
27	99.625	3.204
28	99.663	3.169
29	99.695	2.719
30	99.726	2.582
31	99.756	2.583
32	99.787	2.570
33	99.813	2.195
34	99.830	1.492
35	99.848	1.489
36	99.866	1.488
37	99.883	1.487
38	99.899	1.328
39	99.905	0.518
40	99.910	0.406
41	99.915	0.406
42	99.919	0.404
43	99.924	0.406
44	99.929	0.406
45	99.934	0.405
46	99.939	0.408
47	99.944	0.405
48	99.948	0.408
49	99.953	0.404
50	99.958	0.405
51	99.963	0.405
52	99.968	0.405
53	99.972	0.405
54	99.977	0.404
55	99.982	0.405
56	99.987	0.405
57	99.992	0.405
58	99.996	0.405
59	100.000	0.311

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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     130.0823
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     234.5189
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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 400.0 800.0 1200.0 1600.0
14.000	71.1105	147.86	. Q . V . . .
14.083	72.1489	150.77	. Q . V . . .
14.167	73.2102	154.10	. Q . V . . .
14.250	74.2996	158.17	. Q . V . . .
14.333	75.4201	162.70	. Q . V . . .
14.417	76.5767	167.94	. Q . V . . .
14.500	77.7714	173.47	. Q . V . . .
14.583	79.0080	179.55	. Q . V . . .
14.667	80.2912	186.32	. Q . V . . .
14.750	81.6286	194.19	. Q . V . . .
14.833	83.0251	202.78	. Q . V . . .
14.917	84.4881	212.42	. Q . V . . .
15.000	86.0229	222.86	. Q . V . . .
15.083	87.6385	234.58	. Q . V . . .
15.167	89.3417	247.30	. Q . V . . .
15.250	91.1439	261.69	. Q . V . . .
15.333	93.0551	277.50	. Q . V . . .
15.417	95.0819	294.30	. Q . V . . .
15.500	97.2126	309.37	. Q . V . . .
15.583	99.4271	321.55	. Q . V . . .
15.667	101.7259	333.78	. Q . V . . .
15.750	104.1331	349.53	. Q . V . . .
15.833	106.7326	377.44	. Q. V . . .
15.917	109.6766	427.47	. Q V . . .
16.000	113.1778	508.38	. Q V. . .
16.083	117.8757	682.13	. Q V . .
16.167	124.5391	967.53	. .V Q . .
16.250	133.6750	1326.53	. . V . Q .
16.333	144.0990	1513.58	. . V . Q .
16.417	155.0234	1586.22	. . V . Q.
16.500	164.1875	1330.62	. . V . Q .
16.583	171.0479	996.13	. . Q V. .
16.667	176.1199	736.46	. Q . V .
16.750	180.0661	572.98	. Q . V .
16.833	183.1875	453.22	.Q . .V .
16.917	185.6866	362.87	Q. . .V .
17.000	187.8660	316.44	Q . . . V .
17.083	189.8290	285.04	Q . . . V .
17.167	191.5923	256.02	Q . . . V .
17.250	193.1485	225.96	Q . . . V .
17.333	194.5403	202.09	Q . . . V .
17.417	195.8141	184.96	Q . . . V .
17.500	197.0043	172.81	Q . . . V .
17.583	198.1304	163.52	Q . . . V .
17.667	199.2067	156.28	Q . . . V .
17.750	200.2403	150.07	Q . . . V .
17.833	201.2373	144.76	Q . . . V .
17.917	202.2013	139.98	Q . . . V .
18.000	203.1359	135.70	Q . . . V .
18.083	204.0411	131.44	Q . . . V .
18.167	204.9113	126.36	Q . . . V .
18.250	205.7377	119.99	Q . . . V .
18.333	206.5154	112.92	Q . . . V .
18.417	207.2391	105.07	Q . . . V .
18.500	207.9178	98.56	Q . . . V .
18.583	208.5632	93.70	Q . . . V .
18.667	209.1830	89.99	Q . . . V .
18.750	209.7808	86.80	Q . . . V .
18.833	210.3593	84.01	Q . . . V .
18.917	210.9235	81.92	Q . . . V .
19.000	211.4746	80.01	Q . . . V .
19.083	212.0129	78.17	Q . . . V .
19.167	212.5385	76.31	Q . . . V .
19.250	213.0506	74.35	Q . . . V .
19.333	213.5522	72.83	Q . . . V .
19.417	214.0444	71.47	Q . . . V .
19.500	214.5278	70.19	Q . . . V .
19.583	215.0028	68.97	Q . . . V .
19.667	215.4698	67.81	Q . . . V .
19.750	215.9291	66.70	Q . . . V .
19.833	216.3811	65.64	Q . . . V .
19.917	216.8261	64.62	Q . . . V .
20.000	217.2644	63.64	Q . . . V .

****
FLOW PROCESS FROM NODE 6355.00 TO NODE 6355.00 IS CODE = 7
>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6039.2 Ac. ***

****
FLOW PROCESS FROM NODE 6355.00 TO NODE 6355.00 IS CODE = 11
>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6039.2 Ac. ***

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1950.0 3900.0 5850.0 7800.0
14.000	497.4364	1088.60	. Q V . . .
14.083	505.1494	1119.93	. Q V . . .
14.167	513.1381	1159.95	. Q V . . .
14.250	521.5336	1219.03	. Q .V . . .
14.333	530.4852	1299.77	. Q .V . . .
14.417	540.1303	1400.46	. Q .V . . .
14.500	550.5427	1511.88	. Q .V . . .
14.583	561.8763	1645.64	. Q .V . . .
14.667	574.3333	1808.75	. Q. V . . .
14.750	587.9247	1973.48	. Q V . . .
14.833	602.4632	2110.99	. Q V . . .
14.917	617.7724	2222.90	. .Q V . . .
15.000	633.7646	2322.07	. .Q V . . .
15.083	650.4062	2416.35	. . QV . . .
15.167	667.6856	2508.97	. . Q V . . .
15.250	685.6081	2602.35	. . QV . . .
15.333	704.1873	2697.69	. . Q V . . .
15.417	723.4247	2793.29	. . QV . . .
15.500	743.2448	2877.87	. . QV . . .
15.583	763.4275	2930.53	. . QV . . .

15.667	783.7325	2948.29	. . QV . . .
15.750	804.0083	2944.04	. . Q V . . .
15.833	824.3171	2948.84	. . Q V . . .
15.917	844.6627	2954.19	. . Q V . . .
16.000	865.0842	2965.20	. . Q V . . .
16.083	886.5428	3115.79	. . Q V . . .
16.167	911.1877	3578.45	. . QV. . . .
16.250	941.6856	4428.29	. . V Q . . .
16.333	978.4500	5338.18	. . V Q . . .
16.417	1020.3721	6087.09	. . .V .Q . .
16.500	1065.2610	6517.88	. . . V . Q .
16.583	1114.5055	7150.30	. . . V . Q .
16.667	1168.0330	7772.19	. . . V . Q.
16.750	1219.6559	7495.64	. . . V . Q .
16.833	1263.7520	6402.75	. . . V . Q .
16.917	1300.7917	5378.17	. . . Q . . .
17.000	1333.7954	4792.13	. . . Q V . .
17.083	1364.4658	4453.34	. . . Q V. . .
17.167	1393.2494	4179.38	. . .Q V. . .
17.250	1420.1484	3905.73	. . Q V . .
17.333	1445.1702	3633.16	. . Q . V . .
17.417	1468.3423	3364.59	. . Q . .V . .
17.500	1489.7966	3115.18	. . Q . .V . .
17.583	1509.5616	2869.89	. . Q . . V . .
17.667	1527.5219	2607.81	. . Q . . V . .
17.750	1543.7144	2351.15	. . Q . . V . .
17.833	1558.3977	2132.02	. . Q . . . V . .
17.917	1571.8145	1948.11	. . Q. . . . V . .
18.000	1584.1508	1791.24	. . Q. . . . V . .
18.083	1595.5828	1659.93	. . Q . . . . V . .
18.167	1606.1470	1533.93	. . Q . . . . V . .
18.250	1615.8042	1402.23	. . Q . . . . V . .
18.333	1624.6530	1284.85	. . Q . . . . V . .
18.417	1632.8679	1192.81	. . Q . . . . V . .
18.500	1640.5681	1118.06	. . Q . . . . V . .
18.583	1647.7925	1048.98	. . Q . . . . V . .
18.667	1654.5480	980.91	. . Q . . . . V . .
18.750	1660.8710	918.11	. . Q . . . . V . .
18.833	1666.8267	864.77	. . Q . . . . V . .
18.917	1672.4811	821.03	. . Q . . . . V . .
19.000	1677.8853	784.69	. . Q . . . . V . .
19.083	1683.0731	753.28	. . Q . . . . V . .
19.167	1688.0693	725.46	. . Q . . . . V . .
19.250	1692.8971	700.98	. . Q . . . . V .
19.333	1697.5796	679.89	. . Q . . . . V .
19.417	1702.1346	661.40	. . Q . . . . V .
19.500	1706.5754	644.81	. . Q . . . . V .
19.583	1710.9105	629.45	. . Q . . . . V .
19.667	1715.1454	614.90	. . Q . . . . V .
19.750	1719.2819	600.62	. . Q . . . . V .
19.833	1723.3209	586.48	. . Q . . . . V .
19.917	1727.2629	572.38	. Q . . . . V .
20.000	1731.0939	556.25	. Q . . . . V .
20.083	1734.7916	536.91	. Q . . . . V .
20.167	1738.3615	518.33	. Q . . . . V .
20.250	1741.8336	504.15	. Q . . . . V .
20.333	1745.2294	493.05	. Q . . . . V .
20.417	1748.5581	483.34	. Q . . . . V .
20.500	1751.8248	474.33	. Q . . . . V .
20.583	1755.0326	465.77	. Q . . . . V .
20.667	1758.1840	457.59	. Q . . . . V .
20.750	1761.2814	449.74	. Q . . . . V .
20.833	1764.3270	442.23	. Q . . . . V .
20.917	1767.3229	435.00	. Q . . . . V .
21.000	1770.2710	428.07	. Q . . . . V .
21.083	1773.1754	421.72	. Q . . . . V .
21.167	1776.0396	415.86	. Q . . . . V .
21.250	1778.8657	410.36	. Q . . . . V .
21.333	1781.6556	405.10	. Q . . . . V .
21.417	1784.4108	400.05	. Q . . . . V .
21.500	1787.1324	395.19	. Q . . . . V .
21.583	1789.8219	390.51	. Q . . . . V .
21.667	1792.4801	385.97	.Q . . . . V .
21.750	1795.1082	381.58	.Q . . . . V .
21.833	1797.7068	377.33	.Q . . . . V .
21.917	1800.2770	373.19	.Q . . . . V .
22.000	1802.8196	369.19	.Q . . . . V .
22.083	1805.3357	365.34	.Q . . . . V .
22.167	1807.8263	361.63	.Q . . . . V .
22.250	1810.2922	358.05	.Q . . . . V .
22.333	1812.7343	354.57	.Q . . . . V .
22.417	1815.1530	351.19	.Q . . . . V .
22.500	1817.5490	347.89	.Q . . . . V .
22.583	1819.9227	344.68	.Q . . . . V .
22.667	1822.2749	341.54	.Q . . . . V .
22.750	1824.6061	338.48	.Q . . . . V .
22.833	1826.9166	335.49	.Q . . . . V .
22.917	1829.2070	332.57	.Q . . . . V.
23.000	1831.4778	329.72	.Q . . . . V.
23.083	1833.7294	326.93	.Q . . . . V.
23.167	1835.9622	324.20	.Q . . . . V.
23.250	1838.1765	321.53	.Q . . . . V.
23.333	1840.3729	318.92	.Q . . . . V.
23.417	1842.5518	316.36	.Q . . . . V.
23.500	1844.7134	313.86	.Q . . . . V.
23.583	1846.8580	311.41	.Q . . . . V.
23.667	1848.9862	309.01	.Q . . . . V.
23.750	1851.0981	306.66	.Q . . . . V.
23.833	1853.1942	304.35	.Q . . . . V.
23.917	1855.2748	302.09	.Q . . . . V.
24.000	1857.3401	299.87	.Q . . . . V.
24.083	1859.3864	297.12	.Q . . . . V.
24.167	1861.3966	291.88	.Q . . . . V.
24.250	1863.3295	280.64	.Q . . . . V.
24.333	1865.1399	262.87	.Q . . . . V.
24.417	1866.7920	239.89	.Q . . . . V.
24.500	1868.2782	215.80	.Q . . . . V.
24.583	1869.5718	187.84	Q . . . . V.
24.667	1870.6295	153.59	Q . . . . V.
24.750	1871.4574	120.21	Q . . . . V.
24.833	1872.1135	95.27	Q . . . . V.
24.917	1872.6533	78.39	Q . . . . V.
25.000	1873.1077	65.97	Q . . . . V.
25.083	1873.4939	56.07	Q . . . . V.
25.167	1873.8235	47.86	Q . . . . V.
25.250	1874.1055	40.94	Q . . . . V.
25.333	1874.3469	35.06	Q . . . . V.
25.417	1874.5540	30.07	Q . . . . V.
25.500	1874.7313	25.75	Q . . . . V.
25.583	1874.8826	21.96	Q . . . . V.
25.667	1875.0109	18.62	Q . . . . V.
25.750	1875.1194	15.76	Q . . . . V.
25.833	1875.2109	13.30	Q . . . . V.
25.917	1875.2883	11.24	Q . . . . V.
26.000	1875.3541	9.55	Q . . . . V.
26.083	1875.4097	8.06	Q . . . . V.
26.167	1875.4565	6.81	Q . . . . V.
26.250	1875.4974	5.94	Q . . . . V.
26.333	1875.5345	5.39	Q . . . . V.
26.417	1875.5688	4.98	Q . . . . V.
26.500	1875.6008	4.64	Q . . . . V.
26.583	1875.6306	4.33	Q . . . . V.
26.667	1875.6583	4.03	Q . . . . V.
26.750	1875.6841	3.74	Q . . . . V.

26.833	1875.7079	3.46	Q	.	.	.	V.
26.917	1875.7300	3.20	Q	.	.	.	V.
27.000	1875.7504	2.95	Q	.	.	.	V.
27.083	1875.7690	2.71	Q	.	.	.	V.
27.167	1875.7860	2.47	Q	.	.	.	V.
27.250	1875.8014	2.23	Q	.	.	.	V.
27.333	1875.8152	2.00	Q	.	.	.	V.
27.417	1875.8274	1.77	Q	.	.	.	V.
27.500	1875.8380	1.53	Q	.	.	.	V.
27.583	1875.8470	1.30	Q	.	.	.	V.
27.667	1875.8545	1.08	Q	.	.	.	V.
27.750	1875.8604	0.85	Q	.	.	.	V.
27.833	1875.8647	0.64	Q	.	.	.	V.
27.917	1875.8673	0.37	Q	.	.	.	V.
28.000	1875.8685	0.17	Q	.	.	.	V.
28.083	1875.8691	0.09	Q	.	.	.	V
28.167	1875.8695	0.06	Q	.	.	.	V
28.250	1875.8698	0.03	Q	.	.	.	V
28.333	1875.8699	0.02	Q	.	.	.	V
28.417	1875.8700	0.01	Q	.	.	.	V
28.500	1875.8701	0.01	Q	.	.	.	V
28.583	1875.8701	0.01	Q	.	.	.	V
28.667	1875.8701	0.01	Q	.	.	.	V
28.750	1875.8701	0.00	Q	.	.	.	V
28.833	1875.8701	0.00	Q	.	.	.	V
28.917	1875.8701	0.00	Q	.	.	.	V
29.000	1875.8701	0.00	Q	.	.	.	V
29.083	1875.8701	0.00	Q	.	.	.	V
29.167	1875.8701	0.00	Q	.	.	.	V
29.250	1875.8701	0.00	Q	.	.	.	V
29.333	1875.8701	0.00	Q	.	.	.	V
29.417	1875.8701	0.00	Q	.	.	.	V
29.500	1875.8701	0.00	Q	.	.	.	V
29.583	1875.8701	0.00	Q	.	.	.	V
29.667	1875.8701	0.00	Q	.	.	.	V
29.750	1875.8701	0.00	Q	.	.	.	V
29.833	1875.8701	0.00	Q	.	.	.	V
29.917	1875.8701	0.00	Q	.	.	.	V
30.000	1875.8701	0.00	Q	.	.	.	V

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****
FLOW PROCESS FROM NODE 6355.00 TO NODE 6371.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6039.2 Ac. ***

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 30.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 314.00
DOWNSTREAM ELEVATION(FT) = 220.00
CHANNEL LENGTH(FT) = 5919.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 7772.19
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5684.70
CHANNEL NORMAL VELOCITY FOR Q = 5684.70 CFS = 16.07 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.904

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.888

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	1088.60	1054.32	1054.32
14.083	1119.93	1082.02	1082.02
14.167	1159.95	1112.63	1112.63
14.250	1219.03	1150.75	1150.75
14.333	1299.77	1205.62	1205.62
14.417	1400.46	1281.35	1281.35
14.500	1511.88	1377.30	1377.30
14.583	1645.64	1485.95	1485.95
14.667	1808.75	1614.71	1614.71
14.750	1973.48	1771.11	1771.11
14.833	2110.99	1934.75	1934.75
14.917	2222.90	2077.84	2077.84
15.000	2322.07	2195.74	2195.74
15.083	2416.35	2298.26	2298.26
15.167	2508.97	2393.93	2393.93
15.250	2602.35	2487.06	2487.06
15.333	2697.69	2580.33	2580.33
15.417	2793.29	2675.25	2675.25
15.500	2877.87	2770.75	2770.75
15.583	2930.53	2857.62	2857.62
15.667	2948.29	2917.23	2917.23
15.750	2944.04	2943.08	2943.08
15.833	2948.84	2944.35	2944.35
15.917	2954.19	2947.87	2947.87
16.000	2965.20	2952.96	2952.96
16.083	3115.79	2962.75	2962.75
16.167	3578.45	3083.96	3083.96
16.250	4428.29	3477.94	3477.94
16.333	5338.18	4238.96	4238.96
16.417	6087.09	5126.34	5126.34
16.500	6517.88	5906.48	5906.48
16.583	7150.30	6407.42	6407.42
16.667	7772.19	7005.43	7005.43
16.750	7495.64	7625.67	7625.67
16.833	6402.75	7537.23	7537.23
16.917	5378.17	6636.43	6636.43
17.000	4792.13	5619.00	5619.00
17.083	4453.34	4941.85	4941.85
17.167	4179.38	4541.07	4541.07
17.250	3905.73	4246.60	4246.60
17.333	3633.16	3970.59	3970.59
17.417	3364.59	3697.53	3697.53
17.500	3115.18	3428.07	3428.07
17.583	2869.89	3174.54	3174.54
17.667	2607.81	2927.92	2927.92
17.750	2351.15	2669.22	2669.22
17.833	2132.02	2411.80	2411.80
17.917	1948.11	2184.72	2184.72
18.000	1791.24	1992.54	1992.54
18.083	1659.93	1829.08	1829.08
18.167	1533.93	1691.67	1691.67
18.250	1402.23	1563.88	1563.88

18.333	1284.85	1433.18	1433.18
18.417	1192.81	1312.90	1312.90
18.500	1118.06	1215.23	1215.23
18.583	1048.98	1136.23	1136.23
18.667	980.91	1065.49	1065.49
18.750	918.11	997.02	997.02
18.833	864.77	933.07	933.07
18.917	821.03	877.62	877.62
19.000	784.69	831.63	831.63
19.083	753.28	793.49	793.49
19.167	725.46	760.85	760.85
19.250	700.98	732.14	732.14
19.333	679.89	706.86	706.86
19.417	661.40	684.97	684.97
19.500	644.81	665.84	665.84
19.583	629.45	648.78	648.78
19.667	614.90	633.12	633.12
19.750	600.62	618.36	618.36
19.833	586.48	604.00	604.00
19.917	572.38	589.82	589.82
20.000	556.25	575.71	575.71

PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 1875.869 AF
OUTFLOW VOLUME = 1875.869 AF
LOSS VOLUME = 0.000 AF

FLOW PROCESS FROM NODE 6360.00 TO NODE 6371.00 IS CODE = 1

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 922.3 Ac. ***
>>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

(UNIT-HYDROGRAPH ADDED TO STREAM #2)

WATERSHED AREA = 922.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.250 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED):
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.900
FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
VALLEY(UNDEVELOPED)/DESERT:
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) = 0.120
LOW LOSS FRACTION = 0.510
HYDROGRAPH MODEL #1 SPECIFIED

SPECIFIED PEAK 5-MINUTES RAINFALL(INCH)= 0.58
SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)= 1.22
SPECIFIED PEAK 1-HOUR RAINFALL(INCH) = 1.62
SPECIFIED PEAK 3-HOUR RAINFALL(INCH) = 2.71
SPECIFIED PEAK 6-HOUR RAINFALL(INCH) = 3.75
SPECIFIED PEAK 24-HOUR RAINFALL(INCH) = 6.28

*USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
5-MINUTE FACTOR = 0.959
30-MINUTE FACTOR = 0.959
1-HOUR FACTOR = 0.959
3-HOUR FACTOR = 0.994
6-HOUR FACTOR = 0.997
24-HOUR FACTOR = 0.998

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 33.333

RUNOFF HYDROGRAPH LISTING LIMITS:
MODEL TIME(HOURS) FOR BEGINNING OF RESULTS = 14.00
MODEL TIME(HOURS) FOR END OF RESULTS = 20.00

UNIT HYDROGRAPH DETERMINATION

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	2.292	255.704
2	13.821	1285.900
3	35.522	2420.567
4	62.164	2971.648
5	80.648	2061.668
6	89.997	1042.866
7	94.646	518.513
8	96.625	220.790
9	97.489	96.296
10	98.211	80.598
11	98.708	55.360
12	99.005	33.223
13	99.174	18.845
14	99.253	8.821
15	99.326	8.100
16	99.394	7.535
17	99.458	7.164
18	99.518	6.727
19	99.574	6.257
20	99.626	5.759
21	99.675	5.514
22	99.718	4.708
23	99.759	4.643
24	99.799	4.443
25	99.827	3.130
26	99.851	2.675
27	99.875	2.675
28	99.897	2.469
29	99.906	1.014
30	99.913	0.730
31	99.919	0.731
32	99.926	0.729
33	99.932	0.731
34	99.939	0.729
35	99.946	0.730
36	99.952	0.729
37	99.959	0.729
38	99.965	0.729
39	99.972	0.730
40	99.978	0.729
41	99.985	0.729
42	99.991	0.729
43	99.998	0.729
44	100.000	0.237

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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     154.5061
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     327.1010
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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 650.0 1300.0 1950.0 2600.0
14.000	92.0759	251.80	. Q .V . . .
14.083	93.8620	259.34	. Q .V . . .
14.167	95.7183	269.54	. Q .V . . .
14.250	97.6636	282.46	. Q .V . . .
14.333	99.7101	297.14	. Q . V . . .
14.417	101.8475	310.36	. Q . V . . .
14.500	104.0665	322.20	. Q . V . . .
14.583	106.3633	333.49	. Q . V . . .
14.667	108.7398	345.08	. Q . V . . .
14.750	111.1993	357.12	. Q . V . . .
14.833	113.7496	370.30	. Q . V . . .
14.917	116.3968	384.38	. Q . V . . .
15.000	119.1512	399.94	. Q . V . . .
15.083	122.0217	416.80	. Q . V . . .
15.167	125.0226	435.72	. Q . V . . .
15.250	128.1668	456.54	. Q . V . . .
15.333	131.4750	480.36	. Q . V . . .
15.417	134.9463	504.03	. Q . V . . .
15.500	138.5274	519.98	. Q . V . . .
15.583	142.1582	527.19	. Q . V . . .
15.667	145.8463	535.52	. Q . V . . .
15.750	149.7333	564.39	. Q . V . . .
15.833	154.0253	623.20	. Q. V . . .
15.917	158.9539	715.63	. .Q V. . .
16.000	164.9456	869.99	. . Q V . .
16.083	173.1975	1198.18	. . Q .V . .
16.167	185.8843	1842.12	. . . V Q . .
16.250	202.4754	2409.04	. . . V . Q .
16.333	219.9588	2538.58	. . . V . Q.
16.417	233.4155	1953.91	. . . V Q .
16.500	242.5146	1321.20	. . Q V. .
16.583	249.0268	945.57	. . Q . V .
16.667	254.0078	723.23	. .Q . .V .
16.750	258.1585	602.69	. Q. . .V .
16.833	261.8781	540.07	. Q . . . V .
16.917	265.2047	483.02	. Q . . . V .
17.000	268.1934	433.96	. Q . . . V .
17.083	270.9070	394.02	. Q . . . V .
17.167	273.3862	359.97	. Q . . . V .
17.250	275.6710	331.75	. Q . . . V .
17.333	277.7761	305.67	. Q . . . V .
17.417	279.7319	283.98	. Q . . . V .
17.500	281.5658	266.28	. Q . . . V .
17.583	283.2964	251.30	. Q . . . V .
17.667	284.9374	238.27	. Q . . . V .
17.750	286.4989	226.73	. Q . . . V .
17.833	287.9863	215.98	. Q . . . V .
17.917	289.4077	206.38	. Q . . . V .
18.000	290.7675	197.44	. Q . . . V .
18.083	292.0585	187.45	. Q . . . V .
18.167	293.2521	173.31	. Q . . . V .
18.250	294.3161	154.50	. Q . . . V .
18.333	295.2383	133.89	. Q . . . V .
18.417	296.0549	118.57	.Q . . . V .
18.500	296.8109	109.76	.Q . . . V .
18.583	297.5290	104.27	.Q . . . V .
18.667	298.2219	100.61	.Q . . . V .
18.750	298.8954	97.79	.Q . . . V .
18.833	299.5511	95.21	.Q . . . V .
18.917	300.1909	92.90	.Q . . . V .
19.000	300.8163	90.82	.Q . . . V .
19.083	301.4288	88.93	.Q . . . V .
19.167	302.0292	87.18	.Q . . . V .
19.250	302.6182	85.52	.Q . . . V .
19.333	303.1962	83.92	.Q . . . V .
19.417	303.7636	82.39	.Q . . . V .
19.500	304.3209	80.91	.Q . . . V .
19.583	304.8681	79.46	.Q . . . V .
19.667	305.4044	77.87	.Q . . . V .
19.750	305.9311	76.47	.Q . . . V .
19.833	306.4493	75.24	.Q . . . V .
19.917	306.9595	74.08	.Q . . . V .
20.000	307.4620	72.96	.Q . . . V .

****
FLOW PROCESS FROM NODE 6371.00 TO NODE 6371.00 IS CODE = 7
>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6961.5 Ac. ***

****
FLOW PROCESS FROM NODE 6371.00 TO NODE 6371.00 IS CODE = 11
>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6961.5 Ac. ***

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 2000.0 4000.0 6000.0 8000.0
14.000	581.1647	1315.27	. Q V . . .
14.083	590.4868	1353.55	. Q V . . .
14.167	600.2031	1410.82	. Q V . . .
14.250	610.4882	1493.40	. Q .V . . .
14.333	621.5263	1602.73	. Q .V . . .
14.417	633.3804	1721.21	. Q .V . . .
14.500	646.0998	1846.86	. Q.V . . .
14.583	659.7250	1978.38	. Q. V . . .
14.667	674.3729	2126.87	. Q V . . .
14.750	690.2389	2303.75	. .QV . . .
14.833	707.3878	2490.02	. . Q . . .
14.917	725.6682	2654.31	. . Q . . .
15.000	744.8865	2790.50	. . Q . . .
15.083	764.9208	2908.99	. . VQ . . .
15.167	785.7191	3019.91	. . VQ . . .
15.250	807.2625	3128.10	. . VQ . . .
15.333	829.5572	3237.18	. . VQ . . .
15.417	852.5674	3341.09	. . VQ . . .
15.500	876.0992	3416.82	. . V Q . . .
15.583	899.8770	3452.53	. . VQ . . .

15.667	923.6304	3449.00	. . VQ . . .
15.750	947.3521	3444.39	. . Q . . .
15.833	971.1559	3456.31	. . Q . . .
15.917	995.2927	3504.66	. . QV . . .
16.000	1020.1286	3606.17	. . Q . . .
16.083	1046.5994	3843.56	. . Q. . .
16.167	1077.0850	4426.50	. . V. Q . .
16.250	1112.9871	5212.99	. . V Q . .
16.333	1154.4578	6021.55	. . .V Q . .
16.417	1198.6753	6420.39	. . .V . Q . .
16.500	1244.8997	6711.78	. . . V . Q . .
16.583	1292.8148	6957.29	. . . V . Q . .
16.667	1343.9041	7418.16	. . . V . . Q .
16.750	1398.8912	7984.14	. . . V . . Q.
16.833	1453.4918	7928.00	. . . V . . Q.
16.917	1502.1854	7070.31	. . . V . Q .
17.000	1543.9683	6066.87	. . . V Q .
17.083	1581.0564	5385.19	. . . Q V . .
17.167	1615.2737	4968.35	. . . Q V. .
17.250	1647.2622	4644.74	. . . Q V .
17.333	1677.0668	4327.62	. . .Q V .
17.417	1704.7675	4022.15	. . Q .V .
17.500	1730.4656	3731.37	. . Q . .V .
17.583	1754.3065	3461.70	. . Q . . V .
17.667	1776.3566	3201.66	. . Q . . V .
17.750	1796.5292	2929.06	. . Q . . V .
17.833	1814.8185	2655.61	. . Q . . V .
17.917	1831.4424	2413.78	. . Q . . V .
18.000	1846.6630	2210.02	. .Q . . V .
18.083	1860.6805	2035.35	. Q . . V .
18.167	1873.6422	1882.03	. Q. . V .
18.250	1885.5823	1733.69	. Q . . V .
18.333	1896.4688	1580.72	. Q . . V .
18.417	1906.4084	1443.25	. Q . . V .
18.500	1915.6008	1334.74	. Q . . V .
18.583	1924.2004	1248.67	. Q . . V .
18.667	1932.2800	1173.16	. Q . . V .
18.750	1939.8612	1100.78	. Q . . V .
18.833	1946.9747	1032.89	. Q . . V .
18.917	1953.6809	973.73	. Q . . V .
19.000	1960.0479	924.48	. Q . . V .
19.083	1966.1326	883.49	. Q . . V .
19.167	1971.9751	848.34	. Q . . V .
19.250	1977.6040	817.32	. Q . . V .
19.333	1983.0446	789.96	. Q . . V .
19.417	1988.3217	766.23	. Q . . V .
19.500	1993.4556	745.45	. Q . . V .
19.583	1998.4615	726.87	. Q . . V .
19.667	2003.3491	709.67	. Q . . V .
19.750	2008.1259	693.58	. Q . . V .
19.833	2012.7959	678.09	. Q . . V .
19.917	2017.3612	662.88	. Q . . V .
20.000	2021.8228	647.81	. Q . . V .
20.083	2026.1711	631.38	. Q . . V .
20.167	2030.3875	612.21	. Q . . V .
20.250	2034.4707	592.89	. Q . . V .
20.333	2038.4440	576.91	. Q . . V .
20.417	2042.3297	564.20	. Q . . V .
20.500	2046.1401	553.27	. Q . . V .
20.583	2049.8813	543.23	. Q . . V .
20.667	2053.5571	533.72	. Q . . V .
20.750	2057.1702	524.61	. Q . . V .
20.833	2060.7229	515.86	. Q . . V .
20.917	2064.2178	507.47	. Q . . V .
21.000	2067.6570	499.38	. Q . . V .
21.083	2071.0427	491.61	. Q . . V .
21.167	2074.3789	484.40	. Q . . V .
21.250	2077.6689	477.73	. Q . . V .
21.333	2080.9160	471.47	. Q . . V .
21.417	2084.1221	465.52	. Q . . V .
21.500	2087.2888	459.81	. Q . . V .
21.583	2090.4177	454.31	. Q . . V .
21.667	2093.5100	449.01	. Q . . V .
21.750	2096.5671	443.88	. Q . . V .
21.833	2099.5901	438.92	. Q . . V .
21.917	2102.5798	434.10	. Q . . V .
22.000	2105.5374	429.42	. Q . . V .
22.083	2108.4636	424.88	. Q . . V .
22.167	2111.3596	420.50	. Q . . V .
22.250	2114.2266	416.28	. Q . . V .
22.333	2117.0654	412.21	. Q . . V .
22.417	2119.8770	408.25	. Q . . V .
22.500	2122.6621	404.40	. Q . . V .
22.583	2125.4214	400.64	. Q . . V .
22.667	2128.1555	396.98	.Q . . V .
22.750	2130.8650	393.41	.Q . . V .
22.833	2133.5503	389.92	.Q . . V .
22.917	2136.2122	386.51	.Q . . V .
23.000	2138.8511	383.18	.Q . . V.
23.083	2141.4675	379.92	.Q . . V.
23.167	2144.0623	376.74	.Q . . V.
23.250	2146.6355	373.63	.Q . . V.
23.333	2149.1877	370.59	.Q . . V.
23.417	2151.7195	367.61	.Q . . V.
23.500	2154.2312	364.69	.Q . . V.
23.583	2156.7231	361.83	.Q . . V.
23.667	2159.1958	359.04	.Q . . V.
23.750	2161.6497	356.29	.Q . . V.
23.833	2164.0850	353.61	.Q . . V.
23.917	2166.5022	350.97	.Q . . V.
24.000	2168.9016	348.39	.Q . . V.
24.083	2171.2766	344.84	.Q . . V.
24.167	2173.5962	336.79	.Q . . V.
24.250	2175.8154	322.24	.Q . . V.
24.333	2177.8848	300.47	.Q . . V.
24.417	2179.7864	276.11	.Q . . V.
24.500	2181.5107	250.37	.Q . . V.
24.583	2183.0583	224.71	.Q . . V.
24.667	2184.4150	197.00	Q . . V.
24.750	2185.5454	164.12	Q . . V.
24.833	2186.4431	130.36	Q . . V.
24.917	2187.1531	103.09	Q . . V.
25.000	2187.7305	83.85	Q . . V.
25.083	2188.2126	70.01	Q . . V.
25.167	2188.6211	59.29	Q . . V.
25.250	2188.9692	50.54	Q . . V.
25.333	2189.2668	43.21	Q . . V.
25.417	2189.5217	37.00	Q . . V.
25.500	2189.7402	31.72	Q . . V.
25.583	2189.9275	27.19	Q . . V.
25.667	2190.0874	23.21	Q . . V.
25.750	2190.2231	19.73	Q . . V.
25.833	2190.3381	16.71	Q . . V.
25.917	2190.4353	14.11	Q . . V.
26.000	2190.5173	11.93	Q . . V.
26.083	2190.5869	10.11	Q . . V.
26.167	2190.6458	8.55	Q . . V.
26.250	2190.6956	7.22	Q . . V.
26.333	2190.7385	6.24	Q . . V.
26.417	2190.7771	5.60	Q . . V.
26.500	2190.8125	5.14	Q . . V.
26.583	2190.8455	4.78	Q . . V.
26.667	2190.8762	4.45	Q . . V.
26.750	2190.9048	4.14	Q . . V.

26.833	2190.9312	3.85	Q	.	.	.	V.
26.917	2190.9556	3.56	Q	.	.	.	V.
27.000	2190.9783	3.30	Q	.	.	.	V.
27.083	2190.9993	3.04	Q	.	.	.	V.
27.167	2191.0186	2.79	Q	.	.	.	V.
27.250	2191.0361	2.55	Q	.	.	.	V.
27.333	2191.0520	2.31	Q	.	.	.	V.
27.417	2191.0662	2.07	Q	.	.	.	V.
27.500	2191.0789	1.83	Q	.	.	.	V.
27.583	2191.0898	1.60	Q	.	.	.	V.
27.667	2191.0994	1.37	Q	.	.	.	V.
27.750	2191.1072	1.14	Q	.	.	.	V.
27.833	2191.1135	0.92	Q	.	.	.	V.
27.917	2191.1184	0.70	Q	.	.	.	V.
28.000	2191.1218	0.48	Q	.	.	.	V.
28.083	2191.1238	0.28	Q	.	.	.	V.
28.167	2191.1248	0.14	Q	.	.	.	V
28.250	2191.1252	0.07	Q	.	.	.	V
28.333	2191.1255	0.03	Q	.	.	.	V
28.417	2191.1257	0.02	Q	.	.	.	V
28.500	2191.1257	0.01	Q	.	.	.	V
28.583	2191.1257	0.01	Q	.	.	.	V
28.667	2191.1257	0.01	Q	.	.	.	V
28.750	2191.1257	0.01	Q	.	.	.	V
28.833	2191.1257	0.00	Q	.	.	.	V
28.917	2191.1257	0.00	Q	.	.	.	V
29.000	2191.1257	0.00	Q	.	.	.	V
29.083	2191.1257	0.00	Q	.	.	.	V
29.167	2191.1257	0.00	Q	.	.	.	V
29.250	2191.1257	0.00	Q	.	.	.	V
29.333	2191.1257	0.00	Q	.	.	.	V
29.417	2191.1257	0.00	Q	.	.	.	V
29.500	2191.1257	0.00	Q	.	.	.	V
29.583	2191.1257	0.00	Q	.	.	.	V
29.667	2191.1257	0.00	Q	.	.	.	V
29.750	2191.1257	0.00	Q	.	.	.	V
29.833	2191.1257	0.00	Q	.	.	.	V
29.917	2191.1257	0.00	Q	.	.	.	V
30.000	2191.1257	0.00	Q	.	.	.	V

****

FLOW PROCESS FROM NODE 6371.00 TO NODE 6395.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<

==========

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6961.5 Ac. ***

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 35.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 220.00
DOWNSTREAM ELEVATION(FT) = 213.00
CHANNEL LENGTH(FT) = 959.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 7984.14
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5972.88
CHANNEL NORMAL VELOCITY FOR Q = 5972.88 CFS = 12.17 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.877

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.999

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	1315.27	1307.70	1307.70
14.083	1353.55	1344.69	1344.69
14.167	1410.82	1397.55	1397.55
14.250	1493.40	1474.27	1474.27
14.333	1602.73	1577.40	1577.40
14.417	1721.21	1693.76	1693.76
14.500	1846.86	1817.75	1817.75
14.583	1978.38	1947.91	1947.91
14.667	2126.87	2092.47	2092.47
14.750	2303.75	2262.77	2262.77
14.833	2490.02	2446.87	2446.87
14.917	2654.31	2616.24	2616.24
15.000	2790.50	2758.94	2758.94
15.083	2908.99	2881.53	2881.53
15.167	3019.91	2994.21	2994.21
15.250	3128.10	3103.03	3103.03
15.333	3237.18	3211.91	3211.91
15.417	3341.09	3317.01	3317.01
15.500	3416.82	3399.26	3399.26
15.583	3452.53	3444.24	3444.24
15.667	3449.00	3449.81	3449.81
15.750	3444.39	3445.46	3445.46
15.833	3456.31	3453.55	3453.55
15.917	3504.66	3493.47	3493.47
16.000	3606.17	3582.66	3582.66
16.083	3843.56	3788.60	3788.60
16.167	4426.50	4291.53	4291.53
16.250	5212.99	5030.83	5030.83
16.333	6021.55	5834.22	5834.22
16.417	6420.39	6327.88	6327.88
16.500	6711.78	6644.24	6644.24
16.583	6957.29	6900.40	6900.40
16.667	7418.16	7311.44	7311.44
16.750	7984.14	7853.04	7853.04
16.833	7928.00	7940.84	7940.84
16.917	7070.31	7268.81	7268.81
17.000	6066.87	6299.31	6299.31
17.083	5385.19	5543.21	5543.21
17.167	4968.35	5064.99	5064.99
17.250	4644.74	4719.74	4719.74
17.333	4327.62	4401.09	4401.09
17.417	4022.15	4092.92	4092.92
17.500	3731.37	3798.74	3798.74
17.583	3461.70	3524.19	3524.19
17.667	3201.66	3261.91	3261.91
17.750	2929.06	2992.22	2992.22
17.833	2655.61	2718.97	2718.97
17.917	2413.78	2469.82	2469.82
18.000	2210.02	2257.24	2257.24
18.083	2035.35	2075.83	2075.83
18.167	1882.03	1917.56	1917.56
18.250	1733.69	1768.06	1768.06

```
          18.333      1580.72     1616.16     1616.16
          18.417      1443.25     1475.10     1475.10
          18.500      1334.74     1359.88     1359.88
          18.583      1248.67     1268.61     1268.61
          18.667      1173.16     1190.66     1190.66
          18.750      1100.78     1117.55     1117.55
          18.833      1032.89     1048.62     1048.62
          18.917       973.73      987.44      987.44
          19.000       924.48      935.89      935.89
          19.083       883.49      892.99      892.99
          19.167       848.34      856.49      856.49
          19.250       817.32      824.51      824.51
          19.333       789.96      796.30      796.30
          19.417       766.23      771.73      771.73
          19.500       745.45      750.26      750.26
          19.583       726.87      731.18      731.18
          19.667       709.67      713.66      713.66
          19.750       693.58      697.31      697.31
          19.833       678.09      681.68      681.68
          19.917       662.88      666.40      666.40
          20.000       647.81      651.30      651.30
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   2191.124 AF
    OUTFLOW VOLUME =   2191.125 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6380.00 TO NODE   6395.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   329.6 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     329.600 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.330 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.150
        LOW LOSS FRACTION = 0.500
        *HYDROGRAPH MODEL #1 SPECIFIED*

        SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
        SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
        SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
        SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
        SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
        SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

        *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
          5-MINUTE FACTOR = 0.985
         30-MINUTE FACTOR = 0.985
          1-HOUR FACTOR = 0.985
          3-HOUR FACTOR = 0.998
          6-HOUR FACTOR = 0.999
         24-HOUR FACTOR = 0.999

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  25.253


        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
        MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
          1               1.602               63.859
          2               7.797              246.932
          3              21.404              542.405
          4              39.370              716.138
          5              60.064              824.885
          6              75.891              630.876
          7              85.613              387.515
          8              91.167              221.417
          9              94.489              132.407
         10              96.293               71.884
         11              97.026               29.243
         12              97.665               25.478
         13              98.270               24.118
         14              98.850               23.087
         15              98.984                5.349
         16              99.089                4.176
         17              99.176                3.468
         18              99.236                2.391
         19              99.292                2.234
         20              99.345                2.124
         21              99.396                2.026
         22              99.445                1.965
         23              99.491                1.826
         24              99.536                1.815
         25              99.577                1.639
         26              99.617                1.559
         27              99.656                1.556
         28              99.690                1.365
         29              99.721                1.257
         30              99.753                1.257
         31              99.784                1.254
         32              99.812                1.082
         33              99.830                0.737
         34              99.848                0.724
         35              99.866                0.724
         36              99.885                0.724
         37              99.900                0.614
         38              99.906                0.230
         39              99.911                0.198
         40              99.916                0.197
         41              99.921                0.199
         42              99.926                0.197
         43              99.930                0.197
         44              99.935                0.198
         45              99.940                0.198
```

46	99.945	0.197
47	99.950	0.199
48	99.955	0.197
49	99.960	0.197
50	99.965	0.196
51	99.970	0.197
52	99.975	0.197
53	99.980	0.197
54	99.985	0.196
55	99.990	0.197
56	99.995	0.197
57	100.000	0.197
58	100.000	0.013

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 59.4543

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 112.8638

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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 200.0 400.0 600.0 800.0
14.000	31.3450	77.30	. Q .V . . .
14.083	31.8943	79.76	. Q .V . . .
14.167	32.4621	82.45	. Q .V . . .
14.250	33.0512	85.54	. Q .V . . .
14.333	33.6634	88.89	. Q .V . . .
14.417	34.3007	92.53	. Q . V . . .
14.500	34.9632	96.20	. Q . V . . .
14.583	35.6517	99.96	. Q . V . . .
14.667	36.3666	103.81	. Q . V . . .
14.750	37.1099	107.93	. Q . V . . .
14.833	37.8831	112.27	. Q . V . . .
14.917	38.6890	117.01	. Q . V . . .
15.000	39.5300	122.11	. Q . V . . .
15.083	40.4100	127.78	. Q . V . . .
15.167	41.3325	133.95	. Q . V . . .
15.250	42.3028	140.89	. Q . V . . .
15.333	43.3260	148.56	. Q . V . . .
15.417	44.4057	156.77	. Q . V . . .
15.500	45.5378	164.38	. Q . V . . .
15.583	46.7154	170.99	. Q . V . . .
15.667	47.9404	177.87	. Q . V . . .
15.750	49.2283	187.00	. Q. V . . .
15.833	50.6208	202.19	. Q V . . .
15.917	52.1899	227.84	. .Q V . . .
16.000	54.0403	268.68	. . Q V. . .
16.083	56.4886	355.50	. . Q V . .
16.167	59.9356	500.50	. . .V Q . .
16.250	64.6034	677.76	. . . V . Q .
16.333	69.9046	769.73	. . . V . . Q .
16.417	75.3201	786.33	. . . V . . Q.
16.500	79.7728	646.54	. . . V . Q .
16.583	83.0865	481.15	. . . Q V. .
16.667	85.5544	358.33	. . Q . V .
16.750	87.4884	280.83	. . Q . .V .
16.833	89.0372	224.88	. .Q . .V .
16.917	90.3057	184.19	. Q. . . V .
17.000	91.4430	165.13	. Q . . . V .
17.083	92.4766	150.08	. Q . . . V .
17.167	93.4151	136.28	. Q . . . . V .
17.250	94.2231	117.32	. Q . . . . V .
17.333	94.9609	107.13	. Q . . . . V .
17.417	95.6407	98.70	. Q . . . . V .
17.500	96.2702	91.40	. Q . . . . V .
17.583	96.8581	85.36	. Q . . . . V .
17.667	97.4099	80.13	. Q . . . . V .
17.750	97.9299	75.50	. Q . . . . V .
17.833	98.4213	71.35	. Q . . . . V .
17.917	98.8866	67.57	. Q . . . . V .
18.000	99.3284	64.15	. Q . . . . V .
18.083	99.7471	60.80	. Q . . . . V .
18.167	100.1419	57.33	. Q . . . . V .
18.250	100.5105	53.51	. Q . . . . V .
18.333	100.8517	49.55	. Q . . . . V .
18.417	101.1666	45.72	. Q . . . . V .
18.500	101.4608	42.72	. Q . . . . V .
18.583	101.7398	40.51	. Q . . . . V .
18.667	102.0068	38.78	. Q . . . . V .
18.750	102.2638	37.31	. Q . . . . V .
18.833	102.5133	36.23	. Q . . . . V .
18.917	102.7565	35.31	. Q . . . . V .
19.000	102.9937	34.45	. Q . . . . V .
19.083	103.2249	33.56	. Q . . . . V .
19.167	103.4496	32.63	. Q . . . . V .
19.250	103.6696	31.94	. Q . . . . V .
19.333	103.8853	31.32	. Q . . . . V .
19.417	104.0970	30.74	. Q . . . . V .
19.500	104.3048	30.18	. Q . . . . V .
19.583	104.5090	29.65	. Q . . . . V .
19.667	104.7098	29.15	. Q . . . . V .
19.750	104.9072	28.67	. Q . . . . V .
19.833	105.1015	28.20	. Q . . . . V .
19.917	105.2927	27.76	. Q . . . . V .
20.000	105.4809	27.34	. Q . . . . V .

****
FLOW PROCESS FROM NODE 6395.00 TO NODE 6395.00 IS CODE = 7
>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 7291.1 Ac. ***

****
FLOW PROCESS FROM NODE 6395.00 TO NODE 6395.00 IS CODE = 11
>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 7291.1 Ac. ***

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 2025.0 4050.0 6075.0 8100.0
0.083	0.0072	1.04	Q . . . .
0.167	0.0525	6.58	Q . . . .
0.250	0.1863	19.43	Q . . . .
0.333	0.4632	40.20	Q . . . .
0.417	0.9128	65.28	Q . . . .
0.500	1.5430	91.50	Q . . . .
0.583	2.3507	117.28	Q . . . .
0.667	3.3437	144.19	Q . . . .
0.750	4.5521	175.46	Q . . . .
0.833	5.9897	208.73	VQ . . . .
0.917	7.6251	237.46	VQ . . . .
1.000	9.4075	258.80	VQ . . . .
1.083	11.2967	274.31	VQ . . . .
1.167	13.2685	286.30	VQ . . . .
1.250	15.3077	296.10	VQ . . . .
1.333	17.4043	304.43	VQ . . . .
1.417	19.5507	311.65	VQ . . . .
1.500	21.7405	317.96	VQ . . . .
1.583	23.9687	323.54	VQ . . . .
1.667	26.2317	328.58	VQ . . . .

1.750	28.5262	333.16	VQ	.	.	.	.
1.833	30.8493	337.32	VQ	.	.	.	.
1.917	33.1984	341.08	VQ	.	.	.	.
2.000	35.5707	344.47	VQ	.	.	.	.
2.083	37.9640	347.50	VQ	.	.	.	.
2.167	40.3765	350.29	VQ	.	.	.	.
2.250	42.8067	352.87	VQ	.	.	.	.
2.333	45.2526	355.15	VQ	.	.	.	.
2.417	47.7121	357.11	VQ	.	.	.	.
2.500	50.1836	358.87	VQ	.	.	.	.
2.583	52.6666	360.53	VQ	.	.	.	.
2.667	55.1608	362.16	VQ	.	.	.	.
2.750	57.6662	363.77	.Q	.	.	.	.
2.833	60.1827	365.39	.Q	.	.	.	.
2.917	62.7103	367.02	.Q	.	.	.	.
3.000	65.2492	368.64	.Q	.	.	.	.
3.083	67.7992	370.27	.Q	.	.	.	.
3.167	70.3605	371.90	.Q	.	.	.	.
3.250	72.9332	373.55	.Q	.	.	.	.
3.333	75.5172	375.21	.Q	.	.	.	.
3.417	78.1128	376.88	.Q	.	.	.	.
3.500	80.7200	378.56	.Q	.	.	.	.
3.583	83.3389	380.27	.Q	.	.	.	.
3.667	85.9696	381.98	.Q	.	.	.	.
3.750	88.6123	383.72	.Q	.	.	.	.
3.833	91.2670	385.46	.Q	.	.	.	.
3.917	93.9338	387.22	.Q	.	.	.	.
4.000	96.6128	388.99	.Q	.	.	.	.
4.083	99.3040	390.77	.Q	.	.	.	.
4.167	102.0073	392.52	.Q	.	.	.	.
4.250	104.7224	394.23	.Q	.	.	.	.
4.333	107.4490	395.91	.Q	.	.	.	.
4.417	110.1872	397.58	.Q	.	.	.	.
4.500	112.9369	399.26	.Q	.	.	.	.
4.583	115.6983	400.95	.QV	.	.	.	.
4.667	118.4714	402.66	.QV	.	.	.	.
4.750	121.2565	404.39	.QV	.	.	.	.
4.833	124.0535	406.13	. Q	.	.	.	.
4.917	126.8628	407.90	. Q	.	.	.	.
5.000	129.6843	409.69	. Q	.	.	.	.
5.083	132.5183	411.49	. Q	.	.	.	.
5.167	135.3648	413.32	. Q	.	.	.	.
5.250	138.2241	415.17	. Q	.	.	.	.
5.333	141.0963	417.04	. Q	.	.	.	.
5.417	143.9814	418.93	. Q	.	.	.	.
5.500	146.8798	420.84	. Q	.	.	.	.
5.583	149.7915	422.78	. Q	.	.	.	.
5.667	152.7167	424.74	. Q	.	.	.	.
5.750	155.6555	426.72	. Q	.	.	.	.
5.833	158.6082	428.73	. Q	.	.	.	.
5.917	161.5749	430.76	. Q	.	.	.	.
6.000	164.5557	432.82	. Q	.	.	.	.
6.083	167.5510	434.91	. Q	.	.	.	.
6.167	170.5607	437.02	. Q	.	.	.	.
6.250	173.5852	439.16	. QV	.	.	.	.
6.333	176.6246	441.32	. QV	.	.	.	.
6.417	179.6791	443.51	. QV	.	.	.	.
6.500	182.7490	445.74	. QV	.	.	.	.
6.583	185.8343	447.99	. QV	.	.	.	.
6.667	188.9353	450.27	. QV	.	.	.	.
6.750	192.0523	452.58	. QV	.	.	.	.
6.833	195.1854	454.93	. QV	.	.	.	.
6.917	198.3349	457.30	. QV	.	.	.	.
7.000	201.5009	459.71	. QV	.	.	.	.
7.083	204.6838	462.15	. QV	.	.	.	.
7.167	207.8837	464.63	. QV	.	.	.	.
7.250	211.1010	467.14	. QV	.	.	.	.
7.333	214.3357	469.69	. QV	.	.	.	.
7.417	217.5883	472.27	. QV	.	.	.	.
7.500	220.8589	474.89	. QV	.	.	.	.
7.583	224.1478	477.55	. QV	.	.	.	.
7.667	227.4553	480.25	. QV	.	.	.	.
7.750	230.7817	482.99	. Q V	.	.	.	.
7.833	234.1272	485.77	. Q V	.	.	.	.
7.917	237.4922	488.59	. Q V	.	.	.	.
8.000	240.8769	491.46	. Q V	.	.	.	.
8.083	244.2816	494.37	. Q V	.	.	.	.
8.167	247.7067	497.32	. Q V	.	.	.	.
8.250	251.1525	500.33	. Q V	.	.	.	.
8.333	254.6193	503.38	. Q V	.	.	.	.
8.417	258.1074	506.48	. Q V	.	.	.	.
8.500	261.6172	509.63	. Q V	.	.	.	.
8.583	265.1491	512.83	. Q V	.	.	.	.
8.667	268.7034	516.09	. Q V	.	.	.	.
8.750	272.2805	519.40	. Q V	.	.	.	.
8.833	275.8808	522.76	. Q V	.	.	.	.
8.917	279.5047	526.19	. Q V	.	.	.	.
9.000	283.1526	529.67	. Q V	.	.	.	.
9.083	286.8248	533.21	. Q V	.	.	.	.
9.167	290.5219	536.82	. Q V	.	.	.	.
9.250	294.2443	540.49	. Q V	.	.	.	.
9.333	297.9925	544.23	. Q V	.	.	.	.
9.417	301.7668	548.04	. Q V	.	.	.	.
9.500	305.5679	551.91	. Q V	.	.	.	.
9.583	309.3961	555.86	. Q V	.	.	.	.
9.667	313.2521	559.89	. Q V	.	.	.	.
9.750	317.1363	563.99	. Q V	.	.	.	.
9.833	321.0494	568.17	. Q V	.	.	.	.
9.917	324.9918	572.44	. Q V	.	.	.	.
10.000	328.9641	576.79	. Q V	.	.	.	.
10.083	332.9670	581.22	. Q V	.	.	.	.
10.167	337.0011	585.75	. Q V	.	.	.	.
10.250	341.0670	590.37	. Q V	.	.	.	.
10.333	345.1654	595.09	. Q V	.	.	.	.
10.417	349.2970	599.91	. Q V	.	.	.	.
10.500	353.4625	604.83	. Q V	.	.	.	.
10.583	357.6626	609.86	. Q V	.	.	.	.
10.667	361.8982	615.00	. Q V	.	.	.	.
10.750	366.1699	620.25	. Q V	.	.	.	.
10.833	370.4786	625.63	. Q V	.	.	.	.
10.917	374.8252	631.12	. Q V	.	.	.	.
11.000	379.2105	636.75	. Q V	.	.	.	.
11.083	383.6355	642.51	. Q V	.	.	.	.
11.167	388.1012	648.41	. Q V	.	.	.	.
11.250	392.6084	654.45	. Q V	.	.	.	.
11.333	397.1583	660.65	. Q V	.	.	.	.
11.417	401.7520	666.99	. Q V	.	.	.	.
11.500	406.3905	673.51	. Q V	.	.	.	.
11.583	411.0750	680.19	. Q V	.	.	.	.
11.667	415.8068	687.05	. Q V	.	.	.	.
11.750	420.5870	694.09	. Q V	.	.	.	.
11.833	425.4172	701.33	. Q V	.	.	.	.
11.917	430.2985	708.77	. Q V	.	.	.	.
12.000	435.2326	716.42	. Q V	.	.	.	.
12.083	440.2304	725.69	. Q V	.	.	.	.
12.167	445.3353	741.22	. Q V	.	.	.	.
12.250	450.6114	766.09	. Q V	.	.	.	.
12.333	456.1188	799.67	. Q V	.	.	.	.
12.417	461.8734	835.58	. Q V	.	.	.	.
12.500	467.8658	870.08	. Q V	.	.	.	.
12.583	474.0839	902.88	. Q V	.	.	.	.
12.667	480.5299	935.96	. Q V	.	.	.	.
12.750	487.2260	972.28	. Q V	.	.	.	.
12.833	494.1850	1010.44	. Q V	.	.	.	.

12.917	501.3854	1045.50	. Q V . . . .
13.000	508.7915	1075.37	. Q V . . . .
13.083	516.3760	1101.26	. Q V . . . .
13.167	524.1238	1124.99	. Q V. . . .
13.250	532.0275	1147.62	. Q V. . . .
13.333	540.0847	1169.90	. Q V. . . .
13.417	548.2957	1192.24	. Q V. . . .
13.500	556.6642	1215.11	. Q V. . . .
13.583	565.1969	1238.94	. Q V. . . .
13.667	573.9053	1264.45	. Q V. . . .
13.750	582.8046	1292.18	. Q V . . .
13.833	591.9114	1322.31	. Q V . . .
13.917	601.2409	1354.65	. Q V . . .
14.000	610.8074	1389.06	. Q V . . .
14.083	620.6521	1429.45	. Q V . . .
14.167	630.9080	1489.16	. Q V . . .
14.250	641.7773	1578.22	. Q .V . . .
14.333	653.4666	1697.28	. Q .V . . .
14.417	666.0818	1831.73	. Q.V . . .
14.500	679.6559	1970.95	. Q.V . . .
14.583	694.2061	2112.70	. Q V . . .
14.667	709.8152	2266.45	. .QV . . .
14.750	726.6564	2445.33	. . Q . . .
14.833	744.8221	2637.67	. . VQ . . .
14.917	764.2051	2814.41	. . Q . . .
15.000	784.6144	2963.43	. . VQ . . .
15.083	805.9061	3091.55	. . VQ . . .
15.167	828.0082	3209.23	. . VQ . . .
15.250	850.8918	3322.69	. . V Q . . .
15.333	874.5566	3436.12	. . VQ . . .
15.417	898.9642	3543.99	. . V Q . . .
15.500	923.9176	3623.23	. . VQ . . .
15.583	949.0990	3656.34	. . V Q . . .
15.667	974.2032	3645.14	. . V Q . . .
15.750	999.1525	3622.64	. . Q . . .
15.833	1024.0914	3621.14	. . Q . . .
15.917	1049.3269	3664.20	. . Q . . .
16.000	1075.2950	3770.58	. . Q . . .
16.083	1103.0299	4027.11	. . Q. . . .
16.167	1134.8494	4620.19	. . V. Q . . .
16.250	1172.5322	5471.55	. . V Q . . .
16.333	1216.0887	6324.40	. . .V .Q . .
16.417	1263.0579	6819.92	. . .V . Q . .
16.500	1311.4933	7032.82	. . . V . Q . .
16.583	1360.9264	7177.68	. . . V . Q . .
16.667	1412.6570	7511.28	. . . V . Q . .
16.750	1467.8464	8013.51	. . . V . Q.
16.833	1523.5411	8086.88	. . . V . Q.
16.917	1574.6166	7416.16	. . . V . Q . .
17.000	1619.0906	6457.62	. . . V .Q . .
17.083	1658.3915	5706.49	. . . Q . . .
17.167	1694.3896	5226.93	. . . Q V. . .
17.250	1727.9224	4868.96	. . . Q V . .
17.333	1759.1812	4538.78	. . Q V . .
17.417	1788.2201	4216.45	. . Q .V . .
17.500	1815.1495	3910.16	. . Q. .V . .
17.583	1840.1245	3626.38	. . Q . . V . .
17.667	1863.2435	3356.88	. . Q . . V . .
17.750	1884.4592	3080.53	. . Q . . V . .
17.833	1903.7488	2800.84	. . Q . . . V . .
17.917	1921.2837	2546.06	. . Q . . . V . .
18.000	1937.3226	2328.86	. .Q . . . V . .
18.083	1952.0845	2143.41	. . Q . . . V . .
18.167	1965.7275	1980.98	. . Q. . . . V . .
18.250	1978.3109	1827.11	. . Q. . . . V . .
18.333	1989.8173	1670.72	. . Q . . . . V . .
18.417	2000.3203	1525.04	. . Q . . . . V . .
18.500	2010.0034	1405.99	. . Q . . . . V . .
18.583	2019.0381	1311.84	. . Q . . . . V . .
18.667	2027.5206	1231.67	. . Q . . . . V . .
18.750	2035.4868	1156.69	. . Q . . . . V . .
18.833	2042.9678	1086.23	. . Q . . . . V . .
18.917	2050.0181	1023.71	. . Q . . . . V . .
19.000	2056.7048	970.91	. . Q . . . . V . .
19.083	2063.0879	926.82	. . Q . . . . V . .
19.167	2069.2117	889.16	. . Q . . . . V .
19.250	2075.1089	856.29	. . Q . . . . V .
19.333	2080.8064	827.29	. . Q . . . . V .
19.417	2086.3298	802.02	. Q . . . . V .
19.500	2091.7012	779.92	. Q . . . . V .
19.583	2096.9370	760.26	. Q . . . . V .
19.667	2102.0488	742.22	. Q . . . . V .
19.750	2107.0447	725.39	. Q . . . . V .
19.833	2111.9297	709.32	. Q . . . . V .
19.917	2116.7068	693.63	. Q . . . . V .
20.000	2121.3772	678.16	. Q . . . . V .
20.083	2125.9346	661.72	. Q . . . . V .
20.167	2130.3625	642.94	. Q . . . . V .
20.250	2134.6560	623.41	. Q . . . . V .
20.333	2138.8320	606.38	. Q . . . . V .
20.417	2142.9133	592.60	. Q . . . . V .
20.500	2146.9143	580.94	. Q . . . . V .
20.583	2150.8425	570.38	. Q . . . . V .
20.667	2154.7021	560.42	. Q . . . . V .
20.750	2158.4961	550.89	. Q . . . . V .
20.833	2162.2266	541.68	. Q . . . . V .
20.917	2165.8965	532.88	. Q . . . . V .
21.000	2169.5083	524.43	. Q . . . . V .
21.083	2173.0640	516.30	. Q . . . . V .
21.167	2176.5671	508.67	. Q . . . . V .
21.250	2180.0217	501.61	. Q . . . . V .
21.333	2183.4309	495.00	. Q . . . . V .
21.417	2186.7969	488.74	. Q . . . . V .
21.500	2190.1216	482.74	. Q . . . . V .
21.583	2193.4065	476.97	. Q . . . . V .
21.667	2196.6531	471.40	. Q . . . . V .
21.750	2199.8625	466.02	. Q . . . . V .
21.833	2203.0361	460.81	. Q . . . . V .
21.917	2206.1750	455.75	. Q . . . . V .
22.000	2209.2800	450.85	. Q . . . . V .
22.083	2212.3523	446.09	. Q . . . . V .
22.167	2215.3928	441.49	. Q . . . . V .
22.250	2218.4028	437.05	. Q . . . . V .
22.333	2221.3833	432.76	. Q . . . . V .
22.417	2224.3352	428.61	. Q . . . . V .
22.500	2227.2593	424.56	. Q . . . . V .
22.583	2230.1562	420.62	. Q . . . . V .
22.667	2233.0266	416.78	. Q . . . . V .
22.750	2235.8711	413.03	. Q . . . . V .
22.833	2238.6904	409.37	. Q . . . . V .
22.917	2241.4851	405.79	. Q . . . . V .
23.000	2244.2559	402.30	.Q . . . . V.
23.083	2247.0029	398.88	.Q . . . . V.
23.167	2249.7271	395.55	.Q . . . . V.
23.250	2252.4287	392.28	.Q . . . . V.
23.333	2255.1084	389.08	.Q . . . . V.
23.417	2257.7666	385.96	.Q . . . . V.
23.500	2260.4036	382.90	.Q . . . . V.
23.583	2263.0200	379.90	.Q . . . . V.
23.667	2265.6162	376.96	.Q . . . . V.
23.750	2268.1926	374.09	.Q . . . . V.
23.833	2270.7495	371.27	.Q . . . . V.
23.917	2273.2874	368.50	.Q . . . . V.
24.000	2275.8066	365.79	.Q . . . . V.

24.083	2278.3003	362.09	.Q	.	.	.	V.
24.167	2280.7380	353.97	.Q	.	.	.	V.
24.250	2283.0703	338.64	.Q	.	.	.	V.
24.333	2285.2437	315.58	.Q	.	.	.	V.
24.417	2287.2302	288.46	.Q	.	.	.	V.
24.500	2289.0242	260.48	.Q	.	.	.	V.
24.583	2290.6304	233.24	.Q	.	.	.	V.
24.667	2292.0432	205.15	.Q	.	.	.	V.
24.750	2293.2346	172.99	Q	.	.	.	V.
24.833	2294.1929	139.15	Q	.	.	.	V.
24.917	2294.9517	110.19	Q	.	.	.	V.
25.000	2295.5640	88.91	Q	.	.	.	V.
25.083	2296.0713	73.66	Q	.	.	.	V.
25.167	2296.4988	62.09	Q	.	.	.	V.
25.250	2296.8625	52.83	Q	.	.	.	V.
25.333	2297.1733	45.14	Q	.	.	.	V.
25.417	2297.4395	38.65	Q	.	.	.	V.
25.500	2297.6677	33.13	Q	.	.	.	V.
25.583	2297.8633	28.41	Q	.	.	.	V.
25.667	2298.0305	24.29	Q	.	.	.	V.
25.750	2298.1729	20.68	Q	.	.	.	V.
25.833	2298.2937	17.53	Q	.	.	.	V.
25.917	2298.3958	14.83	Q	.	.	.	V.
26.000	2298.4822	12.54	Q	.	.	.	V.
26.083	2298.5554	10.63	Q	.	.	.	V.
26.167	2298.6174	9.00	Q	.	.	.	V.
26.250	2298.6699	7.61	Q	.	.	.	V.
26.333	2298.7148	6.53	Q	.	.	.	V.
26.417	2298.7549	5.80	Q	.	.	.	V.
26.500	2298.7913	5.29	Q	.	.	.	V.
26.583	2298.8250	4.90	Q	.	.	.	V.
26.667	2298.8564	4.56	Q	.	.	.	V.
26.750	2298.8857	4.25	Q	.	.	.	V.
26.833	2298.9128	3.94	Q	.	.	.	V.
26.917	2298.9380	3.65	Q	.	.	.	V.
27.000	2298.9612	3.38	Q	.	.	.	V.
27.083	2298.9827	3.12	Q	.	.	.	V.
27.167	2299.0024	2.87	Q	.	.	.	V.
27.250	2299.0205	2.62	Q	.	.	.	V.
27.333	2299.0369	2.38	Q	.	.	.	V.
27.417	2299.0515	2.14	Q	.	.	.	V.
27.500	2299.0647	1.90	Q	.	.	.	V.
27.583	2299.0762	1.67	Q	.	.	.	V.
27.667	2299.0862	1.44	Q	.	.	.	V.
27.750	2299.0945	1.21	Q	.	.	.	V.
27.833	2299.1013	0.98	Q	.	.	.	V.
27.917	2299.1064	0.76	Q	.	.	.	V.
28.000	2299.1101	0.54	Q	.	.	.	V.
28.083	2299.1123	0.34	Q	.	.	.	V.
28.167	2299.1130	0.10	Q	.	.	.	V.
28.250	2299.1135	0.06	Q	.	.	.	V.
28.333	2299.1138	0.04	Q	.	.	.	V.
28.417	2299.1140	0.03	Q	.	.	.	V.
28.500	2299.1143	0.02	Q	.	.	.	V.
28.583	2299.1143	0.01	Q	.	.	.	V.
28.667	2299.1143	0.01	Q	.	.	.	V.
28.750	2299.1143	0.01	Q	.	.	.	V.
28.833	2299.1143	0.00	Q	.	.	.	V.
28.917	2299.1143	0.00	Q	.	.	.	V.
29.000	2299.1143	0.00	Q	.	.	.	V.
29.083	2299.1143	0.00	Q	.	.	.	V.
29.167	2299.1143	0.00	Q	.	.	.	V.
29.250	2299.1143	0.00	Q	.	.	.	V.
29.333	2299.1143	0.00	Q	.	.	.	V.
29.417	2299.1143	0.00	Q	.	.	.	V.
29.500	2299.1143	0.00	Q	.	.	.	V.
29.583	2299.1143	0.00	Q	.	.	.	V.
29.667	2299.1143	0.00	Q	.	.	.	V.
29.750	2299.1143	0.00	Q	.	.	.	V.
29.833	2299.1143	0.00	Q	.	.	.	V.
29.917	2299.1143	0.00	Q	.	.	.	V.
30.000	2299.1143	0.00	Q	.	.	.	V.

PRELIMINARY DRAFT – FOR INTERNAL USE ONLY

HYDROLOGY ANALYSIS FOR CANADA GOBERNADORA PROPOSED CONDITION 100-YEAR HIGH CONFIDENCE STORM EVENT (MULTI-DAY HYDROGRAPH)

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                         430 Exchange, Suite 200
                          Irvine, CA. 92602-1309
                             714 - 734 - 5100

--------------------------------------------------------------------------
  FILE NAME: CP63CH-M.FLD
  TIME/DATE OF STUDY: 13:17 04/01/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    780.00 IS CODE =   1
--------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  4741.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
==========================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

        WATERSHED AREA =    4741.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.480 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  1.000
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.190
        LOW LOSS FRACTION = 0.550
        *HYDROGRAPH MODEL #1 SPECIFIED*

        SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
        SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
        SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
        SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
        SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
        SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

        *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
          5-MINUTE FACTOR = 0.793
         30-MINUTE FACTOR = 0.793
          1-HOUR FACTOR = 0.793
          3-HOUR FACTOR = 0.969
          6-HOUR FACTOR = 0.984
         24-HOUR FACTOR = 0.990

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  17.361

        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
        MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


==========================================================================
                     UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------
        1                1.137               652.130
        2                4.082              1688.625
        3                8.525              2547.514
        4               14.577              3470.279
        5               24.203              5519.575
        6               43.203             10894.611
        7               57.937              8448.228
        8               65.484              4327.674
        9               70.911              3111.621
       10               75.443              2599.076
       11               78.982              2029.171
       12               82.133              1806.516
       13               84.749              1499.854
       14               87.075              1334.078
       15               88.974              1088.566
       16               90.645               958.165
       17               92.163               870.854
       18               93.467               747.418
       19               94.550               621.273
       20               95.489               538.119
       21               96.255               439.106
       22               96.815               321.374
       23               97.375               321.055
       24               97.900               301.316
       25               98.079               102.631
       26               98.169                51.477
       27               98.259                51.411
       28               98.349                51.608
       29               98.439                51.604
       30               98.528                51.219
       31               98.618                51.477
       32               98.708                51.477
       33               98.798                51.608
       34               98.887                51.346
       35               98.977                51.608
       36               99.067                51.604
       37               99.157                51.604
       38               99.247                51.604
       39               99.337                51.604
       40               99.427                51.604
       41               99.517                51.604
       42               99.607                51.604
       43               99.697                51.604
       44               99.787                51.604
       45               99.877                51.604
       46               99.967                51.604
       47              100.000                18.785


--------------------------------------------------------------------------
    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     993.1859
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =    1463.6560
--------------------------------------------------------------------------
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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 2025.0 4050.0 6075.0 8100.0
14.000	382.5607	875.72	. Q V . . .
14.083	388.8354	911.09	. Q V . . .
14.167	395.4516	960.67	. Q V . . .
14.250	402.4846	1021.19	. Q V . . .
14.333	410.0252	1094.90	. Q .V . . .
14.417	418.2438	1193.34	. Q .V . . .
14.500	427.5862	1356.53	. Q .V . . .
14.583	437.8633	1492.23	. Q .V . . .
14.667	448.7657	1583.02	. Q . V . . .
14.750	460.2062	1661.17	. Q . V . . .
14.833	472.1692	1737.02	. Q . V . . .
14.917	484.6229	1808.27	. Q . V . . .
15.000	497.5807	1881.49	. Q. V . . .
15.083	511.0368	1953.82	. Q. V . . .
15.167	525.0175	2029.99	. Q V . . .
15.250	539.5292	2107.09	. Q V . . .
15.333	554.6136	2190.26	. Q V . . .
15.417	570.1863	2261.16	. .Q V . . .
15.500	586.1271	2314.61	. .Q V . . .
15.583	602.3378	2353.79	. .Q V . . .
15.667	618.7654	2385.29	. .Q V . . .
15.750	635.1664	2381.42	. .Q V . . .
15.833	650.8051	2270.74	. .Q V . . .
15.917	666.4456	2271.00	. .Q V . . .
16.000	683.4635	2471.00	. . Q V . . .
16.083	704.0692	2991.95	. . Q V. . .
16.167	729.6202	3710.00	. . QV. . .
16.250	759.8992	4396.52	. . VQ . .
16.333	795.6564	5191.94	. . .V Q . .
16.417	839.2965	6336.55	. . . V .Q .
16.500	895.0574	8096.49	. . . V . Q.
16.583	942.1941	6844.24	. . . V . Q .
16.667	976.4747	4977.55	. . . Q V . .
16.750	1005.6393	4234.69	. . Q V . .
16.833	1033.0155	3975.03	. . Q. V . .
16.917	1058.5345	3705.36	. . Q . V . .
17.000	1082.5542	3487.65	. . Q . V. .
17.083	1104.8390	3235.76	. . Q . V .
17.167	1125.6932	3028.04	. . Q . V .
17.250	1144.9094	2790.18	. . Q . .V .
17.333	1162.7605	2591.97	. . Q . .V .
17.417	1179.2396	2392.77	. .Q . . V .
17.500	1193.8737	2124.86	. Q . . V .
17.583	1206.8674	1886.69	. Q. . . V .
17.667	1218.6790	1715.04	. Q . . . V .
17.750	1229.4158	1558.98	. Q . . . V .
17.833	1239.1486	1413.20	. Q . . . V .
17.917	1248.2129	1316.13	. Q . . . V .
18.000	1256.5792	1214.79	. Q . . . V .
18.083	1263.9249	1066.59	. Q . . . V .
18.167	1270.6771	980.42	. Q . . . V .
18.250	1277.0466	924.85	. Q . . . V .
18.333	1283.0781	875.77	. Q . . . V .
18.417	1288.7410	822.24	. Q . . . V .
18.500	1293.9634	758.30	. Q . . . V .
18.583	1298.8234	705.67	. Q . . . V .
18.667	1303.4199	667.42	. Q . . . V .
18.750	1307.7977	635.65	. Q . . . V .
18.833	1311.9866	608.22	. Q . . . V .
18.917	1316.0081	583.92	. Q . . . V .
19.000	1319.8757	561.58	. Q . . . V .
19.083	1323.6180	543.39	. Q . . . V .
19.167	1327.2483	527.11	. Q . . . V .
19.250	1330.7816	513.04	. Q . . . V .
19.333	1334.2278	500.38	. Q . . . V .
19.417	1337.5909	488.33	. Q . . . V .
19.500	1340.8755	476.91	. Q . . . V .
19.583	1344.0837	465.84	. Q . . . V .
19.667	1347.2164	454.86	. Q . . . V .
19.750	1350.2689	443.22	. Q . . . V .
19.833	1353.2319	430.23	. Q . . . V .
19.917	1356.0327	406.68	. Q . . . V .
20.000	1358.7169	389.75	.Q . . . V .

****
FLOW PROCESS FROM NODE 780.00 TO NODE 6311.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
==========

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 4741.3 Ac. ***

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 20.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 408.00
DOWNSTREAM ELEVATION(FT) = 382.00
CHANNEL LENGTH(FT) = 2533.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 8096.49
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5725.43
CHANNEL NORMAL VELOCITY FOR Q = 5725.43 CFS = 14.18 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.893

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.971

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	875.72	860.42	860.42
14.083	911.09	891.37	891.37
14.167	960.67	933.07	933.07
14.250	1021.19	987.40	987.40
14.333	1094.90	1053.75	1053.75
14.417	1193.34	1138.49	1138.49
14.500	1356.53	1265.99	1265.99

14.583	1492.23	1415.65	1415.65
14.667	1583.02	1531.32	1531.32
14.750	1661.17	1617.08	1617.08
14.833	1737.02	1694.40	1694.40
14.917	1808.27	1768.20	1768.20
15.000	1881.49	1840.42	1840.42
15.083	1953.82	1913.21	1913.21
15.167	2029.99	1987.30	1987.30
15.250	2107.09	2063.83	2063.83
15.333	2190.26	2143.68	2143.68
15.417	2261.16	2221.17	2221.17
15.500	2314.61	2284.32	2284.32
15.583	2353.79	2331.56	2331.56
15.667	2385.29	2367.48	2367.48
15.750	2381.42	2383.02	2383.02
15.833	2270.74	2331.12	2331.12
15.917	2271.00	2272.60	2272.60
16.000	2471.00	2362.02	2362.02
16.083	2991.95	2704.83	2704.83
16.167	3710.00	3310.30	3310.30
16.250	4396.52	4010.77	4010.77
16.333	5191.94	4747.22	4747.22
16.417	6336.55	5699.78	5699.78
16.500	8096.49	7118.75	7118.75
16.583	6844.24	7498.70	7498.70
16.667	4977.55	6013.99	6013.99
16.750	4234.69	4669.51	4669.51
16.833	3975.03	4129.11	4129.11
16.917	3705.36	3856.80	3856.80
17.000	3487.65	3610.70	3610.70
17.083	3235.76	3376.62	3376.62
17.167	3028.04	3145.33	3145.33
17.250	2790.18	2923.23	2923.23
17.333	2591.97	2703.85	2703.85
17.417	2392.77	2504.58	2504.58
17.500	2124.86	2274.13	2274.13
17.583	1886.69	2020.82	2020.82
17.667	1715.04	1812.48	1812.48
17.750	1558.98	1646.86	1646.86
17.833	1413.20	1495.20	1495.20
17.917	1316.13	1371.41	1371.41
18.000	1214.79	1271.63	1271.63
18.083	1066.59	1149.02	1149.02
18.167	980.42	1029.77	1029.77
18.250	924.85	956.56	956.56
18.333	875.77	903.44	903.44
18.417	822.24	852.22	852.22
18.500	758.30	794.02	794.02
18.583	705.67	735.39	735.39
18.667	667.42	689.13	689.13
18.750	635.65	653.60	653.60
18.833	608.22	623.69	623.69
18.917	583.92	597.61	597.61
19.000	561.58	574.15	574.15
19.083	543.39	553.67	553.67
19.167	527.11	536.28	536.28
19.250	513.04	520.97	520.97
19.333	500.38	507.51	507.51
19.417	488.33	495.10	495.10
19.500	476.91	483.33	483.33
19.583	465.84	472.06	472.06
19.667	454.86	461.02	461.02
19.750	443.22	449.74	449.74
19.833	430.23	437.50	437.50
19.917	406.68	419.73	419.73
20.000	389.75	399.36	399.36

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  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1463.656 AF
    OUTFLOW VOLUME =   1463.656 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6300.00 TO NODE   6311.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   299.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     299.300 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.250 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.260
         LOW LOSS FRACTION = 0.500
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.987
          30-MINUTE FACTOR = 0.987
           1-HOUR FACTOR = 0.987
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
```

1	3.852	139.411
2	18.445	528.231
3	39.624	766.604
4	55.845	587.160
5	64.124	299.680
6	70.038	214.036
7	74.639	166.538
8	78.230	130.017
9	81.158	105.957
10	83.587	87.936
11	85.638	74.235
12	87.267	58.971
13	88.619	48.932
14	89.699	39.084
15	90.702	36.306
16	91.629	33.565
17	92.506	31.749
18	93.325	29.632
19	94.080	27.335
20	94.768	24.914
21	95.424	23.727
22	95.971	19.796
23	96.509	19.477
24	97.020	18.507
25	97.406	13.985
26	97.766	13.021
27	98.126	13.018
28	98.458	12.019
29	98.594	4.931
30	98.692	3.557
31	98.791	3.557
32	98.889	3.550
33	98.987	3.557
34	99.085	3.551
35	99.183	3.557
36	99.281	3.550
37	99.380	3.550
38	99.478	3.550
39	99.576	3.550
40	99.674	3.550
41	99.772	3.550
42	99.870	3.550
43	99.968	3.550
44	100.000	1.157

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 63.4544

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 93.0370

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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 175.0 350.0 525.0 700.0
14.000	27.4201	56.90	. Q .V . . .
14.083	27.8199	58.05	. Q .V . . .
14.167	28.2289	59.39	. Q . V . . .
14.250	28.6481	60.87	. Q . V . . .
14.333	29.0776	62.37	. Q . V . . .
14.417	29.5173	63.84	. Q . V . . .
14.500	29.9675	65.37	. Q . V . . .
14.583	30.4288	66.98	. Q . V . . .
14.667	30.9020	68.71	. Q . V . . .
14.750	31.3886	70.66	. Q . V . . .
14.833	31.8924	73.15	. Q . V . . .
14.917	32.4182	76.34	. Q . V . . .
15.000	32.9709	80.25	. Q . V . . .
15.083	33.5548	84.78	. Q . V . . .
15.167	34.1747	90.01	. Q . V . . .
15.250	34.8354	95.94	. Q . V . . .
15.333	35.5434	102.79	. Q . V . . .
15.417	36.2964	109.35	. Q . V . . .
15.500	37.0791	113.65	. Q . V . . .
15.583	37.8873	117.35	. Q . V . . .
15.667	38.7483	125.02	. Q . V . . .
15.750	39.7040	138.77	. Q . V . . .
15.833	40.7991	159.00	. Q. V . . .
15.917	42.1036	189.42	. Q V . . .
16.000	43.7587	240.31	. . Q V . . .
16.083	46.2830	366.54	. . VQ . . .
16.167	50.2558	576.85	. . .V . Q .
16.250	54.8830	671.87	. . . V . Q .
16.333	58.6946	553.44	. . . V .Q .
16.417	61.3488	385.40	. . . Q V . .
16.500	63.5069	313.35	. . Q . V . .
16.583	65.3583	268.82	. . Q . V . .
16.667	66.9643	233.20	. . Q . V . .
16.750	68.3720	204.39	. .Q . V. .
16.833	69.6157	180.59	. Q . V. .
16.917	70.7246	161.01	. Q. . V .
17.000	71.7117	143.32	. Q . . V .
17.083	72.6072	130.03	. Q . . .V .
17.167	73.4245	118.67	. Q . . .V .
17.250	74.1925	111.51	. Q . . .V .
17.333	74.9179	105.32	. Q . . . V .
17.417	75.6078	100.18	. Q . . . V .
17.500	76.2639	95.26	. Q . . . V .
17.583	76.8878	90.59	. Q . . . V .
17.667	77.4810	86.13	. Q . . . V .
17.750	78.0483	82.38	. Q . . . V .
17.833	78.5843	77.82	. Q . . . V .
17.917	79.0999	74.86	. Q . . . V .
18.000	79.5932	71.63	. Q . . . V .
18.083	80.0531	66.78	. Q . . . V .
18.167	80.4845	62.65	. Q . . . V .
18.250	80.8860	58.29	. Q . . . V .
18.333	81.2565	53.80	. Q . . . V .
18.417	81.5859	47.83	. Q . . . V .
18.500	81.8953	44.92	. Q . . . V .
18.583	82.1922	43.12	. Q . . . V .
18.667	82.4790	41.63	. Q . . . V .
18.750	82.7565	40.30	. Q . . . V .
18.833	83.0257	39.09	. Q . . . V .
18.917	83.2874	38.00	. Q . . . V .
19.000	83.5424	37.02	. Q . . . V .
19.083	83.7913	36.13	. Q . . . V .
19.167	84.0343	35.29	. Q . . . V .
19.250	84.2718	34.47	.Q . . . V .
19.333	84.5035	33.65	.Q . . . V .
19.417	84.7296	32.82	.Q . . . V .
19.500	84.9493	31.91	.Q . . . V .
19.583	85.1619	30.86	.Q . . . V .
19.667	85.3607	28.87	.Q . . . V .
19.750	85.5505	27.55	.Q . . . V .
19.833	85.7356	26.88	.Q . . . V .
19.917	85.9168	26.31	.Q . . . V .
20.000	86.0944	25.78	.Q . . . V .

FLOW PROCESS FROM NODE 6311.00 TO NODE 6311.00 IS CODE = 7

>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5040.6 Ac. ***

FLOW PROCESS FROM NODE 6311.00 TO NODE 6311.00 IS CODE = 11

>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5040.6 Ac. ***

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1925.0 3850.0 5775.0 7700.0
14.000	406.7781	919.28	. Q V . . .
14.083	413.3387	952.59	. Q V . . .
14.167	420.2282	1000.36	. Q V . . .
14.250	427.5519	1063.39	. Q .V . . .
14.333	435.3869	1137.64	. Q .V . . .
14.417	443.8494	1228.76	. Q .V . . .
14.500	453.2410	1363.66	. Q .V . . .
14.583	463.7190	1521.40	. Q .V . . .
14.667	475.0388	1643.63	. Q . V . . .
14.750	486.9847	1734.55	. Q. V . . .
14.833	499.4959	1816.63	. Q. V . . .
14.917	512.5470	1895.01	. Q. V . . .
15.000	526.1264	1971.73	. Q V . . .
15.083	540.2385	2049.07	. Q V . . .
15.167	554.8931	2127.85	. .Q V . . .
15.250	570.1086	2209.29	. .Q V . . .
15.333	585.9102	2294.40	. .Q V . . .
15.417	602.2587	2373.81	. . Q V . . .
15.500	618.9868	2428.91	. . Q V . . .
15.583	635.9450	2462.34	. . Q V . . .

15.667	653.0961	2490.33	. . Q V . . .
15.750	670.3641	2507.31	. . Q V . . .
15.833	687.3168	2461.54	. . Q V . . .
15.917	703.9598	2416.55	. . Q V . . .
16.000	721.4357	2537.50	. . Q V . . .
16.083	741.9026	2971.80	. . Q V. . .
16.167	767.6212	3734.34	. . Q. . .
16.250	798.6147	4500.25	. . V Q . .
16.333	833.9616	5132.37	. . .V Q . .
16.417	874.8835	5941.85	. . . V Q .
16.500	925.1429	7297.67	. . . V . Q .
16.583	977.8814	7657.62	. . . V . Q.
16.667	1020.3975	6173.33	. . . V . Q .
16.750	1053.6354	4826.14	. . . Q V . .
16.833	1083.1179	4280.87	. . . Q V . .
16.917	1110.7048	4005.62	. . Q V . .
17.000	1136.5609	3754.31	. . Q. V. .
17.083	1160.7629	3514.13	. . Q . V. .
17.167	1183.3074	3273.44	. . Q . V .
17.250	1204.2601	3042.33	. . Q . .V .
17.333	1223.6487	2815.22	. . Q . .V .
17.417	1241.6259	2610.29	. . Q . .V .
17.500	1257.9701	2373.18	. . Q . . V .
17.583	1272.5198	2112.62	. . Q . . V .
17.667	1285.5945	1898.44	. . Q. . . V .
17.750	1297.5018	1728.96	. . Q . . . V .
17.833	1308.3369	1573.26	. . Q . . . V .
17.917	1318.3002	1446.67	. . Q . . . V .
18.000	1327.5559	1343.93	. . Q . . . V .
18.083	1335.9399	1217.36	. . Q . . . V .
18.167	1343.4760	1094.22	. . Q . . . V .
18.250	1350.4760	1016.41	. . Q . . . V .
18.333	1357.0786	958.70	. Q . . . . V .
18.417	1363.2899	901.88	. Q . . . . V .
18.500	1369.0786	840.52	. Q . . . . V .
18.583	1374.4480	779.64	. Q . . . . V .
18.667	1379.4858	731.49	. Q . . . . V .
18.750	1384.2666	694.16	. Q . . . . V .
18.833	1388.8303	662.66	. Q . . . . V .
18.917	1393.2046	635.14	. Q . . . . V .
19.000	1397.4086	610.41	. Q . . . . V .
19.083	1401.4640	588.85	. Q . . . . V .
19.167	1405.3932	570.52	. Q . . . . V .
19.250	1409.2109	554.33	. Q . . . . V .
19.333	1412.9302	540.03	. Q . . . . V .
19.417	1416.5587	526.86	. Q . . . . V .
19.500	1420.1006	514.28	. Q . . . . V .
19.583	1423.5586	502.10	. Q . . . . V .
19.667	1426.9293	489.42	. Q . . . . V .
19.750	1430.2148	477.06	. Q . . . . V .
19.833	1433.4124	464.27	. Q . . . . V .
19.917	1436.4847	446.10	. Q . . . . V .
20.000	1439.4141	425.33	. Q . . . . V .
20.083	1442.2500	411.78	. Q . . . . V .
20.167	1445.0288	403.49	. Q . . . . V .
20.250	1447.7559	395.97	. Q . . . . V .
20.333	1450.4308	388.39	. Q . . . . V .
20.417	1453.0549	381.03	.Q . . . . V .
20.500	1455.6311	374.05	.Q . . . . V .
20.583	1458.1615	367.41	.Q . . . . V .
20.667	1460.6483	361.09	.Q . . . . V .
20.750	1463.0935	355.04	.Q . . . . V .
20.833	1465.4987	349.24	.Q . . . . V .
20.917	1467.8666	343.83	.Q . . . . V .
21.000	1470.2009	338.94	.Q . . . . V .
21.083	1472.5038	334.38	.Q . . . . V .
21.167	1474.7765	330.00	.Q . . . . V .
21.250	1477.0203	325.79	.Q . . . . V .
21.333	1479.2361	321.74	.Q . . . . V .
21.417	1481.4250	317.84	.Q . . . . V .
21.500	1483.5880	314.07	.Q . . . . V .
21.583	1485.7260	310.42	.Q . . . . V .
21.667	1487.8395	306.89	.Q . . . . V .
21.750	1489.9294	303.46	.Q . . . . V .
21.833	1491.9963	300.12	.Q . . . . V .
21.917	1494.0411	296.91	.Q . . . . V .
22.000	1496.0649	293.86	.Q . . . . V .
22.083	1498.0685	290.91	.Q . . . . V .
22.167	1500.0522	288.05	.Q . . . . V .
22.250	1502.0168	285.26	.Q . . . . V .
22.333	1503.9626	282.54	.Q . . . . V .
22.417	1505.8903	279.89	.Q . . . . V .
22.500	1507.8000	277.30	.Q . . . . V .
22.583	1509.6925	274.78	.Q . . . . V .
22.667	1511.5680	272.31	.Q . . . . V .
22.750	1513.4269	269.91	.Q . . . . V .
22.833	1515.2695	267.56	.Q . . . . V.
22.917	1517.0964	265.26	.Q . . . . V.
23.000	1518.9078	263.01	.Q . . . . V.
23.083	1520.7041	260.82	.Q . . . . V.
23.167	1522.4856	258.67	.Q . . . . V.
23.250	1524.2526	256.56	.Q . . . . V.
23.333	1526.0054	254.51	.Q . . . . V.
23.417	1527.7443	252.49	.Q . . . . V.
23.500	1529.4696	250.52	.Q . . . . V.
23.583	1531.1816	248.59	.Q . . . . V.
23.667	1532.8806	246.69	.Q . . . . V.
23.750	1534.5668	244.84	.Q . . . . V.
23.833	1536.2405	243.02	.Q . . . . V.
23.917	1537.9019	241.23	.Q . . . . V.
24.000	1539.5511	239.48	.Q . . . . V.
24.083	1541.1772	236.12	.Q . . . . V.
24.167	1542.7491	228.23	.Q . . . . V.
24.250	1544.2366	215.98	.Q . . . . V.
24.333	1545.6229	201.30	.Q . . . . V.
24.417	1546.8810	182.66	Q . . . . V.
24.500	1547.9248	151.57	Q . . . . V.
24.583	1548.7126	114.40	Q . . . . V.
24.667	1549.3248	88.89	Q . . . . V.
24.750	1549.8330	73.79	Q . . . . V.
24.833	1550.2622	62.31	Q . . . . V.
24.917	1550.6272	52.99	Q . . . . V.
25.000	1550.9391	45.29	Q . . . . V.
25.083	1551.2054	38.67	Q . . . . V.
25.167	1551.4329	33.01	Q . . . . V.
25.250	1551.6267	28.15	Q . . . . V.
25.333	1551.7922	24.04	Q . . . . V.
25.417	1551.9326	20.38	Q . . . . V.
25.500	1552.0505	17.13	Q . . . . V.
25.583	1552.1495	14.37	Q . . . . V.
25.667	1552.2323	12.02	Q . . . . V.
25.750	1552.3014	10.03	Q . . . . V.
25.833	1552.3597	8.47	Q . . . . V.
25.917	1552.4089	7.14	Q . . . . V.
26.000	1552.4495	5.88	Q . . . . V.
26.083	1552.4839	5.00	Q . . . . V.
26.167	1552.5156	4.61	Q . . . . V.
26.250	1552.5455	4.34	Q . . . . V.
26.333	1552.5735	4.07	Q . . . . V.
26.417	1552.5999	3.83	Q . . . . V.
26.500	1552.6246	3.60	Q . . . . V.
26.583	1552.6478	3.37	Q . . . . V.
26.667	1552.6694	3.14	Q . . . . V.
26.750	1552.6896	2.92	Q . . . . V.

26.833	1552.7081	2.70	Q	.	.	.	V.
26.917	1552.7252	2.48	Q	.	.	.	V.
27.000	1552.7407	2.26	Q	.	.	.	V.
27.083	1552.7548	2.04	Q	.	.	.	V.
27.167	1552.7673	1.82	Q	.	.	.	V.
27.250	1552.7784	1.60	Q	.	.	.	V.
27.333	1552.7880	1.39	Q	.	.	.	V.
27.417	1552.7960	1.18	Q	.	.	.	V.
27.500	1552.8027	0.97	Q	.	.	.	V.
27.583	1552.8080	0.76	Q	.	.	.	V.
27.667	1552.8119	0.56	Q	.	.	.	V.
27.750	1552.8145	0.37	Q	.	.	.	V.
27.833	1552.8157	0.18	Q	.	.	.	V
27.917	1552.8159	0.04	Q	.	.	.	V
28.000	1552.8159	0.00	Q	.	.	.	V

****
FLOW PROCESS FROM NODE 6311.00 TO NODE 6330.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
==========

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5040.6 Ac. ***

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 30.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 382.00
DOWNSTREAM ELEVATION(FT) = 375.00
CHANNEL LENGTH(FT) = 1141.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 7657.62
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5535.08
CHANNEL NORMAL VELOCITY FOR Q = 5535.08 CFS = 11.37 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.870

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.995

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	919.28	911.25	911.25
14.083	952.59	942.75	942.75
14.167	1000.36	986.25	986.25
14.250	1063.39	1044.77	1044.77
14.333	1137.64	1115.70	1115.70
14.417	1228.76	1201.83	1201.83
14.500	1363.66	1323.82	1323.82
14.583	1521.40	1474.78	1474.78
14.667	1643.63	1607.43	1607.43
14.750	1734.55	1707.61	1707.61
14.833	1816.63	1792.34	1792.34
14.917	1895.01	1871.82	1871.82
15.000	1971.73	1949.04	1949.04
15.083	2049.07	2026.20	2026.20
15.167	2127.85	2104.55	2104.55
15.250	2209.29	2185.21	2185.21
15.333	2294.40	2269.23	2269.23
15.417	2373.81	2350.31	2350.31
15.500	2428.91	2412.58	2412.58
15.583	2462.34	2452.42	2452.42
15.667	2490.33	2482.04	2482.04
15.750	2507.31	2502.28	2502.28
15.833	2461.54	2474.99	2474.99
15.917	2416.55	2429.86	2429.86
16.000	2537.50	2501.96	2501.96
16.083	2971.80	2843.78	2843.78
16.167	3734.34	3509.26	3509.26
16.250	4500.25	4273.72	4273.72
16.333	5132.37	4945.22	4945.22
16.417	5941.85	5702.67	5702.67
16.500	7297.67	6897.42	6897.42
16.583	7657.62	7549.77	7549.77
16.667	6173.33	6609.76	6609.76
16.750	4826.14	5224.79	5224.79
16.833	4280.87	4443.27	4443.27
16.917	4005.62	4087.42	4087.42
17.000	3754.31	3828.68	3828.68
17.083	3514.13	3585.19	3585.19
17.167	3273.44	3344.63	3344.63
17.250	3042.33	3110.70	3110.70
17.333	2815.22	2882.40	2882.40
17.417	2610.29	2670.94	2670.94
17.500	2373.18	2443.27	2443.27
17.583	2112.62	2189.66	2189.66
17.667	1898.44	1961.86	1961.86
17.750	1728.96	1779.15	1779.15
17.833	1573.26	1619.33	1619.33
17.917	1446.67	1484.15	1484.15
18.000	1343.93	1374.35	1374.35
18.083	1217.36	1254.76	1254.76
18.167	1094.22	1130.65	1130.65
18.250	1016.41	1039.49	1039.49
18.333	958.70	975.80	975.80
18.417	901.88	918.69	918.69
18.500	840.52	858.66	858.66
18.583	779.64	797.65	797.65
18.667	731.49	745.75	745.75
18.750	694.16	705.22	705.22
18.833	662.66	671.99	671.99
18.917	635.14	643.28	643.28
19.000	610.41	617.73	617.73
19.083	588.85	595.23	595.23
19.167	570.52	575.95	575.95
19.250	554.33	559.12	559.12
19.333	540.03	544.26	544.26
19.417	526.86	530.75	530.75
19.500	514.28	518.00	518.00
19.583	502.10	505.70	505.70
19.667	489.42	493.17	493.17
19.750	477.06	480.72	480.72
19.833	464.27	468.05	468.05
19.917	446.10	451.47	451.47
20.000	425.33	431.47	431.47

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PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 1552.816 AF

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    OUTFLOW VOLUME =   1552.816 AF
    LOSS    VOLUME =      0.000 AF
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********************************************************************************
  FLOW PROCESS FROM NODE   6320.00 TO NODE   6330.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   300.7 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
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      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     300.700 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.290 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.240
         LOW LOSS FRACTION = 0.430
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.987
          30-MINUTE FACTOR = 0.987
           1-HOUR FACTOR = 0.987
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  28.736


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


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                      UNIT HYDROGRAPH DETERMINATION

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    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
        1                3.181               115.682
        2               14.148               398.807
        3               32.649               672.813
        4               49.391               608.859
        5               59.445               365.623
        6               65.754               229.414
        7               70.572               175.227
        8               74.508               143.109
        9               77.679               115.331
       10               80.307                95.584
       11               82.561                81.961
       12               84.486                69.998
       13               86.124                59.571
       14               87.475                49.137
       15               88.623                41.748
       16               89.558                33.981
       17               90.435                31.907
       18               91.248                29.581
       19               92.036                28.658
       20               92.761                26.336
       21               93.465                25.630
       22               94.104                23.223
       23               94.697                21.573
       24               95.280                21.195
       25               95.767                17.699
       26               96.231                16.876
       27               96.695                16.868
       28               97.112                15.192
       29               97.431                11.595
       30               97.741                11.275
       31               98.051                11.279
       32               98.361                11.271
       33               98.547                 6.740
       34               98.632                 3.085
       35               98.716                 3.070
       36               98.801                 3.077
       37               98.885                 3.077
       38               98.970                 3.077
       39               99.054                 3.077
       40               99.139                 3.077
       41               99.224                 3.085
       42               99.308                 3.070
       43               99.393                 3.070
       44               99.477                 3.070
       45               99.562                 3.070
       46               99.646                 3.070
       47               99.730                 3.070
       48               99.815                 3.070
       49               99.899                 3.070
       50               99.984                 3.070
       51              100.000                 0.594


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =      55.6322
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     101.5866
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```

2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 175.0 350.0 525.0 700.0
14.000	31.0565	64.20	. Q . V . . .
14.083	31.5075	65.49	. Q . V . . .
14.167	31.9685	66.94	. Q . V . . .
14.250	32.4408	68.57	. Q . V . . .
14.333	32.9246	70.25	. Q . V . . .
14.417	33.4200	71.93	. Q . V . . .
14.500	33.9272	73.65	. Q . V . . .
14.583	34.4469	75.46	. Q . V . . .
14.667	34.9798	77.39	. Q . V . . .
14.750	35.5269	79.44	. Q . V . . .
14.833	36.0890	81.62	. Q . V . . .
14.917	36.6681	84.08	. Q . V . . .
15.000	37.2674	87.01	. Q . V . . .
15.083	37.8921	90.71	. Q . V . . .
15.167	38.5479	95.22	. Q . V . . .
15.250	39.2407	100.60	. Q . V . . .
15.333	39.9765	106.84	. Q . V . . .
15.417	40.7552	113.06	. Q . V . . .
15.500	41.5667	117.83	. Q . V . . .
15.583	42.4047	121.68	. Q . V . . .
15.667	43.2870	128.10	. Q . V . . .
15.750	44.2512	140.01	. Q . V . . .
15.833	45.3389	157.93	. Q. V . . .
15.917	46.6148	185.26	. Q V . . .
16.000	48.1955	229.51	. Q V . . .
16.083	50.5217	337.76	. Q. . .
16.167	54.0127	506.90	. .V Q . .
16.250	58.3558	630.61	. . V . Q .
16.333	62.3015	572.92	. . V . Q .
16.417	65.2430	427.11	. . QV . .
16.500	67.5361	332.96	. Q. V . .
16.583	69.4949	284.42	. Q . V . .
16.667	71.2222	250.80	. Q . V . .
16.750	72.7453	221.16	. Q . V . .
16.833	74.1040	197.28	.Q . V. .
16.917	75.3342	178.63	Q . V. .
17.000	76.4555	162.81	Q. . V .
17.083	77.4821	149.07	Q . . V .
17.167	78.4221	136.48	Q . . V .
17.250	79.2915	126.24	Q . . .V .
17.333	80.0981	117.11	Q . . .V .
17.417	80.8653	111.40	Q . . .V .
17.500	81.5973	106.29	Q . . . V .
17.583	82.3009	102.15	Q . . . V .
17.667	82.9741	97.75	Q . . . V .
17.750	83.6230	94.22	Q . . . V .
17.833	84.2442	90.20	Q . . . V .
17.917	84.8410	86.66	Q . . . V .
18.000	85.4173	83.68	Q . . . V .
18.083	85.9636	79.33	Q . . . V .
18.167	86.4834	75.48	Q . . . V .
18.250	86.9736	71.17	Q . . . V .
18.333	87.4305	66.35	Q . . . V .
18.417	87.8550	61.64	Q . . . V .
18.500	88.2607	58.90	Q . . . V .
18.583	88.6496	56.47	Q . . . V .
18.667	89.0207	53.89	Q . . . V .
18.750	89.3620	49.55	Q . . . V .
18.833	89.6790	46.02	Q . . . V .
18.917	89.9850	44.44	Q . . . V .
19.000	90.2822	43.15	Q . . . V .
19.083	90.5714	41.99	Q . . . V .
19.167	90.8533	40.93	Q . . . V .
19.250	91.1285	39.96	Q . . . V .
19.333	91.3976	39.07	Q . . . V .
19.417	91.6609	38.24	Q . . . V .
19.500	91.9187	37.43	Q . . . V .
19.583	92.1713	36.68	Q . . . V .
19.667	92.4190	35.96	Q . . . V .
19.750	92.6618	35.25	Q . . . V .
19.833	92.8997	34.56	Q . . . V .
19.917	93.1329	33.85	Q . . . V .
20.000	93.3610	33.13	Q . . . V .

****
FLOW PROCESS FROM NODE 6330.00 TO NODE 6330.00 IS CODE = 7
>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5341.3 Ac. ***

****
FLOW PROCESS FROM NODE 6330.00 TO NODE 6330.00 IS CODE = 11
>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5341.3 Ac. ***

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1950.0 3900.0 5850.0 7800.0
14.000	436.1631	977.64	. Q V . . .
14.083	443.1287	1011.41	. Q V . . .
14.167	450.4287	1059.96	. Q V . . .
14.250	458.1863	1126.41	. Q .V . . .
14.333	466.4877	1205.36	. Q .V . . .
14.417	475.4289	1298.27	. Q .V . . .
14.500	485.2591	1427.34	. Q .V . . .
14.583	496.1832	1586.18	. Q . V . . .
14.667	508.0691	1725.83	. Q . V . . .
14.750	520.6832	1831.57	. Q. V . . .
14.833	533.9138	1921.08	. Q. V . . .
14.917	547.7231	2005.10	. Q V . . .
15.000	562.0945	2086.73	. Q V . . .
15.083	577.0278	2168.31	. .Q V . . .
15.167	592.5315	2251.14	. .Q V . . .
15.250	608.6227	2336.45	. .Q V . . .
15.333	625.3262	2425.33	. . Q V . . .
15.417	642.6027	2508.56	. . Q V . . .
15.500	660.2719	2565.57	. . Q V . . .
15.583	678.1307	2593.11	. . Q V . . .

15.667	696.1243	2612.66	. . Q V . . .
15.750	714.2440	2630.99	. . Q V . . .
15.833	732.2027	2607.60	. . Q V . . .
15.917	749.9245	2573.21	. . Q V . . .
16.000	768.3140	2670.15	. . Q V . . .
16.083	789.5765	3087.31	. . Q V. . .
16.167	816.2604	3874.50	. . Q. . .
16.250	848.8023	4725.08	. . V Q . .
16.333	885.5887	5341.38	. . .V Q . .
16.417	926.7455	5975.97	. . . V Q .
16.500	975.5790	7090.63	. . . V . Q .
16.583	1028.7042	7713.78	. . . V . Q.
16.667	1075.3481	6772.71	. . . V . Q .
16.750	1112.4542	5387.81	. . . VQ . .
16.833	1144.1587	4603.49	. . . Q V . .
16.917	1173.3995	4245.77	. . .Q V . .
17.000	1200.8412	3984.54	. . Q V. .
17.083	1226.5717	3736.07	. . Q. V. .
17.167	1250.5878	3487.13	. . Q . V .
17.250	1272.9236	3243.16	. . Q . V .
17.333	1293.6205	3005.19	. . Q . .V .
17.417	1312.8190	2787.62	. . Q . .V .
17.500	1330.4062	2553.68	. . Q . . V .
17.583	1346.2020	2293.55	. .Q . . V .
17.667	1360.3861	2059.53	. .Q . . V .
17.750	1373.2830	1872.62	. Q. . . V .
17.833	1385.0524	1708.92	. Q . . . V .
17.917	1395.8676	1570.36	. Q . . . V .
18.000	1405.9064	1457.63	. Q . . . V .
18.083	1415.0958	1334.30	. Q . . . V .
18.167	1423.4062	1206.67	. Q . . . V .
18.250	1431.0581	1111.04	. Q . . . V .
18.333	1438.2378	1042.49	. Q . . . V .
18.417	1444.9926	980.80	. Q . . . V .
18.500	1451.3136	917.81	. Q . . . V .
18.583	1457.1958	854.10	. Q . . . V .
18.667	1462.7015	799.43	. Q . . . V .
18.750	1467.8999	754.80	. Q . . . V .
18.833	1472.8462	718.21	. Q . . . V .
18.917	1477.5828	687.75	. Q . . . V .
19.000	1482.1332	660.73	. Q . . . V .
19.083	1486.5193	636.86	. Q . . . V .
19.167	1490.7637	616.29	. Q . . . V .
19.250	1494.8843	598.31	. Q . . . V .
19.333	1498.8954	582.41	. Q . . . V .
19.417	1502.8070	567.96	. Q . . . V .
19.500	1506.6246	554.32	. Q . . . V .
19.583	1510.3522	541.24	. Q . . . V .
19.667	1513.9885	528.00	. Q . . . V .
19.750	1517.5345	514.89	. Q . . . V .
19.833	1520.9893	501.63	. Q . . . V .
19.917	1524.3260	484.50	. Q . . . V .
20.000	1527.5215	463.98	. Q . . . V .
20.083	1530.6047	447.68	. Q . . . V .
20.167	1533.6147	437.06	. Q . . . V .
20.250	1536.5608	427.76	. Q . . . V .
20.333	1539.4491	419.38	. Q . . . V .
20.417	1542.2826	411.43	. Q . . . V .
20.500	1545.0641	403.87	. Q . . . V .
20.583	1547.7957	396.63	. Q . . . V .
20.667	1550.4796	389.72	.Q . . . V .
20.750	1553.1183	383.13	.Q . . . V .
20.833	1555.7135	376.83	.Q . . . V .
20.917	1558.2679	370.91	.Q . . . V .
21.000	1560.7852	365.49	.Q . . . V .
21.083	1563.2678	360.48	.Q . . . V .
21.167	1565.7175	355.70	.Q . . . V .
21.250	1568.1359	351.13	.Q . . . V .
21.333	1570.5239	346.74	.Q . . . V .
21.417	1572.8828	342.51	.Q . . . V .
21.500	1575.2136	338.43	.Q . . . V .
21.583	1577.5172	334.48	.Q . . . V .
21.667	1579.7944	330.66	.Q . . . V .
21.750	1582.0461	326.94	.Q . . . V .
21.833	1584.2729	323.33	.Q . . . V .
21.917	1586.4758	319.85	.Q . . . V .
22.000	1588.6558	316.52	.Q . . . V .
22.083	1590.8136	313.32	.Q . . . V .
22.167	1592.9501	310.21	.Q . . . V .
22.250	1595.0657	307.19	.Q . . . V .
22.333	1597.1611	304.26	.Q . . . V .
22.417	1599.2368	301.39	.Q . . . V .
22.500	1601.2933	298.60	.Q . . . V .
22.583	1603.3311	295.87	.Q . . . V .
22.667	1605.3505	293.21	.Q . . . V .
22.750	1607.3519	290.61	.Q . . . V .
22.833	1609.3359	288.07	.Q . . . V.
22.917	1611.3029	285.59	.Q . . . V.
23.000	1613.2531	283.17	.Q . . . V.
23.083	1615.1869	280.80	.Q . . . V.
23.167	1617.1047	278.48	.Q . . . V.
23.250	1619.0070	276.21	.Q . . . V.
23.333	1620.8939	273.99	.Q . . . V.
23.417	1622.7659	271.82	.Q . . . V.
23.500	1624.6232	269.69	.Q . . . V.
23.583	1626.4662	267.60	.Q . . . V.
23.667	1628.2950	265.56	.Q . . . V.
23.750	1630.1102	263.56	.Q . . . V.
23.833	1631.9119	261.59	.Q . . . V.
23.917	1633.7002	259.67	.Q . . . V.
24.000	1635.4756	257.78	.Q . . . V.
24.083	1637.2266	254.23	.Q . . . V.
24.167	1638.9188	245.72	.Q . . . V.
24.250	1640.5135	231.55	.Q . . . V.
24.333	1641.9922	214.69	.Q . . . V.
24.417	1643.3384	195.47	.Q . . . V.
24.500	1644.4883	166.96	Q . . . V.
24.583	1645.3887	130.74	Q . . . V.
24.667	1646.0848	101.09	Q . . . V.
24.750	1646.6519	82.33	Q . . . V.
24.833	1647.1292	69.30	Q . . . V.
24.917	1647.5349	58.92	Q . . . V.
25.000	1647.8820	50.40	Q . . . V.
25.083	1648.1792	43.16	Q . . . V.
25.167	1648.4338	36.97	Q . . . V.
25.250	1648.6519	31.66	Q . . . V.
25.333	1648.8389	27.15	Q . . . V.
25.417	1648.9987	23.19	Q . . . V.
25.500	1649.1342	19.67	Q . . . V.
25.583	1649.2487	16.62	Q . . . V.
25.667	1649.3452	14.02	Q . . . V.
25.750	1649.4265	11.80	Q . . . V.
25.833	1649.4954	9.99	Q . . . V.
25.917	1649.5538	8.49	Q . . . V.
26.000	1649.6028	7.10	Q . . . V.
26.083	1649.6443	6.02	Q . . . V.
26.167	1649.6815	5.40	Q . . . V.
26.250	1649.7161	5.01	Q . . . V.
26.333	1649.7482	4.66	Q . . . V.
26.417	1649.7782	4.36	Q . . . V.
26.500	1649.8063	4.07	Q . . . V.
26.583	1649.8324	3.79	Q . . . V.
26.667	1649.8566	3.51	Q . . . V.
26.750	1649.8789	3.25	Q . . . V.

26.833	1649.8997	3.01	Q	.	.	.	V.
26.917	1649.9187	2.77	Q	.	.	.	V.
27.000	1649.9362	2.53	Q	.	.	.	V.
27.083	1649.9520	2.30	Q	.	.	.	V.
27.167	1649.9663	2.07	Q	.	.	.	V.
27.250	1649.9790	1.83	Q	.	.	.	V.
27.333	1649.9901	1.60	Q	.	.	.	V.
27.417	1649.9996	1.38	Q	.	.	.	V.
27.500	1650.0076	1.15	Q	.	.	.	V.
27.583	1650.0139	0.93	Q	.	.	.	V.
27.667	1650.0188	0.71	Q	.	.	.	V.
27.750	1650.0222	0.50	Q	.	.	.	V.
27.833	1650.0240	0.27	Q	.	.	.	V
27.917	1650.0247	0.10	Q	.	.	.	V
28.000	1650.0249	0.03	Q	.	.	.	V
28.083	1650.0250	0.02	Q	.	.	.	V
28.167	1650.0250	0.00	Q	.	.	.	V

****
FLOW PROCESS FROM NODE 6330.00 TO NODE 6355.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
==========

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 5341.3 Ac. ***

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 30.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 375.00
DOWNSTREAM ELEVATION(FT) = 314.00
CHANNEL LENGTH(FT) = 6086.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 7713.78
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5428.70
CHANNEL NORMAL VELOCITY FOR Q = 5428.70 CFS = 13.47 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.888

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.838

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	977.64	935.96	935.96
14.083	1011.41	963.01	963.01
14.167	1059.96	994.01	994.01
14.250	1126.41	1035.53	1035.53
14.333	1205.36	1092.88	1092.88
14.417	1298.27	1164.79	1164.79
14.500	1427.34	1250.35	1250.35
14.583	1586.18	1362.14	1362.14
14.667	1725.83	1504.93	1504.93
14.750	1831.57	1650.52	1650.52
14.833	1921.08	1772.31	1772.31
14.917	2005.10	1871.65	1871.65
15.000	2086.73	1959.70	1959.70
15.083	2168.31	2043.05	2043.05
15.167	2251.14	2124.93	2124.93
15.250	2336.45	2207.25	2207.25
15.333	2425.33	2291.38	2291.38
15.417	2508.56	2378.48	2378.48
15.500	2565.57	2463.93	2463.93
15.583	2593.11	2532.97	2532.97
15.667	2612.66	2575.57	2575.57
15.750	2630.99	2601.12	2601.12
15.833	2607.60	2620.96	2620.96
15.917	2573.21	2616.38	2616.38
16.000	2670.15	2589.94	2589.94
16.083	3087.31	2629.72	2629.72
16.167	3874.50	2895.12	2895.12
16.250	4725.08	3493.06	3493.06
16.333	5341.38	4284.77	4284.77
16.417	5975.97	4995.79	4995.79
16.500	7090.63	5637.58	5637.58
16.583	7713.78	6539.78	6539.78
16.667	6772.71	7347.23	7347.23
16.750	5387.81	7132.10	7132.10
16.833	4603.49	6062.32	6062.32
16.917	4245.77	5061.79	5061.79
17.000	3984.54	4479.21	4479.21
17.083	3736.07	4138.61	4138.61
17.167	3487.13	3871.60	3871.60
17.250	3243.16	3619.87	3619.87
17.333	3005.19	3373.24	3373.24
17.417	2787.62	3132.16	3132.16
17.500	2553.68	2905.01	2905.01
17.583	2293.55	2676.80	2676.80
17.667	2059.53	2429.25	2429.25
17.750	1872.62	2185.66	2185.66
17.833	1708.92	1976.23	1976.23
17.917	1570.36	1798.56	1798.56
18.000	1457.63	1646.55	1646.55
18.083	1334.30	1520.14	1520.14
18.167	1206.67	1399.31	1399.31
18.250	1111.04	1274.00	1274.00
18.333	1042.49	1164.51	1164.51
18.417	980.80	1081.66	1081.66
18.500	917.81	1014.60	1014.60
18.583	854.10	951.32	951.32
18.667	799.43	887.88	887.88
18.750	754.80	829.23	829.23
18.833	718.21	779.49	779.49
18.917	687.75	738.49	738.49
19.000	660.73	704.59	704.59
19.083	636.86	675.48	675.48
19.167	616.29	649.87	649.87
19.250	598.31	627.55	627.55
19.333	582.41	608.13	608.13
19.417	567.96	591.08	591.08
19.500	554.32	575.80	575.80
19.583	541.24	561.66	561.66
19.667	528.00	548.25	548.25
19.750	514.89	535.03	535.03
19.833	501.63	521.86	521.86
19.917	484.50	508.66	508.66
20.000	463.98	493.26	493.26

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  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1650.024 AF
    OUTFLOW VOLUME =   1650.025 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6340.00 TO NODE   6355.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   697.9 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     697.900 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.340 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.210
         LOW LOSS FRACTION = 0.450
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.969
          30-MINUTE FACTOR = 0.969
           1-HOUR FACTOR = 0.969
           3-HOUR FACTOR = 0.995
           6-HOUR FACTOR = 0.998
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  24.510


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


================================================================================
                     UNIT HYDROGRAPH DETERMINATION

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     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
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1	1.545	130.419
2	7.337	488.804
3	20.261	1090.852
4	37.173	1427.448
5	57.561	1720.753
6	73.834	1373.504
7	84.155	871.070
8	90.157	506.624
9	93.846	311.340
10	95.934	176.209
11	96.823	75.053
12	97.453	53.201
13	98.047	50.140
14	98.563	43.554
15	98.877	26.445
16	99.042	13.975
17	99.137	8.025
18	99.206	5.797
19	99.261	4.649
20	99.315	4.546
21	99.365	4.228
22	99.414	4.161
23	99.461	3.902
24	99.505	3.743
25	99.548	3.674
26	99.587	3.272
27	99.625	3.204
28	99.663	3.169
29	99.695	2.719
30	99.726	2.582
31	99.756	2.583
32	99.787	2.570
33	99.813	2.195
34	99.830	1.492
35	99.848	1.489
36	99.866	1.488
37	99.883	1.487
38	99.899	1.328
39	99.905	0.518
40	99.910	0.406
41	99.915	0.406
42	99.919	0.404
43	99.924	0.406
44	99.929	0.406
45	99.934	0.405
46	99.939	0.408
47	99.944	0.405
48	99.948	0.408
49	99.953	0.404
50	99.958	0.405
51	99.963	0.405
52	99.968	0.405
53	99.972	0.405
54	99.977	0.404
55	99.982	0.405
56	99.987	0.405
57	99.992	0.405
58	99.996	0.405
59	100.000	0.311

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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     130.0823
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     234.5189
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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 400.0 800.0 1200.0 1600.0
14.000	71.1105	147.86	. Q . V . . .
14.083	72.1489	150.77	. Q . V . . .
14.167	73.2102	154.10	. Q . V . . .
14.250	74.2996	158.17	. Q . V . . .
14.333	75.4201	162.70	. Q . V . . .
14.417	76.5767	167.94	. Q . V . . .
14.500	77.7714	173.47	. Q . V . . .
14.583	79.0080	179.55	. Q . V . . .
14.667	80.2912	186.32	. Q . V . . .
14.750	81.6286	194.19	. Q . V . . .
14.833	83.0251	202.78	. Q . V . . .
14.917	84.4881	212.42	. Q . V . . .
15.000	86.0229	222.86	. Q . V . . .
15.083	87.6385	234.58	. Q . V . . .
15.167	89.3417	247.30	. Q . V . . .
15.250	91.1439	261.69	. Q . V . . .
15.333	93.0551	277.50	. Q . V . . .
15.417	95.0819	294.30	. Q . V . . .
15.500	97.2126	309.37	. Q . V . . .
15.583	99.4271	321.55	. Q . V . . .
15.667	101.7259	333.78	. Q . V . . .
15.750	104.1331	349.53	. Q . V . . .
15.833	106.7326	377.44	. Q. V . . .
15.917	109.6766	427.47	. Q V . . .
16.000	113.1778	508.38	. Q V. . .
16.083	117.8757	682.13	. Q V . .
16.167	124.5391	967.53	. .V Q . .
16.250	133.6750	1326.53	. . V . Q .
16.333	144.0990	1513.58	. . V . Q .
16.417	155.0234	1586.22	. . V . Q.
16.500	164.1875	1330.62	. . V . Q .
16.583	171.0479	996.13	. . Q V. .
16.667	176.1199	736.46	. Q . V .
16.750	180.0661	572.98	. Q . V .
16.833	183.1875	453.22	.Q . .V .
16.917	185.6866	362.87	Q. . .V .
17.000	187.8660	316.44	Q . . . V .
17.083	189.8290	285.04	Q . . . V .
17.167	191.5923	256.02	Q . . . V .
17.250	193.1485	225.96	Q . . . V .
17.333	194.5403	202.09	Q . . . V .
17.417	195.8141	184.96	Q . . . V .
17.500	197.0043	172.81	Q . . . V .
17.583	198.1304	163.52	Q . . . V .
17.667	199.2067	156.28	Q . . . V .
17.750	200.2403	150.07	Q . . . V .
17.833	201.2373	144.76	Q . . . V .
17.917	202.2013	139.98	Q . . . V .
18.000	203.1359	135.70	Q . . . V .
18.083	204.0411	131.44	Q . . . V .
18.167	204.9113	126.36	Q . . . V .
18.250	205.7377	119.99	Q . . . V .
18.333	206.5154	112.92	Q . . . V .
18.417	207.2391	105.07	Q . . . V .
18.500	207.9178	98.56	Q . . . V .
18.583	208.5632	93.70	Q . . . V .
18.667	209.1830	89.99	Q . . . V .
18.750	209.7808	86.80	Q . . . V .
18.833	210.3593	84.01	Q . . . V .
18.917	210.9235	81.92	Q . . . V .
19.000	211.4746	80.01	Q . . . V .
19.083	212.0129	78.17	Q . . . V .
19.167	212.5385	76.31	Q . . . V .
19.250	213.0506	74.35	Q . . . V .
19.333	213.5522	72.83	Q . . . V .
19.417	214.0444	71.47	Q . . . V .
19.500	214.5278	70.19	Q . . . V .
19.583	215.0028	68.97	Q . . . V .
19.667	215.4698	67.81	Q . . . V .
19.750	215.9291	66.70	Q . . . V .
19.833	216.3811	65.64	Q . . . V .
19.917	216.8261	64.62	Q . . . V .
20.000	217.2644	63.64	Q . . . V .

****
FLOW PROCESS FROM NODE 6355.00 TO NODE 6355.00 IS CODE = 7
>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6039.2 Ac. ***

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FLOW PROCESS FROM NODE 6355.00 TO NODE 6355.00 IS CODE = 11
>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6039.2 Ac. ***

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1950.0 3900.0 5850.0 7800.0
14.000	497.4364	1088.60	. Q V . . .
14.083	505.1494	1119.93	. Q V . . .
14.167	513.1381	1159.95	. Q V . . .
14.250	521.5336	1219.03	. Q .V . . .
14.333	530.4852	1299.77	. Q .V . . .
14.417	540.1303	1400.46	. Q .V . . .
14.500	550.5427	1511.88	. Q .V . . .
14.583	561.8763	1645.64	. Q .V . . .
14.667	574.3333	1808.75	. Q. V . . .
14.750	587.9247	1973.48	. Q V . . .
14.833	602.4632	2110.99	. Q V . . .
14.917	617.7724	2222.90	. .Q V . . .
15.000	633.7646	2322.07	. .Q V . . .
15.083	650.4062	2416.35	. . QV . . .
15.167	667.6856	2508.97	. . Q V . . .
15.250	685.6081	2602.35	. . QV . . .
15.333	704.1873	2697.69	. . Q V . . .
15.417	723.4247	2793.29	. . QV . . .
15.500	743.2448	2877.87	. . QV . . .
15.583	763.4275	2930.53	. . QV . . .

15.667	783.7325	2948.29	. . QV . . .
15.750	804.0083	2944.04	. . Q V . . .
15.833	824.3171	2948.84	. . Q V . . .
15.917	844.6627	2954.19	. . Q V . . .
16.000	865.0842	2965.20	. . Q V . . .
16.083	886.5428	3115.79	. . Q V . . .
16.167	911.1877	3578.45	. . QV. . . .
16.250	941.6856	4428.29	. . V Q . . .
16.333	978.4500	5338.18	. . V Q . . .
16.417	1020.3721	6087.09	. . .V .Q . .
16.500	1065.2610	6517.88	. . . V . Q .
16.583	1114.5055	7150.30	. . . V . Q .
16.667	1168.0330	7772.19	. . . V . Q.
16.750	1219.6559	7495.64	. . . V . Q .
16.833	1263.7520	6402.75	. . . V . Q .
16.917	1300.7917	5378.17	. . . Q . . .
17.000	1333.7954	4792.13	. . . Q V . .
17.083	1364.4658	4453.34	. . . Q V. . .
17.167	1393.2494	4179.38	. . .Q V. . .
17.250	1420.1484	3905.73	. . Q V . .
17.333	1445.1702	3633.16	. . Q . V . .
17.417	1468.3423	3364.59	. . Q . .V . .
17.500	1489.7966	3115.18	. . Q . .V . .
17.583	1509.5616	2869.89	. . Q . . V . .
17.667	1527.5219	2607.81	. . Q . . V . .
17.750	1543.7144	2351.15	. . Q . . V . .
17.833	1558.3977	2132.02	. . Q . . . V . .
17.917	1571.8145	1948.11	. . Q. . . . V . .
18.000	1584.1508	1791.24	. . Q. . . . V . .
18.083	1595.5828	1659.93	. . Q . . . . V . .
18.167	1606.1470	1533.93	. . Q . . . . V . .
18.250	1615.8042	1402.23	. . Q . . . . V . .
18.333	1624.6530	1284.85	. . Q . . . . V . .
18.417	1632.8679	1192.81	. . Q . . . . V . .
18.500	1640.5681	1118.06	. . Q . . . . V . .
18.583	1647.7925	1048.98	. . Q . . . . V . .
18.667	1654.5480	980.91	. . Q . . . . V . .
18.750	1660.8710	918.11	. . Q . . . . V . .
18.833	1666.8267	864.77	. . Q . . . . V . .
18.917	1672.4811	821.03	. . Q . . . . V . .
19.000	1677.8853	784.69	. . Q . . . . V . .
19.083	1683.0731	753.28	. . Q . . . . V . .
19.167	1688.0693	725.46	. . Q . . . . V . .
19.250	1692.8971	700.98	. . Q . . . . V .
19.333	1697.5796	679.89	. . Q . . . . V .
19.417	1702.1346	661.40	. . Q . . . . V .
19.500	1706.5754	644.81	. . Q . . . . V .
19.583	1710.9105	629.45	. . Q . . . . V .
19.667	1715.1454	614.90	. . Q . . . . V .
19.750	1719.2819	600.62	. . Q . . . . V .
19.833	1723.3209	586.48	. . Q . . . . V .
19.917	1727.2629	572.38	. Q . . . . V .
20.000	1731.0939	556.25	. Q . . . . V .
20.083	1734.7916	536.91	. Q . . . . V .
20.167	1738.3615	518.33	. Q . . . . V .
20.250	1741.8336	504.15	. Q . . . . V .
20.333	1745.2294	493.05	. Q . . . . V .
20.417	1748.5581	483.34	. Q . . . . V .
20.500	1751.8248	474.33	. Q . . . . V .
20.583	1755.0326	465.77	. Q . . . . V .
20.667	1758.1840	457.59	. Q . . . . V .
20.750	1761.2814	449.74	. Q . . . . V .
20.833	1764.3270	442.23	. Q . . . . V .
20.917	1767.3229	435.00	. Q . . . . V .
21.000	1770.2710	428.07	. Q . . . . V .
21.083	1773.1754	421.72	. Q . . . . V .
21.167	1776.0396	415.86	. Q . . . . V .
21.250	1778.8657	410.36	. Q . . . . V .
21.333	1781.6556	405.10	. Q . . . . V .
21.417	1784.4108	400.05	. Q . . . . V .
21.500	1787.1324	395.19	. Q . . . . V .
21.583	1789.8219	390.51	. Q . . . . V .
21.667	1792.4801	385.97	.Q . . . . V .
21.750	1795.1082	381.58	.Q . . . . V .
21.833	1797.7068	377.33	.Q . . . . V .
21.917	1800.2770	373.19	.Q . . . . V .
22.000	1802.8196	369.19	.Q . . . . V .
22.083	1805.3357	365.34	.Q . . . . V .
22.167	1807.8263	361.63	.Q . . . . V .
22.250	1810.2922	358.05	.Q . . . . V .
22.333	1812.7343	354.57	.Q . . . . V .
22.417	1815.1530	351.19	.Q . . . . V .
22.500	1817.5490	347.89	.Q . . . . V .
22.583	1819.9227	344.68	.Q . . . . V .
22.667	1822.2749	341.54	.Q . . . . V .
22.750	1824.6061	338.48	.Q . . . . V .
22.833	1826.9166	335.49	.Q . . . . V .
22.917	1829.2070	332.57	.Q . . . . V.
23.000	1831.4778	329.72	.Q . . . . V.
23.083	1833.7294	326.93	.Q . . . . V.
23.167	1835.9622	324.20	.Q . . . . V.
23.250	1838.1765	321.53	.Q . . . . V.
23.333	1840.3729	318.92	.Q . . . . V.
23.417	1842.5518	316.36	.Q . . . . V.
23.500	1844.7134	313.86	.Q . . . . V.
23.583	1846.8580	311.41	.Q . . . . V.
23.667	1848.9862	309.01	.Q . . . . V.
23.750	1851.0981	306.66	.Q . . . . V.
23.833	1853.1942	304.35	.Q . . . . V.
23.917	1855.2748	302.09	.Q . . . . V.
24.000	1857.3401	299.87	.Q . . . . V.
24.083	1859.3864	297.12	.Q . . . . V.
24.167	1861.3966	291.88	.Q . . . . V.
24.250	1863.3295	280.64	.Q . . . . V.
24.333	1865.1399	262.87	.Q . . . . V.
24.417	1866.7920	239.89	.Q . . . . V.
24.500	1868.2782	215.80	.Q . . . . V.
24.583	1869.5718	187.84	Q . . . . V.
24.667	1870.6295	153.59	Q . . . . V.
24.750	1871.4574	120.21	Q . . . . V.
24.833	1872.1135	95.27	Q . . . . V.
24.917	1872.6533	78.39	Q . . . . V.
25.000	1873.1077	65.97	Q . . . . V.
25.083	1873.4939	56.07	Q . . . . V.
25.167	1873.8235	47.86	Q . . . . V.
25.250	1874.1055	40.94	Q . . . . V.
25.333	1874.3469	35.06	Q . . . . V.
25.417	1874.5540	30.07	Q . . . . V.
25.500	1874.7313	25.75	Q . . . . V.
25.583	1874.8826	21.96	Q . . . . V.
25.667	1875.0109	18.62	Q . . . . V.
25.750	1875.1194	15.76	Q . . . . V.
25.833	1875.2109	13.30	Q . . . . V.
25.917	1875.2883	11.24	Q . . . . V.
26.000	1875.3541	9.55	Q . . . . V.
26.083	1875.4097	8.06	Q . . . . V.
26.167	1875.4565	6.81	Q . . . . V.
26.250	1875.4974	5.94	Q . . . . V.
26.333	1875.5345	5.39	Q . . . . V.
26.417	1875.5688	4.98	Q . . . . V.
26.500	1875.6008	4.64	Q . . . . V.
26.583	1875.6306	4.33	Q . . . . V.
26.667	1875.6583	4.03	Q . . . . V.
26.750	1875.6841	3.74	Q . . . . V.

26.833	1875.7079	3.46	Q	.	.	.	V.
26.917	1875.7300	3.20	Q	.	.	.	V.
27.000	1875.7504	2.95	Q	.	.	.	V.
27.083	1875.7690	2.71	Q	.	.	.	V.
27.167	1875.7860	2.47	Q	.	.	.	V.
27.250	1875.8014	2.23	Q	.	.	.	V.
27.333	1875.8152	2.00	Q	.	.	.	V.
27.417	1875.8274	1.77	Q	.	.	.	V.
27.500	1875.8380	1.53	Q	.	.	.	V.
27.583	1875.8470	1.30	Q	.	.	.	V.
27.667	1875.8545	1.08	Q	.	.	.	V.
27.750	1875.8604	0.85	Q	.	.	.	V.
27.833	1875.8647	0.64	Q	.	.	.	V.
27.917	1875.8673	0.37	Q	.	.	.	V.
28.000	1875.8685	0.17	Q	.	.	.	V.
28.083	1875.8691	0.09	Q	.	.	.	V
28.167	1875.8695	0.06	Q	.	.	.	V
28.250	1875.8698	0.03	Q	.	.	.	V
28.333	1875.8699	0.02	Q	.	.	.	V
28.417	1875.8700	0.01	Q	.	.	.	V
28.500	1875.8701	0.01	Q	.	.	.	V
28.583	1875.8701	0.01	Q	.	.	.	V
28.667	1875.8701	0.01	Q	.	.	.	V
28.750	1875.8701	0.00	Q	.	.	.	V
28.833	1875.8701	0.00	Q	.	.	.	V
28.917	1875.8701	0.00	Q	.	.	.	V
29.000	1875.8701	0.00	Q	.	.	.	V
29.083	1875.8701	0.00	Q	.	.	.	V
29.167	1875.8701	0.00	Q	.	.	.	V
29.250	1875.8701	0.00	Q	.	.	.	V
29.333	1875.8701	0.00	Q	.	.	.	V
29.417	1875.8701	0.00	Q	.	.	.	V
29.500	1875.8701	0.00	Q	.	.	.	V
29.583	1875.8701	0.00	Q	.	.	.	V
29.667	1875.8701	0.00	Q	.	.	.	V
29.750	1875.8701	0.00	Q	.	.	.	V
29.833	1875.8701	0.00	Q	.	.	.	V
29.917	1875.8701	0.00	Q	.	.	.	V
30.000	1875.8701	0.00	Q	.	.	.	V

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****
FLOW PROCESS FROM NODE 6355.00 TO NODE 6371.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6039.2 Ac. ***

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 30.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 314.00
DOWNSTREAM ELEVATION(FT) = 220.00
CHANNEL LENGTH(FT) = 5919.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 7772.19
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5684.70
CHANNEL NORMAL VELOCITY FOR Q = 5684.70 CFS = 16.07 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.904

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.888

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	1088.60	1054.32	1054.32
14.083	1119.93	1082.02	1082.02
14.167	1159.95	1112.63	1112.63
14.250	1219.03	1150.75	1150.75
14.333	1299.77	1205.62	1205.62
14.417	1400.46	1281.35	1281.35
14.500	1511.88	1377.30	1377.30
14.583	1645.64	1485.95	1485.95
14.667	1808.75	1614.71	1614.71
14.750	1973.48	1771.11	1771.11
14.833	2110.99	1934.75	1934.75
14.917	2222.90	2077.84	2077.84
15.000	2322.07	2195.74	2195.74
15.083	2416.35	2298.26	2298.26
15.167	2508.97	2393.93	2393.93
15.250	2602.35	2487.06	2487.06
15.333	2697.69	2580.33	2580.33
15.417	2793.29	2675.25	2675.25
15.500	2877.87	2770.75	2770.75
15.583	2930.53	2857.62	2857.62
15.667	2948.29	2917.23	2917.23
15.750	2944.04	2943.08	2943.08
15.833	2948.84	2944.35	2944.35
15.917	2954.19	2947.87	2947.87
16.000	2965.20	2952.96	2952.96
16.083	3115.79	2962.75	2962.75
16.167	3578.45	3083.96	3083.96
16.250	4428.29	3477.94	3477.94
16.333	5338.18	4238.96	4238.96
16.417	6087.09	5126.34	5126.34
16.500	6517.88	5906.48	5906.48
16.583	7150.30	6407.42	6407.42
16.667	7772.19	7005.43	7005.43
16.750	7495.64	7625.67	7625.67
16.833	6402.75	7537.23	7537.23
16.917	5378.17	6636.43	6636.43
17.000	4792.13	5619.00	5619.00
17.083	4453.34	4941.85	4941.85
17.167	4179.38	4541.07	4541.07
17.250	3905.73	4246.60	4246.60
17.333	3633.16	3970.59	3970.59
17.417	3364.59	3697.53	3697.53
17.500	3115.18	3428.07	3428.07
17.583	2869.89	3174.54	3174.54
17.667	2607.81	2927.92	2927.92
17.750	2351.15	2669.22	2669.22
17.833	2132.02	2411.80	2411.80
17.917	1948.11	2184.72	2184.72
18.000	1791.24	1992.54	1992.54
18.083	1659.93	1829.08	1829.08
18.167	1533.93	1691.67	1691.67
18.250	1402.23	1563.88	1563.88

18.333	1284.85	1433.18	1433.18
18.417	1192.81	1312.90	1312.90
18.500	1118.06	1215.23	1215.23
18.583	1048.98	1136.23	1136.23
18.667	980.91	1065.49	1065.49
18.750	918.11	997.02	997.02
18.833	864.77	933.07	933.07
18.917	821.03	877.62	877.62
19.000	784.69	831.63	831.63
19.083	753.28	793.49	793.49
19.167	725.46	760.85	760.85
19.250	700.98	732.14	732.14
19.333	679.89	706.86	706.86
19.417	661.40	684.97	684.97
19.500	644.81	665.84	665.84
19.583	629.45	648.78	648.78
19.667	614.90	633.12	633.12
19.750	600.62	618.36	618.36
19.833	586.48	604.00	604.00
19.917	572.38	589.82	589.82
20.000	556.25	575.71	575.71

PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 1875.869 AF
OUTFLOW VOLUME = 1875.869 AF
LOSS VOLUME = 0.000 AF

FLOW PROCESS FROM NODE 6360.00 TO NODE 6371.00 IS CODE = 1

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 922.3 Ac. ***
>>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

(UNIT-HYDROGRAPH ADDED TO STREAM #2)

WATERSHED AREA = 922.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.250 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED):
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.900
FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
VALLEY(UNDEVELOPED)/DESERT:
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) = 0.120
LOW LOSS FRACTION = 0.510
HYDROGRAPH MODEL #1 SPECIFIED

SPECIFIED PEAK 5-MINUTES RAINFALL(INCH)= 0.58
SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)= 1.22
SPECIFIED PEAK 1-HOUR RAINFALL(INCH) = 1.62
SPECIFIED PEAK 3-HOUR RAINFALL(INCH) = 2.71
SPECIFIED PEAK 6-HOUR RAINFALL(INCH) = 3.75
SPECIFIED PEAK 24-HOUR RAINFALL(INCH) = 6.28

*USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
5-MINUTE FACTOR = 0.959
30-MINUTE FACTOR = 0.959
1-HOUR FACTOR = 0.959
3-HOUR FACTOR = 0.994
6-HOUR FACTOR = 0.997
24-HOUR FACTOR = 0.998

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 33.333

RUNOFF HYDROGRAPH LISTING LIMITS:
MODEL TIME(HOURS) FOR BEGINNING OF RESULTS = 14.00
MODEL TIME(HOURS) FOR END OF RESULTS = 20.00

UNIT HYDROGRAPH DETERMINATION

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	2.292	255.704
2	13.821	1285.900
3	35.522	2420.567
4	62.164	2971.648
5	80.648	2061.668
6	89.997	1042.866
7	94.646	518.513
8	96.625	220.790
9	97.489	96.296
10	98.211	80.598
11	98.708	55.360
12	99.005	33.223
13	99.174	18.845
14	99.253	8.821
15	99.326	8.100
16	99.394	7.535
17	99.458	7.164
18	99.518	6.727
19	99.574	6.257
20	99.626	5.759
21	99.675	5.514
22	99.718	4.708
23	99.759	4.643
24	99.799	4.443
25	99.827	3.130
26	99.851	2.675
27	99.875	2.675
28	99.897	2.469
29	99.906	1.014
30	99.913	0.730
31	99.919	0.731
32	99.926	0.729
33	99.932	0.731
34	99.939	0.729
35	99.946	0.730
36	99.952	0.729
37	99.959	0.729
38	99.965	0.729
39	99.972	0.730
40	99.978	0.729
41	99.985	0.729
42	99.991	0.729
43	99.998	0.729
44	100.000	0.237

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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     154.5061
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     327.1010
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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 650.0 1300.0 1950.0 2600.0
14.000	92.0759	251.80	. Q .V . . .
14.083	93.8620	259.34	. Q .V . . .
14.167	95.7183	269.54	. Q .V . . .
14.250	97.6636	282.46	. Q .V . . .
14.333	99.7101	297.14	. Q . V . . .
14.417	101.8475	310.36	. Q . V . . .
14.500	104.0665	322.20	. Q . V . . .
14.583	106.3633	333.49	. Q . V . . .
14.667	108.7398	345.08	. Q . V . . .
14.750	111.1993	357.12	. Q . V . . .
14.833	113.7496	370.30	. Q . V . . .
14.917	116.3968	384.38	. Q . V . . .
15.000	119.1512	399.94	. Q . V . . .
15.083	122.0217	416.80	. Q . V . . .
15.167	125.0226	435.72	. Q . V . . .
15.250	128.1668	456.54	. Q . V . . .
15.333	131.4750	480.36	. Q . V . . .
15.417	134.9463	504.03	. Q . V . . .
15.500	138.5274	519.98	. Q . V . . .
15.583	142.1582	527.19	. Q . V . . .
15.667	145.8463	535.52	. Q . V . . .
15.750	149.7333	564.39	. Q . V . . .
15.833	154.0253	623.20	. Q. V . . .
15.917	158.9539	715.63	. .Q V. . .
16.000	164.9456	869.99	. . Q V . .
16.083	173.1975	1198.18	. . Q .V . .
16.167	185.8843	1842.12	. . . V Q . .
16.250	202.4754	2409.04	. . . V . Q .
16.333	219.9588	2538.58	. . . V . Q.
16.417	233.4155	1953.91	. . . V Q .
16.500	242.5146	1321.20	. . Q V. .
16.583	249.0268	945.57	. . Q . V .
16.667	254.0078	723.23	. .Q . .V .
16.750	258.1585	602.69	. Q. . .V .
16.833	261.8781	540.07	. Q . . . V .
16.917	265.2047	483.02	. Q . . . V .
17.000	268.1934	433.96	. Q . . . V .
17.083	270.9070	394.02	. Q . . . V .
17.167	273.3862	359.97	. Q . . . V .
17.250	275.6710	331.75	. Q . . . V .
17.333	277.7761	305.67	. Q . . . V .
17.417	279.7319	283.98	. Q . . . V .
17.500	281.5658	266.28	. Q . . . V .
17.583	283.2964	251.30	. Q . . . V .
17.667	284.9374	238.27	. Q . . . V .
17.750	286.4989	226.73	. Q . . . V .
17.833	287.9863	215.98	. Q . . . V .
17.917	289.4077	206.38	. Q . . . V .
18.000	290.7675	197.44	. Q . . . V .
18.083	292.0585	187.45	. Q . . . V .
18.167	293.2521	173.31	. Q . . . V .
18.250	294.3161	154.50	. Q . . . V .
18.333	295.2383	133.89	. Q . . . V .
18.417	296.0549	118.57	.Q . . . V .
18.500	296.8109	109.76	.Q . . . V .
18.583	297.5290	104.27	.Q . . . V .
18.667	298.2219	100.61	.Q . . . V .
18.750	298.8954	97.79	.Q . . . V .
18.833	299.5511	95.21	.Q . . . V .
18.917	300.1909	92.90	.Q . . . V .
19.000	300.8163	90.82	.Q . . . V .
19.083	301.4288	88.93	.Q . . . V .
19.167	302.0292	87.18	.Q . . . V .
19.250	302.6182	85.52	.Q . . . V .
19.333	303.1962	83.92	.Q . . . V .
19.417	303.7636	82.39	.Q . . . V .
19.500	304.3209	80.91	.Q . . . V .
19.583	304.8681	79.46	.Q . . . V .
19.667	305.4044	77.87	.Q . . . V .
19.750	305.9311	76.47	.Q . . . V .
19.833	306.4493	75.24	.Q . . . V .
19.917	306.9595	74.08	.Q . . . V .
20.000	307.4620	72.96	.Q . . . V .

****
FLOW PROCESS FROM NODE 6371.00 TO NODE 6371.00 IS CODE = 7
>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6961.5 Ac. ***

****
FLOW PROCESS FROM NODE 6371.00 TO NODE 6371.00 IS CODE = 11
>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6961.5 Ac. ***

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 2000.0 4000.0 6000.0 8000.0
14.000	581.1647	1315.27	. Q V . . .
14.083	590.4868	1353.55	. Q V . . .
14.167	600.2031	1410.82	. Q V . . .
14.250	610.4882	1493.40	. Q .V . . .
14.333	621.5263	1602.73	. Q .V . . .
14.417	633.3804	1721.21	. Q .V . . .
14.500	646.0998	1846.86	. Q.V . . .
14.583	659.7250	1978.38	. Q. V . . .
14.667	674.3729	2126.87	. Q V . . .
14.750	690.2389	2303.75	. .QV . . .
14.833	707.3878	2490.02	. . Q . . .
14.917	725.6682	2654.31	. . Q . . .
15.000	744.8865	2790.50	. . Q . . .
15.083	764.9208	2908.99	. . VQ . . .
15.167	785.7191	3019.91	. . VQ . . .
15.250	807.2625	3128.10	. . VQ . . .
15.333	829.5572	3237.18	. . VQ . . .
15.417	852.5674	3341.09	. . VQ . . .
15.500	876.0992	3416.82	. . V Q . . .
15.583	899.8770	3452.53	. . VQ . . .

15.667	923.6304	3449.00	. . VQ . . .
15.750	947.3521	3444.39	. . Q . . .
15.833	971.1559	3456.31	. . Q . . .
15.917	995.2927	3504.66	. . QV . . .
16.000	1020.1286	3606.17	. . Q . . .
16.083	1046.5994	3843.56	. . Q. . .
16.167	1077.0850	4426.50	. . V. Q . .
16.250	1112.9871	5212.99	. . V Q . .
16.333	1154.4578	6021.55	. . .V Q . .
16.417	1198.6753	6420.39	. . .V . Q . .
16.500	1244.8997	6711.78	. . . V . Q . .
16.583	1292.8148	6957.29	. . . V . Q . .
16.667	1343.9041	7418.16	. . . V . . Q .
16.750	1398.8912	7984.14	. . . V . . Q.
16.833	1453.4918	7928.00	. . . V . . Q.
16.917	1502.1854	7070.31	. . . V . Q .
17.000	1543.9683	6066.87	. . . V Q .
17.083	1581.0564	5385.19	. . . Q V . .
17.167	1615.2737	4968.35	. . . Q V. .
17.250	1647.2622	4644.74	. . . Q V .
17.333	1677.0668	4327.62	. . .Q V .
17.417	1704.7675	4022.15	. . Q .V .
17.500	1730.4656	3731.37	. . Q . .V .
17.583	1754.3065	3461.70	. . Q . . V .
17.667	1776.3566	3201.66	. . Q . . V .
17.750	1796.5292	2929.06	. . Q . . V .
17.833	1814.8185	2655.61	. . Q . . V .
17.917	1831.4424	2413.78	. . Q . . V .
18.000	1846.6630	2210.02	. .Q . . V .
18.083	1860.6805	2035.35	. Q . . V .
18.167	1873.6422	1882.03	. Q. . V .
18.250	1885.5823	1733.69	. Q . . V .
18.333	1896.4688	1580.72	. Q . . V .
18.417	1906.4084	1443.25	. Q . . V .
18.500	1915.6008	1334.74	. Q . . V .
18.583	1924.2004	1248.67	. Q . . V .
18.667	1932.2800	1173.16	. Q . . V .
18.750	1939.8612	1100.78	. Q . . V .
18.833	1946.9747	1032.89	. Q . . V .
18.917	1953.6809	973.73	. Q . . V .
19.000	1960.0479	924.48	. Q . . V .
19.083	1966.1326	883.49	. Q . . V .
19.167	1971.9751	848.34	. Q . . V .
19.250	1977.6040	817.32	. Q . . V .
19.333	1983.0446	789.96	. Q . . V .
19.417	1988.3217	766.23	. Q . . V .
19.500	1993.4556	745.45	. Q . . V .
19.583	1998.4615	726.87	. Q . . V .
19.667	2003.3491	709.67	. Q . . V .
19.750	2008.1259	693.58	. Q . . V .
19.833	2012.7959	678.09	. Q . . V .
19.917	2017.3612	662.88	. Q . . V .
20.000	2021.8228	647.81	. Q . . V .
20.083	2026.1711	631.38	. Q . . V .
20.167	2030.3875	612.21	. Q . . V .
20.250	2034.4707	592.89	. Q . . V .
20.333	2038.4440	576.91	. Q . . V .
20.417	2042.3297	564.20	. Q . . V .
20.500	2046.1401	553.27	. Q . . V .
20.583	2049.8813	543.23	. Q . . V .
20.667	2053.5571	533.72	. Q . . V .
20.750	2057.1702	524.61	. Q . . V .
20.833	2060.7229	515.86	. Q . . V .
20.917	2064.2178	507.47	. Q . . V .
21.000	2067.6570	499.38	. Q . . V .
21.083	2071.0427	491.61	. Q . . V .
21.167	2074.3789	484.40	. Q . . V .
21.250	2077.6689	477.73	. Q . . V .
21.333	2080.9160	471.47	. Q . . V .
21.417	2084.1221	465.52	. Q . . V .
21.500	2087.2888	459.81	. Q . . V .
21.583	2090.4177	454.31	. Q . . V .
21.667	2093.5100	449.01	. Q . . V .
21.750	2096.5671	443.88	. Q . . V .
21.833	2099.5901	438.92	. Q . . V .
21.917	2102.5798	434.10	. Q . . V .
22.000	2105.5374	429.42	. Q . . V .
22.083	2108.4636	424.88	. Q . . V .
22.167	2111.3596	420.50	. Q . . V .
22.250	2114.2266	416.28	. Q . . V .
22.333	2117.0654	412.21	. Q . . V .
22.417	2119.8770	408.25	. Q . . V .
22.500	2122.6621	404.40	. Q . . V .
22.583	2125.4214	400.64	. Q . . V .
22.667	2128.1555	396.98	.Q . . V .
22.750	2130.8650	393.41	.Q . . V .
22.833	2133.5503	389.92	.Q . . V .
22.917	2136.2122	386.51	.Q . . V .
23.000	2138.8511	383.18	.Q . . V.
23.083	2141.4675	379.92	.Q . . V.
23.167	2144.0623	376.74	.Q . . V.
23.250	2146.6355	373.63	.Q . . V.
23.333	2149.1877	370.59	.Q . . V.
23.417	2151.7195	367.61	.Q . . V.
23.500	2154.2312	364.69	.Q . . V.
23.583	2156.7231	361.83	.Q . . V.
23.667	2159.1958	359.04	.Q . . V.
23.750	2161.6497	356.29	.Q . . V.
23.833	2164.0850	353.61	.Q . . V.
23.917	2166.5022	350.97	.Q . . V.
24.000	2168.9016	348.39	.Q . . V.
24.083	2171.2766	344.84	.Q . . V.
24.167	2173.5962	336.79	.Q . . V.
24.250	2175.8154	322.24	.Q . . V.
24.333	2177.8848	300.47	.Q . . V.
24.417	2179.7864	276.11	.Q . . V.
24.500	2181.5107	250.37	.Q . . V.
24.583	2183.0583	224.71	.Q . . V.
24.667	2184.4150	197.00	Q . . V.
24.750	2185.5454	164.12	Q . . V.
24.833	2186.4431	130.36	Q . . V.
24.917	2187.1531	103.09	Q . . V.
25.000	2187.7305	83.85	Q . . V.
25.083	2188.2126	70.01	Q . . V.
25.167	2188.6211	59.29	Q . . V.
25.250	2188.9692	50.54	Q . . V.
25.333	2189.2668	43.21	Q . . V.
25.417	2189.5217	37.00	Q . . V.
25.500	2189.7402	31.72	Q . . V.
25.583	2189.9275	27.19	Q . . V.
25.667	2190.0874	23.21	Q . . V.
25.750	2190.2231	19.73	Q . . V.
25.833	2190.3381	16.71	Q . . V.
25.917	2190.4353	14.11	Q . . V.
26.000	2190.5173	11.93	Q . . V.
26.083	2190.5869	10.11	Q . . V.
26.167	2190.6458	8.55	Q . . V.
26.250	2190.6956	7.22	Q . . V.
26.333	2190.7385	6.24	Q . . V.
26.417	2190.7771	5.60	Q . . V.
26.500	2190.8125	5.14	Q . . V.
26.583	2190.8455	4.78	Q . . V.
26.667	2190.8762	4.45	Q . . V.
26.750	2190.9048	4.14	Q . . V.

26.833	2190.9312	3.85	Q	.	.	.	V.
26.917	2190.9556	3.56	Q	.	.	.	V.
27.000	2190.9783	3.30	Q	.	.	.	V.
27.083	2190.9993	3.04	Q	.	.	.	V.
27.167	2191.0186	2.79	Q	.	.	.	V.
27.250	2191.0361	2.55	Q	.	.	.	V.
27.333	2191.0520	2.31	Q	.	.	.	V.
27.417	2191.0662	2.07	Q	.	.	.	V.
27.500	2191.0789	1.83	Q	.	.	.	V.
27.583	2191.0898	1.60	Q	.	.	.	V.
27.667	2191.0994	1.37	Q	.	.	.	V.
27.750	2191.1072	1.14	Q	.	.	.	V.
27.833	2191.1135	0.92	Q	.	.	.	V.
27.917	2191.1184	0.70	Q	.	.	.	V.
28.000	2191.1218	0.48	Q	.	.	.	V.
28.083	2191.1238	0.28	Q	.	.	.	V.
28.167	2191.1248	0.14	Q	.	.	.	V
28.250	2191.1252	0.07	Q	.	.	.	V
28.333	2191.1255	0.03	Q	.	.	.	V
28.417	2191.1257	0.02	Q	.	.	.	V
28.500	2191.1257	0.01	Q	.	.	.	V
28.583	2191.1257	0.01	Q	.	.	.	V
28.667	2191.1257	0.01	Q	.	.	.	V
28.750	2191.1257	0.01	Q	.	.	.	V
28.833	2191.1257	0.00	Q	.	.	.	V
28.917	2191.1257	0.00	Q	.	.	.	V
29.000	2191.1257	0.00	Q	.	.	.	V
29.083	2191.1257	0.00	Q	.	.	.	V
29.167	2191.1257	0.00	Q	.	.	.	V
29.250	2191.1257	0.00	Q	.	.	.	V
29.333	2191.1257	0.00	Q	.	.	.	V
29.417	2191.1257	0.00	Q	.	.	.	V
29.500	2191.1257	0.00	Q	.	.	.	V
29.583	2191.1257	0.00	Q	.	.	.	V
29.667	2191.1257	0.00	Q	.	.	.	V
29.750	2191.1257	0.00	Q	.	.	.	V
29.833	2191.1257	0.00	Q	.	.	.	V
29.917	2191.1257	0.00	Q	.	.	.	V
30.000	2191.1257	0.00	Q	.	.	.	V

****

FLOW PROCESS FROM NODE 6371.00 TO NODE 6395.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<

==========

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 6961.5 Ac. ***

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 35.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 220.00
DOWNSTREAM ELEVATION(FT) = 213.00
CHANNEL LENGTH(FT) = 959.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 7984.14
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5972.88
CHANNEL NORMAL VELOCITY FOR Q = 5972.88 CFS = 12.17 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.877

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.999

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	1315.27	1307.70	1307.70
14.083	1353.55	1344.69	1344.69
14.167	1410.82	1397.55	1397.55
14.250	1493.40	1474.27	1474.27
14.333	1602.73	1577.40	1577.40
14.417	1721.21	1693.76	1693.76
14.500	1846.86	1817.75	1817.75
14.583	1978.38	1947.91	1947.91
14.667	2126.87	2092.47	2092.47
14.750	2303.75	2262.77	2262.77
14.833	2490.02	2446.87	2446.87
14.917	2654.31	2616.24	2616.24
15.000	2790.50	2758.94	2758.94
15.083	2908.99	2881.53	2881.53
15.167	3019.91	2994.21	2994.21
15.250	3128.10	3103.03	3103.03
15.333	3237.18	3211.91	3211.91
15.417	3341.09	3317.01	3317.01
15.500	3416.82	3399.26	3399.26
15.583	3452.53	3444.24	3444.24
15.667	3449.00	3449.81	3449.81
15.750	3444.39	3445.46	3445.46
15.833	3456.31	3453.55	3453.55
15.917	3504.66	3493.47	3493.47
16.000	3606.17	3582.66	3582.66
16.083	3843.56	3788.60	3788.60
16.167	4426.50	4291.53	4291.53
16.250	5212.99	5030.83	5030.83
16.333	6021.55	5834.22	5834.22
16.417	6420.39	6327.88	6327.88
16.500	6711.78	6644.24	6644.24
16.583	6957.29	6900.40	6900.40
16.667	7418.16	7311.44	7311.44
16.750	7984.14	7853.04	7853.04
16.833	7928.00	7940.84	7940.84
16.917	7070.31	7268.81	7268.81
17.000	6066.87	6299.31	6299.31
17.083	5385.19	5543.21	5543.21
17.167	4968.35	5064.99	5064.99
17.250	4644.74	4719.74	4719.74
17.333	4327.62	4401.09	4401.09
17.417	4022.15	4092.92	4092.92
17.500	3731.37	3798.74	3798.74
17.583	3461.70	3524.19	3524.19
17.667	3201.66	3261.91	3261.91
17.750	2929.06	2992.22	2992.22
17.833	2655.61	2718.97	2718.97
17.917	2413.78	2469.82	2469.82
18.000	2210.02	2257.24	2257.24
18.083	2035.35	2075.83	2075.83
18.167	1882.03	1917.56	1917.56
18.250	1733.69	1768.06	1768.06

```
          18.333      1580.72     1616.16     1616.16
          18.417      1443.25     1475.10     1475.10
          18.500      1334.74     1359.88     1359.88
          18.583      1248.67     1268.61     1268.61
          18.667      1173.16     1190.66     1190.66
          18.750      1100.78     1117.55     1117.55
          18.833      1032.89     1048.62     1048.62
          18.917       973.73      987.44      987.44
          19.000       924.48      935.89      935.89
          19.083       883.49      892.99      892.99
          19.167       848.34      856.49      856.49
          19.250       817.32      824.51      824.51
          19.333       789.96      796.30      796.30
          19.417       766.23      771.73      771.73
          19.500       745.45      750.26      750.26
          19.583       726.87      731.18      731.18
          19.667       709.67      713.66      713.66
          19.750       693.58      697.31      697.31
          19.833       678.09      681.68      681.68
          19.917       662.88      666.40      666.40
          20.000       647.81      651.30      651.30
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   2191.124 AF
    OUTFLOW VOLUME =   2191.125 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6380.00 TO NODE   6395.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   329.6 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     329.600 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.330 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.150
        LOW LOSS FRACTION = 0.500
        *HYDROGRAPH MODEL #1 SPECIFIED*

        SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
        SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
        SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
        SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
        SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
        SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

        *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
          5-MINUTE FACTOR = 0.985
         30-MINUTE FACTOR = 0.985
          1-HOUR FACTOR = 0.985
          3-HOUR FACTOR = 0.998
          6-HOUR FACTOR = 0.999
         24-HOUR FACTOR = 0.999

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  25.253


        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
        MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
          1               1.602               63.859
          2               7.797              246.932
          3              21.404              542.405
          4              39.370              716.138
          5              60.064              824.885
          6              75.891              630.876
          7              85.613              387.515
          8              91.167              221.417
          9              94.489              132.407
         10              96.293               71.884
         11              97.026               29.243
         12              97.665               25.478
         13              98.270               24.118
         14              98.850               23.087
         15              98.984                5.349
         16              99.089                4.176
         17              99.176                3.468
         18              99.236                2.391
         19              99.292                2.234
         20              99.345                2.124
         21              99.396                2.026
         22              99.445                1.965
         23              99.491                1.826
         24              99.536                1.815
         25              99.577                1.639
         26              99.617                1.559
         27              99.656                1.556
         28              99.690                1.365
         29              99.721                1.257
         30              99.753                1.257
         31              99.784                1.254
         32              99.812                1.082
         33              99.830                0.737
         34              99.848                0.724
         35              99.866                0.724
         36              99.885                0.724
         37              99.900                0.614
         38              99.906                0.230
         39              99.911                0.198
         40              99.916                0.197
         41              99.921                0.199
         42              99.926                0.197
         43              99.930                0.197
         44              99.935                0.198
         45              99.940                0.198
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46	99.945	0.197
47	99.950	0.199
48	99.955	0.197
49	99.960	0.197
50	99.965	0.196
51	99.970	0.197
52	99.975	0.197
53	99.980	0.197
54	99.985	0.196
55	99.990	0.197
56	99.995	0.197
57	100.000	0.197
58	100.000	0.013

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 59.4543

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 112.8638

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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 200.0 400.0 600.0 800.0
14.000	31.3450	77.30	. Q .V . . .
14.083	31.8943	79.76	. Q .V . . .
14.167	32.4621	82.45	. Q .V . . .
14.250	33.0512	85.54	. Q .V . . .
14.333	33.6634	88.89	. Q .V . . .
14.417	34.3007	92.53	. Q . V . . .
14.500	34.9632	96.20	. Q . V . . .
14.583	35.6517	99.96	. Q . V . . .
14.667	36.3666	103.81	. Q . V . . .
14.750	37.1099	107.93	. Q . V . . .
14.833	37.8831	112.27	. Q . V . . .
14.917	38.6890	117.01	. Q . V . . .
15.000	39.5300	122.11	. Q . V . . .
15.083	40.4100	127.78	. Q . V . . .
15.167	41.3325	133.95	. Q . V . . .
15.250	42.3028	140.89	. Q . V . . .
15.333	43.3260	148.56	. Q . V . . .
15.417	44.4057	156.77	. Q . V . . .
15.500	45.5378	164.38	. Q . V . . .
15.583	46.7154	170.99	. Q . V . . .
15.667	47.9404	177.87	. Q . V . . .
15.750	49.2283	187.00	. Q. V . . .
15.833	50.6208	202.19	. Q V . . .
15.917	52.1899	227.84	. .Q V . . .
16.000	54.0403	268.68	. . Q V. . .
16.083	56.4886	355.50	. . Q V . .
16.167	59.9356	500.50	. . .V Q . .
16.250	64.6034	677.76	. . . V . Q .
16.333	69.9046	769.73	. . . V . . Q .
16.417	75.3201	786.33	. . . V . . Q.
16.500	79.7728	646.54	. . . V . Q .
16.583	83.0865	481.15	. . . Q V. .
16.667	85.5544	358.33	. . Q . V .
16.750	87.4884	280.83	. . Q . .V .
16.833	89.0372	224.88	. .Q . .V .
16.917	90.3057	184.19	. Q. . . V .
17.000	91.4430	165.13	. Q . . . V .
17.083	92.4766	150.08	. Q . . . V .
17.167	93.4151	136.28	. Q . . . . V .
17.250	94.2231	117.32	. Q . . . . V .
17.333	94.9609	107.13	. Q . . . . V .
17.417	95.6407	98.70	. Q . . . . V .
17.500	96.2702	91.40	. Q . . . . V .
17.583	96.8581	85.36	. Q . . . . V .
17.667	97.4099	80.13	. Q . . . . V .
17.750	97.9299	75.50	. Q . . . . V .
17.833	98.4213	71.35	. Q . . . . V .
17.917	98.8866	67.57	. Q . . . . V .
18.000	99.3284	64.15	. Q . . . . V .
18.083	99.7471	60.80	. Q . . . . V .
18.167	100.1419	57.33	. Q . . . . V .
18.250	100.5105	53.51	. Q . . . . V .
18.333	100.8517	49.55	. Q . . . . V .
18.417	101.1666	45.72	. Q . . . . V .
18.500	101.4608	42.72	. Q . . . . V .
18.583	101.7398	40.51	. Q . . . . V .
18.667	102.0068	38.78	. Q . . . . V .
18.750	102.2638	37.31	. Q . . . . V .
18.833	102.5133	36.23	. Q . . . . V .
18.917	102.7565	35.31	. Q . . . . V .
19.000	102.9937	34.45	. Q . . . . V .
19.083	103.2249	33.56	. Q . . . . V .
19.167	103.4496	32.63	. Q . . . . V .
19.250	103.6696	31.94	. Q . . . . V .
19.333	103.8853	31.32	. Q . . . . V .
19.417	104.0970	30.74	. Q . . . . V .
19.500	104.3048	30.18	. Q . . . . V .
19.583	104.5090	29.65	. Q . . . . V .
19.667	104.7098	29.15	. Q . . . . V .
19.750	104.9072	28.67	. Q . . . . V .
19.833	105.1015	28.20	. Q . . . . V .
19.917	105.2927	27.76	. Q . . . . V .
20.000	105.4809	27.34	. Q . . . . V .

****
FLOW PROCESS FROM NODE 6395.00 TO NODE 6395.00 IS CODE = 7
>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 7291.1 Ac. ***

****
FLOW PROCESS FROM NODE 6395.00 TO NODE 6395.00 IS CODE = 11
>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 7291.1 Ac. ***

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 2025.0 4050.0 6075.0 8100.0
0.083	0.0072	1.04	Q . . . .
0.167	0.0525	6.58	Q . . . .
0.250	0.1863	19.43	Q . . . .
0.333	0.4632	40.20	Q . . . .
0.417	0.9128	65.28	Q . . . .
0.500	1.5430	91.50	Q . . . .
0.583	2.3507	117.28	Q . . . .
0.667	3.3437	144.19	Q . . . .
0.750	4.5521	175.46	Q . . . .
0.833	5.9897	208.73	VQ . . . .
0.917	7.6251	237.46	VQ . . . .
1.000	9.4075	258.80	VQ . . . .
1.083	11.2967	274.31	VQ . . . .
1.167	13.2685	286.30	VQ . . . .
1.250	15.3077	296.10	VQ . . . .
1.333	17.4043	304.43	VQ . . . .
1.417	19.5507	311.65	VQ . . . .
1.500	21.7405	317.96	VQ . . . .
1.583	23.9687	323.54	VQ . . . .
1.667	26.2317	328.58	VQ . . . .

1.750	28.5262	333.16	VQ	.	.	.	.
1.833	30.8493	337.32	VQ	.	.	.	.
1.917	33.1984	341.08	VQ	.	.	.	.
2.000	35.5707	344.47	VQ	.	.	.	.
2.083	37.9640	347.50	VQ	.	.	.	.
2.167	40.3765	350.29	VQ	.	.	.	.
2.250	42.8067	352.87	VQ	.	.	.	.
2.333	45.2526	355.15	VQ	.	.	.	.
2.417	47.7121	357.11	VQ	.	.	.	.
2.500	50.1836	358.87	VQ	.	.	.	.
2.583	52.6666	360.53	VQ	.	.	.	.
2.667	55.1608	362.16	VQ	.	.	.	.
2.750	57.6662	363.77	.Q	.	.	.	.
2.833	60.1827	365.39	.Q	.	.	.	.
2.917	62.7103	367.02	.Q	.	.	.	.
3.000	65.2492	368.64	.Q	.	.	.	.
3.083	67.7992	370.27	.Q	.	.	.	.
3.167	70.3605	371.90	.Q	.	.	.	.
3.250	72.9332	373.55	.Q	.	.	.	.
3.333	75.5172	375.21	.Q	.	.	.	.
3.417	78.1128	376.88	.Q	.	.	.	.
3.500	80.7200	378.56	.Q	.	.	.	.
3.583	83.3389	380.27	.Q	.	.	.	.
3.667	85.9696	381.98	.Q	.	.	.	.
3.750	88.6123	383.72	.Q	.	.	.	.
3.833	91.2670	385.46	.Q	.	.	.	.
3.917	93.9338	387.22	.Q	.	.	.	.
4.000	96.6128	388.99	.Q	.	.	.	.
4.083	99.3040	390.77	.Q	.	.	.	.
4.167	102.0073	392.52	.Q	.	.	.	.
4.250	104.7224	394.23	.Q	.	.	.	.
4.333	107.4490	395.91	.Q	.	.	.	.
4.417	110.1872	397.58	.Q	.	.	.	.
4.500	112.9369	399.26	.Q	.	.	.	.
4.583	115.6983	400.95	.QV	.	.	.	.
4.667	118.4714	402.66	.QV	.	.	.	.
4.750	121.2565	404.39	.QV	.	.	.	.
4.833	124.0535	406.13	. Q	.	.	.	.
4.917	126.8628	407.90	. Q	.	.	.	.
5.000	129.6843	409.69	. Q	.	.	.	.
5.083	132.5183	411.49	. Q	.	.	.	.
5.167	135.3648	413.32	. Q	.	.	.	.
5.250	138.2241	415.17	. Q	.	.	.	.
5.333	141.0963	417.04	. Q	.	.	.	.
5.417	143.9814	418.93	. Q	.	.	.	.
5.500	146.8798	420.84	. Q	.	.	.	.
5.583	149.7915	422.78	. Q	.	.	.	.
5.667	152.7167	424.74	. Q	.	.	.	.
5.750	155.6555	426.72	. Q	.	.	.	.
5.833	158.6082	428.73	. Q	.	.	.	.
5.917	161.5749	430.76	. Q	.	.	.	.
6.000	164.5557	432.82	. Q	.	.	.	.
6.083	167.5510	434.91	. Q	.	.	.	.
6.167	170.5607	437.02	. Q	.	.	.	.
6.250	173.5852	439.16	. QV	.	.	.	.
6.333	176.6246	441.32	. QV	.	.	.	.
6.417	179.6791	443.51	. QV	.	.	.	.
6.500	182.7490	445.74	. QV	.	.	.	.
6.583	185.8343	447.99	. QV	.	.	.	.
6.667	188.9353	450.27	. QV	.	.	.	.
6.750	192.0523	452.58	. QV	.	.	.	.
6.833	195.1854	454.93	. QV	.	.	.	.
6.917	198.3349	457.30	. QV	.	.	.	.
7.000	201.5009	459.71	. QV	.	.	.	.
7.083	204.6838	462.15	. QV	.	.	.	.
7.167	207.8837	464.63	. QV	.	.	.	.
7.250	211.1010	467.14	. QV	.	.	.	.
7.333	214.3357	469.69	. QV	.	.	.	.
7.417	217.5883	472.27	. QV	.	.	.	.
7.500	220.8589	474.89	. QV	.	.	.	.
7.583	224.1478	477.55	. QV	.	.	.	.
7.667	227.4553	480.25	. QV	.	.	.	.
7.750	230.7817	482.99	. Q V	.	.	.	.
7.833	234.1272	485.77	. Q V	.	.	.	.
7.917	237.4922	488.59	. Q V	.	.	.	.
8.000	240.8769	491.46	. Q V	.	.	.	.
8.083	244.2816	494.37	. Q V	.	.	.	.
8.167	247.7067	497.32	. Q V	.	.	.	.
8.250	251.1525	500.33	. Q V	.	.	.	.
8.333	254.6193	503.38	. Q V	.	.	.	.
8.417	258.1074	506.48	. Q V	.	.	.	.
8.500	261.6172	509.63	. Q V	.	.	.	.
8.583	265.1491	512.83	. Q V	.	.	.	.
8.667	268.7034	516.09	. Q V	.	.	.	.
8.750	272.2805	519.40	. Q V	.	.	.	.
8.833	275.8808	522.76	. Q V	.	.	.	.
8.917	279.5047	526.19	. Q V	.	.	.	.
9.000	283.1526	529.67	. Q V	.	.	.	.
9.083	286.8248	533.21	. Q V	.	.	.	.
9.167	290.5219	536.82	. Q V	.	.	.	.
9.250	294.2443	540.49	. Q V	.	.	.	.
9.333	297.9925	544.23	. Q V	.	.	.	.
9.417	301.7668	548.04	. Q V	.	.	.	.
9.500	305.5679	551.91	. Q V	.	.	.	.
9.583	309.3961	555.86	. Q V	.	.	.	.
9.667	313.2521	559.89	. Q V	.	.	.	.
9.750	317.1363	563.99	. Q V	.	.	.	.
9.833	321.0494	568.17	. Q V	.	.	.	.
9.917	324.9918	572.44	. Q V	.	.	.	.
10.000	328.9641	576.79	. Q V	.	.	.	.
10.083	332.9670	581.22	. Q V	.	.	.	.
10.167	337.0011	585.75	. Q V	.	.	.	.
10.250	341.0670	590.37	. Q V	.	.	.	.
10.333	345.1654	595.09	. Q V	.	.	.	.
10.417	349.2970	599.91	. Q V	.	.	.	.
10.500	353.4625	604.83	. Q V	.	.	.	.
10.583	357.6626	609.86	. Q V	.	.	.	.
10.667	361.8982	615.00	. Q V	.	.	.	.
10.750	366.1699	620.25	. Q V	.	.	.	.
10.833	370.4786	625.63	. Q V	.	.	.	.
10.917	374.8252	631.12	. Q V	.	.	.	.
11.000	379.2105	636.75	. Q V	.	.	.	.
11.083	383.6355	642.51	. Q V	.	.	.	.
11.167	388.1012	648.41	. Q V	.	.	.	.
11.250	392.6084	654.45	. Q V	.	.	.	.
11.333	397.1583	660.65	. Q V	.	.	.	.
11.417	401.7520	666.99	. Q V	.	.	.	.
11.500	406.3905	673.51	. Q V	.	.	.	.
11.583	411.0750	680.19	. Q V	.	.	.	.
11.667	415.8068	687.05	. Q V	.	.	.	.
11.750	420.5870	694.09	. Q V	.	.	.	.
11.833	425.4172	701.33	. Q V	.	.	.	.
11.917	430.2985	708.77	. Q V	.	.	.	.
12.000	435.2326	716.42	. Q V	.	.	.	.
12.083	440.2304	725.69	. Q V	.	.	.	.
12.167	445.3353	741.22	. Q V	.	.	.	.
12.250	450.6114	766.09	. Q V	.	.	.	.
12.333	456.1188	799.67	. Q V	.	.	.	.
12.417	461.8734	835.58	. Q V	.	.	.	.
12.500	467.8658	870.08	. Q V	.	.	.	.
12.583	474.0839	902.88	. Q V	.	.	.	.
12.667	480.5299	935.96	. Q V	.	.	.	.
12.750	487.2260	972.28	. Q V	.	.	.	.
12.833	494.1850	1010.44	. Q V	.	.	.	.

12.917	501.3854	1045.50	. Q V . . . .
13.000	508.7915	1075.37	. Q V . . . .
13.083	516.3760	1101.26	. Q V . . . .
13.167	524.1238	1124.99	. Q V. . . .
13.250	532.0275	1147.62	. Q V. . . .
13.333	540.0847	1169.90	. Q V. . . .
13.417	548.2957	1192.24	. Q V. . . .
13.500	556.6642	1215.11	. Q V. . . .
13.583	565.1969	1238.94	. Q V. . . .
13.667	573.9053	1264.45	. Q V. . . .
13.750	582.8046	1292.18	. Q V . . .
13.833	591.9114	1322.31	. Q V . . .
13.917	601.2409	1354.65	. Q V . . .
14.000	610.8074	1389.06	. Q V . . .
14.083	620.6521	1429.45	. Q V . . .
14.167	630.9080	1489.16	. Q V . . .
14.250	641.7773	1578.22	. Q .V . . .
14.333	653.4666	1697.28	. Q .V . . .
14.417	666.0818	1831.73	. Q.V . . .
14.500	679.6559	1970.95	. Q.V . . .
14.583	694.2061	2112.70	. Q V . . .
14.667	709.8152	2266.45	. .QV . . .
14.750	726.6564	2445.33	. . Q . . .
14.833	744.8221	2637.67	. . VQ . . .
14.917	764.2051	2814.41	. . Q . . .
15.000	784.6144	2963.43	. . VQ . . .
15.083	805.9061	3091.55	. . VQ . . .
15.167	828.0082	3209.23	. . VQ . . .
15.250	850.8918	3322.69	. . V Q . . .
15.333	874.5566	3436.12	. . VQ . . .
15.417	898.9642	3543.99	. . V Q . . .
15.500	923.9176	3623.23	. . VQ . . .
15.583	949.0990	3656.34	. . V Q . . .
15.667	974.2032	3645.14	. . V Q . . .
15.750	999.1525	3622.64	. . Q . . .
15.833	1024.0914	3621.14	. . Q . . .
15.917	1049.3269	3664.20	. . Q . . .
16.000	1075.2950	3770.58	. . Q . . .
16.083	1103.0299	4027.11	. . Q. . . .
16.167	1134.8494	4620.19	. . V. Q . . .
16.250	1172.5322	5471.55	. . V Q . . .
16.333	1216.0887	6324.40	. . .V .Q . .
16.417	1263.0579	6819.92	. . .V . Q . .
16.500	1311.4933	7032.82	. . . V . Q . .
16.583	1360.9264	7177.68	. . . V . Q . .
16.667	1412.6570	7511.28	. . . V . Q . .
16.750	1467.8464	8013.51	. . . V . Q.
16.833	1523.5411	8086.88	. . . V . Q.
16.917	1574.6166	7416.16	. . . V . Q . .
17.000	1619.0906	6457.62	. . . V .Q . .
17.083	1658.3915	5706.49	. . . Q . . .
17.167	1694.3896	5226.93	. . . Q V. . .
17.250	1727.9224	4868.96	. . . Q V . .
17.333	1759.1812	4538.78	. . Q V . .
17.417	1788.2201	4216.45	. . Q .V . .
17.500	1815.1495	3910.16	. . Q. .V . .
17.583	1840.1245	3626.38	. . Q . . V . .
17.667	1863.2435	3356.88	. . Q . . V . .
17.750	1884.4592	3080.53	. . Q . . V . .
17.833	1903.7488	2800.84	. . Q . . . V . .
17.917	1921.2837	2546.06	. . Q . . . V . .
18.000	1937.3226	2328.86	. .Q . . . V . .
18.083	1952.0845	2143.41	. . Q . . . V . .
18.167	1965.7275	1980.98	. . Q. . . . V . .
18.250	1978.3109	1827.11	. . Q. . . . V . .
18.333	1989.8173	1670.72	. . Q . . . . V . .
18.417	2000.3203	1525.04	. . Q . . . . V . .
18.500	2010.0034	1405.99	. . Q . . . . V . .
18.583	2019.0381	1311.84	. . Q . . . . V . .
18.667	2027.5206	1231.67	. . Q . . . . V . .
18.750	2035.4868	1156.69	. . Q . . . . V . .
18.833	2042.9678	1086.23	. . Q . . . . V . .
18.917	2050.0181	1023.71	. . Q . . . . V . .
19.000	2056.7048	970.91	. . Q . . . . V . .
19.083	2063.0879	926.82	. . Q . . . . V . .
19.167	2069.2117	889.16	. . Q . . . . V .
19.250	2075.1089	856.29	. . Q . . . . V .
19.333	2080.8064	827.29	. . Q . . . . V .
19.417	2086.3298	802.02	. Q . . . . V .
19.500	2091.7012	779.92	. Q . . . . V .
19.583	2096.9370	760.26	. Q . . . . V .
19.667	2102.0488	742.22	. Q . . . . V .
19.750	2107.0447	725.39	. Q . . . . V .
19.833	2111.9297	709.32	. Q . . . . V .
19.917	2116.7068	693.63	. Q . . . . V .
20.000	2121.3772	678.16	. Q . . . . V .
20.083	2125.9346	661.72	. Q . . . . V .
20.167	2130.3625	642.94	. Q . . . . V .
20.250	2134.6560	623.41	. Q . . . . V .
20.333	2138.8320	606.38	. Q . . . . V .
20.417	2142.9133	592.60	. Q . . . . V .
20.500	2146.9143	580.94	. Q . . . . V .
20.583	2150.8425	570.38	. Q . . . . V .
20.667	2154.7021	560.42	. Q . . . . V .
20.750	2158.4961	550.89	. Q . . . . V .
20.833	2162.2266	541.68	. Q . . . . V .
20.917	2165.8965	532.88	. Q . . . . V .
21.000	2169.5083	524.43	. Q . . . . V .
21.083	2173.0640	516.30	. Q . . . . V .
21.167	2176.5671	508.67	. Q . . . . V .
21.250	2180.0217	501.61	. Q . . . . V .
21.333	2183.4309	495.00	. Q . . . . V .
21.417	2186.7969	488.74	. Q . . . . V .
21.500	2190.1216	482.74	. Q . . . . V .
21.583	2193.4065	476.97	. Q . . . . V .
21.667	2196.6531	471.40	. Q . . . . V .
21.750	2199.8625	466.02	. Q . . . . V .
21.833	2203.0361	460.81	. Q . . . . V .
21.917	2206.1750	455.75	. Q . . . . V .
22.000	2209.2800	450.85	. Q . . . . V .
22.083	2212.3523	446.09	. Q . . . . V .
22.167	2215.3928	441.49	. Q . . . . V .
22.250	2218.4028	437.05	. Q . . . . V .
22.333	2221.3833	432.76	. Q . . . . V .
22.417	2224.3352	428.61	. Q . . . . V .
22.500	2227.2593	424.56	. Q . . . . V .
22.583	2230.1562	420.62	. Q . . . . V .
22.667	2233.0266	416.78	. Q . . . . V .
22.750	2235.8711	413.03	. Q . . . . V .
22.833	2238.6904	409.37	. Q . . . . V .
22.917	2241.4851	405.79	. Q . . . . V .
23.000	2244.2559	402.30	.Q . . . . V.
23.083	2247.0029	398.88	.Q . . . . V.
23.167	2249.7271	395.55	.Q . . . . V.
23.250	2252.4287	392.28	.Q . . . . V.
23.333	2255.1084	389.08	.Q . . . . V.
23.417	2257.7666	385.96	.Q . . . . V.
23.500	2260.4036	382.90	.Q . . . . V.
23.583	2263.0200	379.90	.Q . . . . V.
23.667	2265.6162	376.96	.Q . . . . V.
23.750	2268.1926	374.09	.Q . . . . V.
23.833	2270.7495	371.27	.Q . . . . V.
23.917	2273.2874	368.50	.Q . . . . V.
24.000	2275.8066	365.79	.Q . . . . V.

24.083	2278.3003	362.09	.Q	.	.	.	V.
24.167	2280.7380	353.97	.Q	.	.	.	V.
24.250	2283.0703	338.64	.Q	.	.	.	V.
24.333	2285.2437	315.58	.Q	.	.	.	V.
24.417	2287.2302	288.46	.Q	.	.	.	V.
24.500	2289.0242	260.48	.Q	.	.	.	V.
24.583	2290.6304	233.24	.Q	.	.	.	V.
24.667	2292.0432	205.15	.Q	.	.	.	V.
24.750	2293.2346	172.99	Q	.	.	.	V.
24.833	2294.1929	139.15	Q	.	.	.	V.
24.917	2294.9517	110.19	Q	.	.	.	V.
25.000	2295.5640	88.91	Q	.	.	.	V.
25.083	2296.0713	73.66	Q	.	.	.	V.
25.167	2296.4988	62.09	Q	.	.	.	V.
25.250	2296.8625	52.83	Q	.	.	.	V.
25.333	2297.1733	45.14	Q	.	.	.	V.
25.417	2297.4395	38.65	Q	.	.	.	V.
25.500	2297.6677	33.13	Q	.	.	.	V.
25.583	2297.8633	28.41	Q	.	.	.	V.
25.667	2298.0305	24.29	Q	.	.	.	V.
25.750	2298.1729	20.68	Q	.	.	.	V.
25.833	2298.2937	17.53	Q	.	.	.	V.
25.917	2298.3958	14.83	Q	.	.	.	V.
26.000	2298.4822	12.54	Q	.	.	.	V.
26.083	2298.5554	10.63	Q	.	.	.	V.
26.167	2298.6174	9.00	Q	.	.	.	V.
26.250	2298.6699	7.61	Q	.	.	.	V.
26.333	2298.7148	6.53	Q	.	.	.	V.
26.417	2298.7549	5.80	Q	.	.	.	V.
26.500	2298.7913	5.29	Q	.	.	.	V.
26.583	2298.8250	4.90	Q	.	.	.	V.
26.667	2298.8564	4.56	Q	.	.	.	V.
26.750	2298.8857	4.25	Q	.	.	.	V.
26.833	2298.9128	3.94	Q	.	.	.	V.
26.917	2298.9380	3.65	Q	.	.	.	V.
27.000	2298.9612	3.38	Q	.	.	.	V.
27.083	2298.9827	3.12	Q	.	.	.	V.
27.167	2299.0024	2.87	Q	.	.	.	V.
27.250	2299.0205	2.62	Q	.	.	.	V.
27.333	2299.0369	2.38	Q	.	.	.	V.
27.417	2299.0515	2.14	Q	.	.	.	V.
27.500	2299.0647	1.90	Q	.	.	.	V.
27.583	2299.0762	1.67	Q	.	.	.	V.
27.667	2299.0862	1.44	Q	.	.	.	V.
27.750	2299.0945	1.21	Q	.	.	.	V.
27.833	2299.1013	0.98	Q	.	.	.	V.
27.917	2299.1064	0.76	Q	.	.	.	V.
28.000	2299.1101	0.54	Q	.	.	.	V.
28.083	2299.1123	0.34	Q	.	.	.	V.
28.167	2299.1130	0.10	Q	.	.	.	V.
28.250	2299.1135	0.06	Q	.	.	.	V.
28.333	2299.1138	0.04	Q	.	.	.	V.
28.417	2299.1140	0.03	Q	.	.	.	V.
28.500	2299.1143	0.02	Q	.	.	.	V.
28.583	2299.1143	0.01	Q	.	.	.	V.
28.667	2299.1143	0.01	Q	.	.	.	V.
28.750	2299.1143	0.01	Q	.	.	.	V.
28.833	2299.1143	0.00	Q	.	.	.	V.
28.917	2299.1143	0.00	Q	.	.	.	V.
29.000	2299.1143	0.00	Q	.	.	.	V.
29.083	2299.1143	0.00	Q	.	.	.	V.
29.167	2299.1143	0.00	Q	.	.	.	V.
29.250	2299.1143	0.00	Q	.	.	.	V.
29.333	2299.1143	0.00	Q	.	.	.	V.
29.417	2299.1143	0.00	Q	.	.	.	V.
29.500	2299.1143	0.00	Q	.	.	.	V.
29.583	2299.1143	0.00	Q	.	.	.	V.
29.667	2299.1143	0.00	Q	.	.	.	V.
29.750	2299.1143	0.00	Q	.	.	.	V.
29.833	2299.1143	0.00	Q	.	.	.	V.
29.917	2299.1143	0.00	Q	.	.	.	V.
30.000	2299.1143	0.00	Q	.	.	.	V.

PRELIMINARY DRAFT – FOR INTERNAL USE ONLY

HYDROLOGY ANALYSIS FOR CANADA GOBERNADORA PROPOSED CONDITION 100-YEAR HIGH CONFIDENCE STORM EVENT (BASIN-SINGLE DAY)

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             F L O O D    R O U T I N G    A N A L Y S I S
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                         Analysis prepared by:

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                             714 - 734 - 5100

--------------------------------------------------------------------------
  FILE NAME: CP63CH-B.FLD
  TIME/DATE OF STUDY: 11:25 04/02/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    780.00 IS CODE =   1
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  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
==========================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

         WATERSHED AREA =    4741.300 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.480 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  1.000
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.190
         LOW LOSS FRACTION = 0.550
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.727
          30-MINUTE FACTOR = 0.727
           1-HOUR FACTOR = 0.727
           3-HOUR FACTOR = 0.955
           6-HOUR FACTOR = 0.976
          24-HOUR FACTOR = 0.985

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  17.361


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


==========================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------
         1                1.137               652.130
         2                4.082              1688.625
         3                8.525              2547.514
         4               14.577              3470.279
         5               24.203              5519.575
         6               43.203             10894.611
         7               57.937              8448.228
         8               65.484              4327.674
         9               70.911              3111.621
        10               75.443              2599.076
        11               78.982              2029.171
        12               82.133              1806.516
        13               84.749              1499.854
        14               87.075              1334.078
        15               88.974              1088.566
        16               90.645               958.165
        17               92.163               870.854
        18               93.467               747.418
        19               94.550               621.273
        20               95.489               538.119
        21               96.255               439.106
        22               96.815               321.374
        23               97.375               321.055
        24               97.900               301.316
        25               98.079               102.631
        26               98.169                51.477
        27               98.259                51.411
        28               98.349                51.608
        29               98.439                51.604
        30               98.528                51.219
        31               98.618                51.477
        32               98.708                51.477
        33               98.798                51.608
        34               98.887                51.346
        35               98.977                51.608
        36               99.067                51.604
        37               99.157                51.604
        38               99.247                51.604
        39               99.337                51.604
        40               99.427                51.604
        41               99.517                51.604
        42               99.607                51.604
        43               99.697                51.604
        44               99.787                51.604
        45               99.877                51.604
        46               99.967                51.604
        47              100.000                18.785


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     993.1261
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =    1450.5415
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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1875.0 3750.0 5625.0 7500.0
14.000	382.9067	883.53	. Q V . . .
14.083	389.2522	921.36	. Q V . . .
14.167	395.9843	977.51	. Q V . . .
14.250	403.2013	1047.91	. Q .V . . .
14.333	411.0180	1134.98	. Q .V . . .
14.417	419.6594	1254.73	. Q .V . . .
14.500	429.7179	1460.50	. Q .V . . .
14.583	440.9299	1627.98	. Q . V . . .
14.667	452.8639	1732.81	. Q. V . . .
14.750	465.3948	1819.49	. Q. V . . .
14.833	478.4874	1901.04	. Q V . . .
14.917	492.0902	1975.13	. Q V . . .
15.000	506.2045	2049.41	. Q V . . .
15.083	520.8114	2120.91	. .Q V . . .
15.167	535.9250	2194.50	. .Q V . . .
15.250	551.5391	2267.16	. . Q V . . .
15.333	567.6818	2343.93	. . Q V . . .
15.417	584.2386	2404.04	. . Q V . . .
15.500	601.0416	2439.80	. . Q V . . .
15.583	617.9546	2455.76	. . Q V . . .
15.667	634.8795	2457.49	. . Q V . . .
15.750	651.4971	2412.89	. . Q V . . .
15.833	666.8879	2234.74	. .Q V . . .
15.917	681.8751	2176.14	. .Q V . . .
16.000	697.9160	2329.15	. . Q V. . .
16.083	717.0890	2783.92	. . Q V. . .
16.167	740.6621	3422.82	. . Q V . .
16.250	768.4648	4036.94	. . .Q . . .
16.333	801.1960	4752.57	. . . V Q . .
16.417	841.1049	5794.77	. . . V Q .
16.500	892.1329	7409.28	. . . V . Q.
16.583	935.3282	6271.96	. . . V . Q .
16.667	966.8684	4579.64	. . . Q V . .
16.750	993.9514	3932.45	. . . Q V . .
16.833	1019.8909	3766.42	. . . Q V . .
16.917	1044.5428	3579.45	. . Q. V . .
17.000	1068.0594	3414.60	. . Q . V. .
17.083	1090.1458	3206.93	. . Q . V .
17.167	1111.0190	3030.80	. . Q . V .
17.250	1130.4258	2817.85	. . Q . .V .
17.333	1148.5668	2634.07	. . Q . .V .
17.417	1165.3521	2437.22	. . Q . . V .
17.500	1180.1464	2148.13	. .Q . . V .
17.583	1193.1985	1895.18	. Q . . V .
17.667	1205.0565	1721.79	. Q. . . V .
17.750	1215.8529	1567.64	. Q . . . V .
17.833	1225.6625	1424.34	. Q . . . V .
17.917	1234.8037	1327.30	. Q . . . V .
18.000	1243.2512	1226.59	. Q . . . V .
18.083	1250.7114	1083.22	. Q . . . V .
18.167	1257.5763	996.78	. Q . . . V .
18.250	1264.0485	939.76	. Q . . . V .
18.333	1270.1714	889.06	. Q . . . V .
18.417	1275.9067	832.77	. Q . . . V .
18.500	1281.1781	765.39	. Q . . . V .
18.583	1286.0669	709.86	. Q . . . V .
18.667	1290.6768	669.36	. Q . . . V .
18.750	1295.0553	635.77	. Q . . . V .
18.833	1299.2356	606.98	. Q . . . V .
18.917	1303.2393	581.33	. Q . . . V .
19.000	1307.0803	557.72	. Q . . . V .
19.083	1310.7930	539.07	. Q . . . V .
19.167	1314.3920	522.58	. Q . . . V .
19.250	1317.8940	508.50	. Q . . . V .
19.333	1321.3097	495.96	. Q . . . V .
19.417	1324.6434	484.05	. Q . . . V .
19.500	1327.8998	472.81	. Q . . . V .
19.583	1331.0814	461.98	. Q . . . V .
19.667	1334.1896	451.30	. Q . . . V .
19.750	1337.2205	440.09	. Q . . . V .
19.833	1340.1660	427.70	. Q . . . V .
19.917	1342.9597	405.64	. Q . . . V .
20.000	1345.6436	389.69	. Q . . . V .

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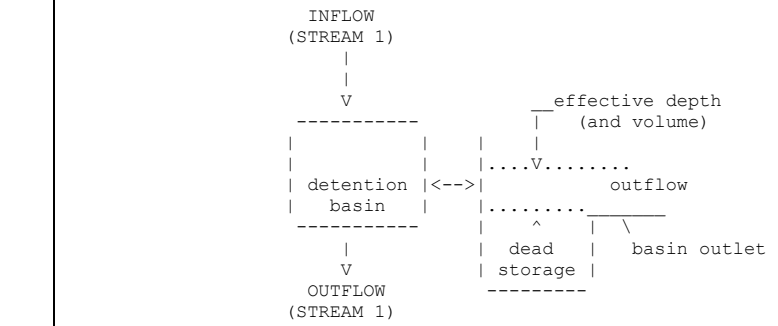
FLOW PROCESS FROM NODE 780.00 TO NODE 780.00 IS CODE = 3.1
>>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<



ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
THROUGH A FLOW-THROUGH DETENTION BASIN
SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
DEAD STORAGE(AF) = 0.000
SPECIFIED DEAD STORAGE(AF) FILLED = 0.000
SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET = 0.000
DETENTION BASIN CONSTANT LOSS RATE(CFS) = 0.00

BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

INTERVAL NUMBER	DEPTH (FT)	OUTFLOW (CFS)	STORAGE (AF)
1	0.00	0.00	0.000
2	4.00	600.00	0.400
3	5.00	838.50	1.200
4	6.00	1251.00	3.000
5	7.00	1594.50	6.100
6	9.00	2548.60	17.100
7	11.00	3719.90	32.300
8	13.00	5062.00	48.600

9	15.00	6551.90	78.000
10	17.00	8174.80	112.300
11	19.00	9919.80	147.600
12	21.00	11778.40	184.000
13	23.00	13743.90	221.500
14	25.00	15810.50	260.100
15	27.00	17973.40	300.000
16	29.00	20228.40	341.000
17	31.00	22571.80	383.100

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MODIFIED-PULS BASIN ROUTING MODEL RESULTS(5-MINUTE COMPUTATION INTERVALS):
(Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time;
MEAN OUTFLOW is the average value during the unit interval.)

CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
14.083	0.000	921.36	0.00	5.19	898.3	1.540
14.167	0.000	977.51	0.00	5.32	943.4	1.775
14.250	0.000	1047.91	0.00	5.49	1004.5	2.074
14.333	0.000	1134.98	0.00	5.69	1081.2	2.444
14.417	0.000	1254.73	0.00	5.97	1181.5	2.949
14.500	0.000	1460.50	0.00	6.33	1302.6	4.037
14.583	0.000	1627.98	0.00	6.76	1438.3	5.343
14.667	0.000	1732.81	0.00	7.07	1568.8	6.473
14.750	0.000	1819.49	0.00	7.25	1671.2	7.495
14.833	0.000	1901.04	0.00	7.43	1758.1	8.479
14.917	0.000	1975.13	0.00	7.60	1840.9	9.403
15.000	0.000	2049.41	0.00	7.76	1919.7	10.296
15.083	0.000	2120.91	0.00	7.92	1995.8	11.158
15.167	0.000	2194.50	0.00	8.08	2070.3	12.013
15.250	0.000	2267.16	0.00	8.23	2144.1	12.860
15.333	0.000	2343.93	0.00	8.39	2218.4	13.725
15.417	0.000	2404.04	0.00	8.53	2290.0	14.511
15.500	0.000	2439.80	0.00	8.64	2350.7	15.125
15.583	0.000	2455.76	0.00	8.72	2395.3	15.541
15.667	0.000	2457.49	0.00	8.76	2423.5	15.775
15.750	0.000	2412.89	0.00	8.74	2428.9	15.665
15.833	0.000	2234.74	0.00	8.56	2380.6	14.660
15.917	0.000	2176.14	0.00	8.40	2300.0	13.807
16.000	0.000	2329.15	0.00	8.47	2278.2	14.158
16.083	0.000	2783.92	0.00	8.94	2406.2	16.759
16.167	0.000	3422.82	0.00	9.60	2709.9	21.669
16.250	0.000	4036.94	0.00	10.41	3139.0	27.854
16.333	0.000	4752.57	0.00	11.37	3671.9	35.296
16.417	0.000	5794.77	0.00	12.57	4370.4	45.106
16.500	0.000	7409.28	0.00	13.79	5212.9	60.232
16.583	0.000	6271.96	0.00	14.04	5743.7	63.871
16.667	0.000	4579.64	0.00	13.54	5649.2	56.504
16.750	0.000	3932.45	0.00	12.88	5222.1	47.623
16.833	0.000	3766.42	0.00	12.08	4713.1	41.103
16.917	0.000	3579.45	0.00	11.51	4253.6	36.460
17.000	0.000	3414.60	0.00	11.08	3919.3	32.984
17.083	0.000	3206.93	0.00	10.68	3655.4	29.895
17.167	0.000	3030.80	0.00	10.32	3428.9	27.153
17.250	0.000	2817.85	0.00	9.96	3217.3	24.402
17.333	0.000	2634.07	0.00	9.62	3011.2	21.805
17.417	0.000	2437.22	0.00	9.28	2811.8	19.225
17.500	0.000	2148.13	0.00	8.83	2590.5	16.179
17.583	0.000	1895.18	0.00	8.28	2336.8	13.137
17.667	0.000	1721.79	0.00	7.81	2093.8	10.575
17.750	0.000	1567.64	0.00	7.41	1887.2	8.374
17.833	0.000	1424.34	0.00	7.06	1707.3	6.426
17.917	0.000	1327.30	0.00	6.62	1544.0	4.933
18.000	0.000	1226.59	0.00	6.24	1399.3	3.744
18.083	0.000	1083.22	0.00	5.78	1247.7	2.611
18.167	0.000	996.78	0.00	5.43	1089.1	1.976
18.250	0.000	939.76	0.00	5.27	982.5	1.681
18.333	0.000	889.06	0.00	5.14	922.4	1.451
18.417	0.000	832.77	0.00	5.00	868.2	1.208
18.500	0.000	765.39	0.00	4.69	802.5	0.952
18.583	0.000	709.86	0.00	4.46	736.9	0.766
18.667	0.000	669.36	0.00	4.29	689.0	0.631
18.750	0.000	635.77	0.00	4.15	652.1	0.519
18.833	0.000	606.98	0.00	4.03	621.0	0.422
18.917	0.000	581.33	0.00	3.79	587.6	0.379
19.000	0.000	557.72	0.00	3.67	559.5	0.367
19.083	0.000	539.07	0.00	3.54	540.9	0.354
19.167	0.000	522.58	0.00	3.44	524.0	0.344
19.250	0.000	508.50	0.00	3.35	509.8	0.335
19.333	0.000	495.96	0.00	3.27	497.1	0.327
19.417	0.000	484.05	0.00	3.19	485.2	0.319
19.500	0.000	472.81	0.00	3.12	473.9	0.312
19.583	0.000	461.98	0.00	3.05	463.0	0.305
19.667	0.000	451.30	0.00	2.98	452.3	0.298
19.750	0.000	440.09	0.00	2.90	441.2	0.290
19.833	0.000	427.70	0.00	2.82	428.9	0.282
19.917	0.000	405.64	0.00	2.63	408.4	0.263

PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 1450.542 AF
BASIN STORAGE = 0.000 AF (WITH 0.000 AF INITIALLY FILLED)
OUTFLOW VOLUME = 1450.542 AF
LOSS VOLUME = 0.000 AF

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FLOW PROCESS FROM NODE 780.00 TO NODE 780.00 IS CODE = 11

>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

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STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1450.0 2900.0 4350.0 5800.0
14.000	381.5252	867.19	. Q V . . .
14.083	387.7118	898.29	. Q V . . .
14.167	394.2091	943.41	. Q V . . .
14.250	401.1274	1004.54	. Q .V . . .
14.333	408.5737	1081.20	. Q .V . . .
14.417	416.7105	1181.46	. Q .V . . .
14.500	425.6813	1302.57	. Q .V . . .
14.583	435.5866	1438.25	. Q. V . . .
14.667	446.3907	1568.75	. Q V . . .
14.750	457.9001	1671.16	. .QV . . .
14.833	470.0085	1758.14	. . Q . . .
14.917	482.6870	1840.91	. . QV . . .
15.000	495.9083	1919.73	. . Q . . .
15.083	509.6536	1995.82	. . QV . . .
15.167	523.9117	2070.28	. . Q . . .
15.250	538.6785	2144.13	. . Q . . .
15.333	553.9565	2218.38	. . Q . . .
15.417	569.7275	2289.95	. . Q . . .
15.500	585.9166	2350.65	. . Q . . .
15.583	602.4134	2395.33	. . Q . . .
15.667	619.1044	2423.53	. . QV . . .
15.750	635.8323	2428.89	. . QV . . .

15.833	652.2273	2380.56	. . QV . . .
15.917	668.0676	2300.01	. . Q V . . .
16.000	683.7578	2278.22	. . Q V . . .
16.083	700.3297	2406.24	. . Q V. . .
16.167	718.9927	2709.87	. . QV. . .
16.250	740.6111	3138.98	. . VQ . .
16.333	765.8998	3671.92	. . .V Q . .
16.417	795.9992	4370.43	. . .V Q .
16.500	831.9006	5212.88	. . . V . Q .
16.583	871.4576	5743.68	. . . V . Q.
16.667	910.3640	5649.22	. . . V . Q .
16.750	946.3286	5222.05	. . . V . Q .
16.833	978.7880	4713.12	. . . V . Q .
16.917	1008.0826	4253.57	. . . V Q. .
17.000	1035.0752	3919.33	. . . QV . .
17.083	1060.2502	3655.41	. . . Q V. .
17.167	1083.8656	3428.95	. . . Q V. .
17.250	1106.0233	3217.30	. . . Q V .
17.333	1126.7618	3011.23	. . Q .V .
17.417	1146.1266	2811.76	. . Q. .V .
17.500	1163.9677	2590.52	. . Q . . V .
17.583	1180.0612	2336.78	. . Q . . V .
17.667	1194.4811	2093.78	. . Q . . V .
17.750	1207.4785	1887.22	. . Q . . . V .
17.833	1219.2366	1707.27	. .Q . . . V .
17.917	1229.8702	1544.00	. Q . . . V .
18.000	1239.5074	1399.33	. Q. . . . V .
18.083	1248.1002	1247.66	. Q . . . . V .
18.167	1255.6007	1089.08	. Q . . . . V .
18.250	1262.3673	982.51	. Q . . . . V .
18.333	1268.7202	922.44	. Q . . . . V .
18.417	1274.6993	868.16	. Q . . . . V .
18.500	1280.2258	802.45	. Q . . . . V .
18.583	1285.3009	736.90	. Q . . . . V .
18.667	1290.0460	688.99	. Q . . . . V .
18.750	1294.5370	652.09	. Q . . . . V .
18.833	1298.8136	620.97	. Q . . . . V .
18.917	1302.8604	587.59	. Q . . . . V .
19.000	1306.7135	559.48	. Q . . . . V .
19.083	1310.4387	540.91	. Q . . . . V .
19.167	1314.0476	524.02	. Q . . . . V .
19.250	1317.5587	509.82	. Q . . . . V .
19.333	1320.9823	497.10	. Q . . . . V .
19.417	1324.3240	485.21	. Q . . . . V .
19.500	1327.5874	473.86	. Q . . . . V .
19.583	1330.7764	463.03	. Q . . . . V .
19.667	1333.8915	452.32	. Q . . . . V .
19.750	1336.9302	441.22	. Q . . . . V .
19.833	1339.8843	428.94	. Q . . . . V .
19.917	1342.6968	408.38	. Q . . . . V .
20.000	1345.3857	390.43	. Q . . . . V .
20.083	1348.0203	382.53	. Q . . . . V .
20.167	1350.6068	375.57	. Q . . . . V .
20.250	1353.1462	368.72	. Q . . . . V .
20.333	1355.6353	361.41	. Q . . . . V .
20.417	1358.0775	354.61	. Q . . . . V .
20.500	1360.4744	348.03	. Q . . . . V .
20.583	1362.8284	341.80	. Q . . . . V .
20.667	1365.1409	335.77	. Q . . . . V .
20.750	1367.4136	330.00	. Q . . . . V .
20.833	1369.6478	324.42	. Q . . . . V .
20.917	1371.8481	319.48	. Q . . . . V .
21.000	1374.0183	315.10	. Q . . . . V .
21.083	1376.1594	310.90	. Q . . . . V .
21.167	1378.2728	306.86	. Q . . . . V .
21.250	1380.3595	302.98	. Q . . . . V .

21.333	1382.4204	299.25	. Q . . . . V .
21.417	1384.4565	295.65	. Q . . . . V .
21.500	1386.4688	292.18	. Q . . . . V .
21.583	1388.4578	288.81	.Q . . . . V .
21.667	1390.4243	285.53	.Q . . . . V .
21.750	1392.3689	282.35	.Q . . . . V .
21.833	1394.2921	279.26	.Q . . . . V .
21.917	1396.1952	276.32	.Q . . . . V .
22.000	1398.0790	273.53	.Q . . . . V .
22.083	1399.9441	270.81	.Q . . . . V .
22.167	1401.7910	268.17	.Q . . . . V .
22.250	1403.6201	265.59	.Q . . . . V .
22.333	1405.4320	263.08	.Q . . . . V .
22.417	1407.2269	260.63	.Q . . . . V .
22.500	1409.0054	258.24	.Q . . . . V .
22.583	1410.7678	255.91	.Q . . . . V .
22.667	1412.5145	253.63	.Q . . . . V .
22.750	1414.2460	251.40	.Q . . . . V .
22.833	1415.9624	249.23	.Q . . . . V.
22.917	1417.6642	247.11	.Q . . . . V.
23.000	1419.3517	245.03	.Q . . . . V.
23.083	1421.0251	242.99	.Q . . . . V.
23.167	1422.6849	241.01	.Q . . . . V.
23.250	1424.3314	239.06	.Q . . . . V.
23.333	1425.9647	237.16	.Q . . . . V.
23.417	1427.5852	235.29	.Q . . . . V.
23.500	1429.1931	233.47	.Q . . . . V.
23.583	1430.7887	231.68	.Q . . . . V.
23.667	1432.3722	229.92	.Q . . . . V.
23.750	1433.9438	228.20	.Q . . . . V.
23.833	1435.5039	226.52	.Q . . . . V.
23.917	1437.0526	224.87	.Q . . . . V.
24.000	1438.5901	223.25	.Q . . . . V.
24.083	1440.1029	219.66	.Q . . . . V.
24.167	1441.5649	212.29	.Q . . . . V.
24.250	1442.9545	201.77	.Q . . . . V.
24.333	1444.2496	188.05	.Q . . . . V.
24.417	1445.4036	167.55	.Q . . . . V.
24.500	1446.2927	129.11	Q . . . . V.
24.583	1446.9414	94.19	Q . . . . V.
24.667	1447.4745	77.41	Q . . . . V.
24.750	1447.9220	64.98	Q . . . . V.
24.833	1448.3013	55.07	Q . . . . V.
24.917	1448.6243	46.90	Q . . . . V.
25.000	1448.9004	40.09	Q . . . . V.
25.083	1449.1350	34.07	Q . . . . V.
25.167	1449.3350	29.03	Q . . . . V.
25.250	1449.5048	24.65	Q . . . . V.
25.333	1449.6497	21.03	Q . . . . V.
25.417	1449.7710	17.61	Q . . . . V.
25.500	1449.8726	14.74	Q . . . . V.
25.583	1449.9573	12.30	Q . . . . V.
25.667	1450.0278	10.24	Q . . . . V.
25.750	1450.0864	8.51	Q . . . . V.
25.833	1450.1364	7.24	Q . . . . V.
25.917	1450.1780	6.04	Q . . . . V.
26.000	1450.2115	4.87	Q . . . . V.
26.083	1450.2416	4.36	Q . . . . V.
26.167	1450.2704	4.17	Q . . . . V.
26.250	1450.2975	3.93	Q . . . . V.
26.333	1450.3232	3.73	Q . . . . V.
26.417	1450.3474	3.50	Q . . . . V.
26.500	1450.3701	3.30	Q . . . . V.
26.583	1450.3914	3.08	Q . . . . V.
26.667	1450.4111	2.88	Q . . . . V.
26.750	1450.4294	2.67	Q . . . . V.

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  26.833   1450.4464      2.46  Q         .         .         .        V.
  26.917   1450.4619      2.25  Q         .         .         .        V.
  27.000   1450.4761      2.05  Q         .         .         .        V.
  27.083   1450.4888      1.85  Q         .         .         .        V.
  27.167   1450.5001      1.65  Q         .         .         .        V.
  27.250   1450.5101      1.45  Q         .         .         .        V.
  27.333   1450.5187      1.25  Q         .         .         .        V.
  27.417   1450.5259      1.05  Q         .         .         .        V.
  27.500   1450.5317      0.86  Q         .         .         .        V.
  27.583   1450.5363      0.66  Q         .         .         .        V.
  27.667   1450.5394      0.47  Q         .         .         .        V.
  27.750   1450.5414      0.28  Q         .         .         .        V.
  27.833   1450.5420      0.09  Q         .         .         .        V.
  27.917   1450.5420      0.00  Q         .         .         .        V.


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  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE = 5.2
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  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
============================================================================

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     408.00
           DOWNSTREAM ELEVATION(FT) =     382.00
           CHANNEL LENGTH(FT) =    2533.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  5743.68
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  4229.15
           CHANNEL NORMAL VELOCITY FOR Q =  4229.15 CFS =  13.09 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.885

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.961


         CONVEX METHOD CHANNEL ROUTING RESULTS:
                                          OUTFLOW LESS
          MODEL        INFLOW     ROUTED      LOSS
           TIME      (STREAM 1)    FLOW     (STREAM 1)
          (HRS)        (CFS)       (CFS)      (CFS)
          14.000       867.19      852.37      852.37
          14.083       898.29      879.45      879.45
          14.167       943.41      916.17      916.17
          14.250      1004.54      967.57      967.57
          14.333      1081.20     1034.73     1034.73
          14.417      1181.46     1120.76     1120.76
          14.500      1302.57     1229.07     1229.07
          14.583      1438.25     1355.70     1355.70
          14.667      1568.75     1488.89     1488.89
          14.750      1671.16     1607.91     1607.91
          14.833      1758.14     1704.59     1704.59
          14.917      1840.91     1790.21     1790.21
          15.000      1919.73     1871.46     1871.46
          15.083      1995.82     1949.25     1949.25
          15.167      2070.28     2024.74     2024.74
          15.250      2144.13     2098.98     2098.98
          15.333      2218.38     2173.01     2173.01
          15.417      2289.95     2246.15     2246.15
          15.500      2350.65     2313.30     2313.30
          15.583      2395.33     2367.64     2367.64
          15.667      2423.53     2405.89     2405.89
          15.750      2428.89     2425.05     2425.05
          15.833      2380.56     2408.80     2408.80
          15.917      2300.01     2348.42     2348.42
          16.000      2278.22     2292.90     2292.90
          16.083      2406.24     2331.61     2331.61
          16.167      2709.87     2528.62     2528.62
          16.250      3138.98     2879.88     2879.88
          16.333      3671.92     3348.81     3348.81
          16.417      4370.43     3947.57     3947.57
          16.500      5212.88     4701.60     4701.60
          16.583      5743.68     5412.03     5412.03
          16.667      5649.22     5691.82     5691.82
          16.750      5222.05     5474.62     5474.62
          16.833      4713.12     5021.88     5021.88
          16.917      4253.57     4535.50     4535.50
          17.000      3919.33     4126.61     4126.61
          17.083      3655.41     3818.49     3818.49
          17.167      3428.95     3568.31     3568.31
          17.250      3217.30     3347.04     3347.04
          17.333      3011.23     3137.31     3137.31
          17.417      2811.76     2933.82     2933.82
          17.500      2590.52     2725.22     2725.22
          17.583      2336.78     2491.06     2491.06
          17.667      2093.78     2242.51     2242.51
          17.750      1887.22     2014.33     2014.33
          17.833      1707.27     1817.91     1817.91
          17.917      1544.00     1644.20     1644.20
          18.000      1399.33     1488.20     1488.20
          18.083      1247.66     1340.20     1340.20
          18.167      1089.08     1185.82     1185.82
          18.250       982.51     1048.86     1048.86
          18.333       922.44      960.30      960.30
          18.417       868.16      901.51      901.51
          18.500       802.45      842.35      842.35
          18.583       736.90      776.95      776.95
          18.667       688.99      718.69      718.69
          18.750       652.09      674.92      674.92
          18.833       620.97      640.14      640.14
          18.917       587.59      607.94      607.94
          19.000       559.48      576.78      576.78
          19.083       540.91      552.49      552.49
          19.167       524.02      534.39      534.39
          19.250       509.82      518.56      518.56
          19.333       497.10      504.91      504.91
          19.417       485.21      492.50      492.50
          19.500       473.86      480.81      480.81
          19.583       463.03      469.66      469.66
          19.667       452.32      458.87      458.87
          19.750       441.22      447.99      447.99
          19.833       428.94      436.42      436.42
          19.917       408.38      420.75      420.75
          20.000       390.43      401.46      401.46
============================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1450.542 AF
    OUTFLOW VOLUME =   1450.542 AF
    LOSS    VOLUME =      0.000 AF
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  FLOW PROCESS FROM NODE   6300.00 TO NODE   6311.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
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      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     299.300 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.250 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.260
         LOW LOSS FRACTION = 0.500
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.727
          30-MINUTE FACTOR = 0.727
           1-HOUR FACTOR = 0.727
           3-HOUR FACTOR = 0.955
           6-HOUR FACTOR = 0.976
          24-HOUR FACTOR = 0.985

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


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                     UNIT HYDROGRAPH DETERMINATION

----------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
----------------------------------------------------------------------------
        1                3.852               139.411
        2               18.445               528.231
        3               39.624               766.604
        4               55.845               587.160
        5               64.124               299.680
        6               70.038               214.036
        7               74.639               166.538
        8               78.230               130.017
        9               81.158               105.957
       10               83.587                87.936
       11               85.638                74.235
       12               87.267                58.971
       13               88.619                48.932
       14               89.699                39.084
       15               90.702                36.306
       16               91.629                33.565
       17               92.506                31.749
       18               93.325                29.632
       19               94.080                27.335
       20               94.768                24.914
       21               95.424                23.727
       22               95.971                19.796
       23               96.509                19.477
       24               97.020                18.507
       25               97.406                13.985
       26               97.766                13.021
       27               98.126                13.018
       28               98.458                12.019
       29               98.594                 4.931
       30               98.692                 3.557
       31               98.791                 3.557
       32               98.889                 3.550
       33               98.987                 3.557
       34               99.085                 3.551
       35               99.183                 3.557
       36               99.281                 3.550
       37               99.380                 3.550
       38               99.478                 3.550
       39               99.576                 3.550
       40               99.674                 3.550
       41               99.772                 3.550
       42               99.870                 3.550
       43               99.968                 3.550
       44              100.000                 1.157


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =      64.2934
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =      89.9667
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2 4 - H O U R S T O R M
R U N O F F H Y D R O G R A P H

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 125.0 250.0 375.0 500.0
14.000	27.5881	58.21	. Q . V . . .
14.083	28.0080	60.96	. Q . V . . .
14.167	28.4795	68.47	. Q . V . . .
14.250	29.0236	79.01	. Q . V . . .
14.333	29.6273	87.65	. Q . V . . .
14.417	30.2682	93.06	. Q . V . . .
14.500	30.9407	97.64	. Q . V . . .
14.583	31.6418	101.80	. Q . V . . .
14.667	32.3699	105.73	. Q . V . . .
14.750	33.1243	109.54	. Q . V . . .
14.833	33.9049	113.35	. Q. V . . .
14.917	34.7122	117.21	. Q. V . . .
15.000	35.5467	121.16	. Q. V . . .
15.083	36.4094	125.26	. Q V . . .
15.167	37.3019	129.60	. Q V . . .
15.250	38.2266	134.27	. Q V . . .
15.333	39.1866	139.39	. .Q V . . .
15.417	40.1575	140.98	. .Q V . . .
15.500	41.0659	131.90	. Q V . . .
15.583	41.8695	116.68	. Q. V . . .
15.667	42.6152	108.28	. Q . V . . .
15.750	43.3806	111.14	. Q . V. . .
15.833	44.2140	121.02	. Q. V. . .
15.917	45.1754	139.59	. .Q V . . .
16.000	46.3747	174.14	. . Q V . . .
16.083	48.1979	264.72	. . .Q . . .
16.167	51.0745	417.68	. . . V . Q .
16.250	54.4218	486.04	. . . V . . Q .
16.333	57.1596	397.52	. . . V .Q . .
16.417	59.0598	275.90	. . . Q V . . .
16.500	60.6747	234.49	. . Q . V . . .
16.583	62.1858	219.41	. . Q . V . . .
16.667	63.6121	207.09	. . Q . V . . .
16.750	64.9422	193.14	. . Q . V . . .
16.833	66.1860	180.60	. . Q . V. . .
16.917	67.3536	169.54	. . Q . V. . .
17.000	68.4440	158.33	. . Q . V . . .
17.083	69.4609	147.65	. .Q . V . . .
17.167	70.3794	133.36	. Q . .V . . .
17.250	71.2006	119.24	. Q. . .V . . .
17.333	71.9435	107.87	. Q . . .V . . .
17.417	72.6370	100.69	. Q . . . V . . .
17.500	73.2883	94.57	. Q . . . V . . .
17.583	73.9025	89.19	. Q . . . V . . .
17.667	74.4836	84.37	. Q . . . . V . . .
17.750	75.0381	80.51	. Q . . . . V . . .
17.833	75.5636	76.30	. Q . . . . V . . .
17.917	76.0692	73.41	. Q . . . . V . . .
18.000	76.5546	70.48	. Q . . . . V . . .
18.083	77.0112	66.30	. Q . . . . V . . .
18.167	77.4397	62.22	. Q . . . . V . . .
18.250	77.8372	57.72	. Q . . . . V . . .
18.333	78.2047	53.37	. Q . . . . V . . .
18.417	78.5367	48.20	. Q . . . . V . . .
18.500	78.8494	45.41	. Q . . . . V . . .
18.583	79.1492	43.53	. Q . . . . V . . .
18.667	79.4381	41.95	. Q . . . . V . . .
18.750	79.7161	40.36	. Q . . . . V . . .
18.833	79.9841	38.92	. Q . . . . V . . .
18.917	80.2430	37.59	. Q . . . . V . . .
19.000	80.4939	36.43	. Q . . . . V . . .
19.083	80.7380	35.45	. Q . . . . V . . .
19.167	80.9758	34.53	. Q . . . . V . . .
19.250	81.2076	33.65	. Q . . . . V . . .
19.333	81.4335	32.80	. Q . . . . V . . .
19.417	81.6541	32.03	. Q . . . . V . . .
19.500	81.8693	31.24	. Q . . . . V . . .
19.583	82.0783	30.35	. Q . . . . V . . .
19.667	82.2764	28.77	. Q . . . . V . . .
19.750	82.4671	27.69	. Q . . . . V . . .
19.833	82.6538	27.10	. Q . . . . V . . .
19.917	82.8369	26.59	. Q . . . . V . . .
20.000	83.0164	26.06	. Q . . . . V . . .

FLOW PROCESS FROM NODE 6311.00 TO NODE 6311.00 IS CODE = 7

>>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<

FLOW PROCESS FROM NODE 6311.00 TO NODE 6311.00 IS CODE = 6

>>>>>STREAM NUMBER 2 CLEARED AND SET TO ZERO<<<<<

FLOW PROCESS FROM NODE 6311.00 TO NODE 6311.00 IS CODE = 11

>>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<

STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 1475.0 2950.0 4425.0 5900.0
14.000	405.4675	910.58	. Q V . . .
14.083	411.9441	940.41	. Q V . . .
14.167	418.7254	984.64	. Q V . . .
14.250	425.9332	1046.58	. Q .V . . .
14.333	433.6632	1122.39	. Q .V . . .
14.417	442.0229	1213.83	. Q .V . . .
14.500	451.1600	1326.71	. Q .V . . .
14.583	461.1978	1457.50	. Q.V . . .
14.667	472.1801	1594.61	. Q V . . .
14.750	484.0081	1717.44	. .QV . . .
14.833	496.5284	1817.94	. . Q . . .
14.917	509.6649	1907.43	. . QV . . .
15.000	523.3883	1992.63	. . Q . . .
15.083	537.6756	2074.52	. . VQ . . .
15.167	552.5126	2154.34	. . Q . . .
15.250	567.8931	2233.25	. . VQ . . .
15.333	583.8187	2312.40	. . Q . . .
15.417	600.2590	2387.12	. . VQ . . .
15.500	617.0992	2445.20	. . Q . . .
15.583	634.2087	2484.31	. . Q . . .

15.667	651.5239	2514.17	. . VQ . . .
15.750	668.9908	2536.19	. . Q . . .
15.833	686.4138	2529.82	. . Q . . .
15.917	703.5488	2488.01	. . Q V . . .
16.000	720.5395	2467.04	. . Q V . . .
16.083	738.4206	2596.33	. . Q V. . .
16.167	758.7119	2946.29	. . Q. . .
16.250	781.8931	3365.92	. . V Q . .
16.333	807.6943	3746.33	. . V Q . .
16.417	836.7817	4223.48	. . .V Q . .
16.500	870.7768	4936.09	. . . V . Q .
16.583	909.5608	5631.43	. . . V . Q .
16.667	950.1870	5898.92	. . . V . Q.
16.750	989.2211	5667.76	. . . V . Q .
16.833	1025.0509	5202.48	. . . V . Q .
16.917	1057.4547	4705.04	. . . V .Q .
17.000	1086.9653	4284.94	. . . VQ. .
17.083	1114.2803	3966.14	. . . Q V . .
17.167	1139.7739	3701.67	. . . Q V. .
17.250	1163.6464	3466.28	. . . Q V .
17.333	1185.9961	3245.18	. . . Q V .
17.417	1206.8950	3034.52	. . Q .V .
17.500	1226.3151	2819.79	. . Q. .V .
17.583	1244.0853	2580.25	. . Q . . V .
17.667	1260.1107	2326.88	. . Q . . V .
17.750	1274.5380	2094.84	. . Q . . V .
17.833	1287.5835	1894.21	. . Q . . V .
17.917	1299.4128	1717.62	. .Q . . V .
18.000	1310.1476	1558.68	. .Q . . V .
18.083	1319.8342	1406.50	. Q. . . V .
18.167	1328.4296	1248.04	. Q . . . V .
18.250	1336.0507	1106.58	. Q . . . V .
18.333	1343.0319	1013.67	. Q . . . V .
18.417	1349.5726	949.71	. Q . . . V .
18.500	1355.6866	887.76	. Q . . . V .
18.583	1361.3374	820.49	. Q . . . V .
18.667	1366.5759	760.64	. Q . . . V .
18.750	1371.5021	715.28	. Q . . . V .
18.833	1376.1787	679.05	. Q . . . V .
18.917	1380.6245	645.53	. Q . . . V .
19.000	1384.8478	613.21	. Q . . . V .
19.083	1388.8970	587.94	. Q . . . V .
19.167	1392.8152	568.92	. Q . . . V .
19.250	1396.6183	552.22	. Q . . . V .
19.333	1400.3215	537.71	. Q . . . V .
19.417	1403.9341	524.53	. Q . . . V .
19.500	1407.4606	512.04	. Q . . . V .
19.583	1410.9042	500.00	. Q . . . V .
19.667	1414.2626	487.64	. Q . . . V .
19.750	1417.5387	475.69	. Q . . . V .
19.833	1420.7310	463.52	. Q . . . V .
19.917	1423.8118	447.34	. Q . . . V .
20.000	1426.7561	427.51	. Q . . . V .
20.083	1429.6013	413.13	. Q . . . V .
20.167	1432.3898	404.89	. Q . . . V .
20.250	1435.1272	397.48	. Q . . . V .
20.333	1437.8130	389.98	. Q . . . V .
20.417	1440.4471	382.48	. Q . . . V .
20.500	1443.0323	375.38	. Q . . . V .
20.583	1445.5707	368.56	. Q . . . V .
20.667	1448.0643	362.07	. Q . . . V .
20.750	1450.5150	355.84	. Q . . . V .
20.833	1452.9244	349.85	. Q . . . V .
20.917	1455.2953	344.24	. Q . . . V .
21.000	1457.6317	339.24	. Q . . . V .
21.083	1459.9365	334.66	. Q . . . V .

21.167	1462.2111	330.26	. Q . . . V .
21.250	1464.4564	326.03	. Q . . . V .
21.333	1466.6738	321.97	. Q . . . V .
21.417	1468.8643	318.05	. Q . . . V .
21.500	1471.0287	314.27	. Q . . . V .
21.583	1473.1680	310.62	. Q . . . V .
21.667	1475.2828	307.07	. Q . . . V .
21.750	1477.3740	303.64	. Q . . . V .
21.833	1479.4421	300.29	. Q . . . V .
21.917	1481.4880	297.07	. Q . . . V .
22.000	1483.5129	294.01	.Q . . . V .
22.083	1485.5175	291.06	.Q . . . V .
22.167	1487.5023	288.20	.Q . . . V .
22.250	1489.4679	285.41	.Q . . . V .
22.333	1491.4148	282.69	.Q . . . V .
22.417	1493.3434	280.04	.Q . . . V .
22.500	1495.2542	277.45	.Q . . . V .
22.583	1497.1476	274.93	.Q . . . V .
22.667	1499.0240	272.47	.Q . . . V .
22.750	1500.8839	270.06	.Q . . . V .
22.833	1502.7277	267.71	.Q . . . V.
22.917	1504.5555	265.41	.Q . . . V.
23.000	1506.3680	263.17	.Q . . . V.
23.083	1508.1654	260.97	.Q . . . V.
23.167	1509.9480	258.82	.Q . . . V.
23.250	1511.7161	256.72	.Q . . . V.
23.333	1513.4700	254.66	.Q . . . V.
23.417	1515.2100	252.65	.Q . . . V.
23.500	1516.9364	250.68	.Q . . . V.
23.583	1518.6495	248.75	.Q . . . V.
23.667	1520.3496	246.85	.Q . . . V.
23.750	1522.0370	245.00	.Q . . . V.
23.833	1523.7118	243.18	.Q . . . V.
23.917	1525.3743	241.40	.Q . . . V.
24.000	1527.0248	239.65	.Q . . . V.
24.083	1528.6538	236.54	.Q . . . V.
24.167	1530.2323	229.19	.Q . . . V.
24.250	1531.7296	217.41	.Q . . . V.
24.333	1533.1290	203.19	.Q . . . V.
24.417	1534.4065	185.49	.Q . . . V.
24.500	1535.4867	156.84	.Q . . . V.
24.583	1536.3101	119.56	Q . . . V.
24.667	1536.9402	91.50	Q . . . V.
24.750	1537.4612	75.64	Q . . . V.
24.833	1537.9003	63.76	Q . . . V.
24.917	1538.2734	54.19	Q . . . V.
25.000	1538.5922	46.28	Q . . . V.
25.083	1538.8645	39.55	Q . . . V.
25.167	1539.0969	33.74	Q . . . V.
25.250	1539.2953	28.79	Q . . . V.
25.333	1539.4645	24.57	Q . . . V.
25.417	1539.6083	20.87	Q . . . V.
25.500	1539.7291	17.55	Q . . . V.
25.583	1539.8306	14.72	Q . . . V.
25.667	1539.9154	12.32	Q . . . V.
25.750	1539.9862	10.29	Q . . . V.
25.833	1540.0458	8.65	Q . . . V.
25.917	1540.0962	7.32	Q . . . V.
26.000	1540.1378	6.05	Q . . . V.
26.083	1540.1729	5.09	Q . . . V.
26.167	1540.2048	4.64	Q . . . V.
26.250	1540.2350	4.37	Q . . . V.
26.333	1540.2632	4.09	Q . . . V.
26.417	1540.2898	3.86	Q . . . V.
26.500	1540.3148	3.63	Q . . . V.
26.583	1540.3383	3.40	Q . . . V.

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  26.667   1540.3601      3.17  Q         .         .         .         V.
  26.750   1540.3804      2.95  Q         .         .         .         V.
  26.833   1540.3992      2.73  Q         .         .         .         V.
  26.917   1540.4164      2.50  Q         .         .         .         V.
  27.000   1540.4321      2.28  Q         .         .         .         V.
  27.083   1540.4464      2.07  Q         .         .         .         V.
  27.167   1540.4591      1.85  Q         .         .         .         V.
  27.250   1540.4703      1.63  Q         .         .         .         V.
  27.333   1540.4801      1.42  Q         .         .         .         V.
  27.417   1540.4884      1.21  Q         .         .         .         V.
  27.500   1540.4952      1.00  Q         .         .         .         V.
  27.583   1540.5006      0.79  Q         .         .         .         V.
  27.667   1540.5046      0.59  Q         .         .         .         V.
  27.750   1540.5073      0.40  Q         .         .         .         V.
  27.833   1540.5088      0.21  Q         .         .         .         V.
  27.917   1540.5092      0.06  Q         .         .         .         V.
  28.000   1540.5092      0.00  Q         .         .         .         V.


****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE = 5.2
----------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
============================================================================

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     382.00
           DOWNSTREAM ELEVATION(FT) =     375.00
           CHANNEL LENGTH(FT) =    1141.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  5898.92
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  4338.41
           CHANNEL NORMAL VELOCITY FOR Q =  4338.41 CFS =  10.60 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.862

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.993


         CONVEX METHOD CHANNEL ROUTING RESULTS:
                                          OUTFLOW LESS
          MODEL        INFLOW     ROUTED      LOSS
           TIME      (STREAM 1)    FLOW     (STREAM 1)
          (HRS)        (CFS)       (CFS)      (CFS)
          14.000       910.58      902.71      902.71
          14.083       940.41      930.98      930.98
          14.167       984.64      970.67      970.67
          14.250      1046.58     1027.01     1027.01
          14.333      1122.39     1098.42     1098.42
          14.417      1213.83     1184.92     1184.92
          14.500      1326.71     1291.03     1291.03
          14.583      1457.50     1416.14     1416.14
          14.667      1594.61     1551.23     1551.23
          14.750      1717.44     1678.53     1678.53
          14.833      1817.94     1786.08     1786.08
          14.917      1907.43     1879.08     1879.08
          15.000      1992.63     1965.65     1965.65
          15.083      2074.52     2048.59     2048.59
          15.167      2154.34     2129.07     2129.07
          15.250      2233.25     2208.27     2208.27
          15.333      2312.40     2287.34     2287.34
          15.417      2387.12     2363.46     2363.46
          15.500      2445.20     2426.78     2426.78
          15.583      2484.31     2471.89     2471.89
          15.667      2514.17     2504.69     2504.69
          15.750      2536.19     2529.20     2529.20
          15.833      2529.82     2531.77     2531.77
          15.917      2488.01     2501.16     2501.16
          16.000      2467.04     2473.73     2473.73
          16.083      2596.33     2555.75     2555.75
          16.167      2946.29     2836.03     2836.03
          16.250      3365.92     3233.26     3233.26
          16.333      3746.33     3625.83     3625.83
          16.417      4223.48     4072.67     4072.67
          16.500      4936.09     4711.07     4711.07
          16.583      5631.43     5411.30     5411.30
          16.667      5898.92     5813.27     5813.27
          16.750      5667.76     5739.78     5739.78
          16.833      5202.48     5349.21     5349.21
          16.917      4705.04     4862.41     4862.41
          17.000      4284.94     4418.09     4418.09
          17.083      3966.14     4067.28     4067.28
          17.167      3701.67     3785.51     3785.51
          17.250      3466.28     3540.86     3540.86
          17.333      3245.18     3315.20     3315.20
          17.417      3034.52     3101.22     3101.22
          17.500      2819.79     2887.75     2887.75
          17.583      2580.25     2656.01     2656.01
          17.667      2326.88     2407.05     2407.05
          17.750      2094.84     2168.34     2168.34
          17.833      1894.21     1957.79     1957.79
          17.917      1717.62     1773.57     1773.57
          18.000      1558.68     1609.03     1609.03
          18.083      1406.50     1454.68     1454.68
          18.167      1248.04     1298.18     1298.18
          18.250      1106.58     1151.40     1151.40
          18.333      1013.67     1043.19     1043.19
          18.417       949.71      970.02      970.02
          18.500       887.76      907.37      907.37
          18.583       820.49      841.77      841.77
          18.667       760.64      779.60      779.60
          18.750       715.28      729.67      729.67
          18.833       679.05      690.54      690.54
          18.917       645.53      656.15      656.15
          19.000       613.21      623.45      623.45
          19.083       587.94      595.95      595.95
          19.167       568.92      574.96      574.96
          19.250       552.22      557.51      557.51
          19.333       537.71      542.31      542.31
          19.417       524.53      528.71      528.71
          19.500       512.04      516.00      516.00
          19.583       500.00      503.82      503.82
          19.667       487.64      491.55      491.55
          19.750       475.69      479.47      479.47
          19.833       463.52      467.37      467.37
          19.917       447.34      452.45      452.45
          20.000       427.51      433.78      433.78
============================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1540.509 AF
    OUTFLOW VOLUME =   1540.509 AF
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    LOSS    VOLUME =      0.000 AF


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  FLOW PROCESS FROM NODE   6320.00 TO NODE   6330.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
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      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     300.700 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.290 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.240
         LOW LOSS FRACTION = 0.430
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.727
          30-MINUTE FACTOR = 0.727
           1-HOUR FACTOR = 0.727
           3-HOUR FACTOR = 0.955
           6-HOUR FACTOR = 0.976
          24-HOUR FACTOR = 0.985

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  28.736


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


============================================================================
                     UNIT HYDROGRAPH DETERMINATION

----------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER         MEAN VALUES          ORDINATES(CFS)
----------------------------------------------------------------------------
        1               3.181              115.682
        2              14.148              398.807
        3              32.649              672.813
        4              49.391              608.859
        5              59.445              365.623
        6              65.754              229.414
        7              70.572              175.227
        8              74.508              143.109
        9              77.679              115.331
       10              80.307               95.584
       11              82.561               81.961
       12              84.486               69.998
       13              86.124               59.571
       14              87.475               49.137
       15              88.623               41.748
       16              89.558               33.981
       17              90.435               31.907
       18              91.248               29.581
       19              92.036               28.658
       20              92.761               26.336
       21              93.465               25.630
       22              94.104               23.223
       23              94.697               21.573
       24              95.280               21.195
       25              95.767               17.699
       26              96.231               16.876
       27              96.695               16.868
       28              97.112               15.192
       29              97.431               11.595
       30              97.741               11.275
       31              98.051               11.279
       32              98.361               11.271
       33              98.547                6.740
       34              98.632                3.085
       35              98.716                3.070
       36              98.801                3.077
       37              98.885                3.077
       38              98.970                3.077
       39              99.054                3.077
       40              99.139                3.077
       41              99.224                3.085
       42              99.308                3.070
       43              99.393                3.070
       44              99.477                3.070
       45              99.562                3.070
       46              99.646                3.070
       47              99.730                3.070
       48              99.815                3.070
       49              99.899                3.070
       50              99.984                3.070
       51             100.000                0.594


----------------------------------------------------------------------------
    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =      56.7124
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =      98.2652
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                    2 4 - H O U R    S T O R M
                  R U N O F F    H Y D R O G R A P H

================================================================================
            HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
       (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      125.0     250.0     375.0     500.0
--------------------------------------------------------------------------------
  14.000     31.2408     65.69  .    Q    . V       .         .         .
  14.083     31.7104     68.19  .    Q    . V       .         .         .
  14.167     32.2195     73.92  .    Q    .  V      .         .         .
  14.250     32.7901     82.85  .     Q   .  V      .         .         .
  14.333     33.4185     91.25  .      Q  .  V      .         .         .
  14.417     34.0875     97.14  .      Q  .  V      .         .         .
  14.500     34.7879    101.69  .       Q .   V     .         .         .
  14.583     35.5166    105.81  .       Q .   V     .         .         .
  14.667     36.2723    109.72  .       Q .   V     .         .         .
  14.750     37.0540    113.50  .        Q.    V    .         .         .
  14.833     37.8614    117.23  .        Q.    V    .         .         .
  14.917     38.6950    121.04  .        Q.    V    .         .         .
  15.000     39.5554    124.94  .        Q.     V   .         .         .
  15.083     40.4439    129.01  .         Q     V   .         .         .
  15.167     41.3617    133.26  .         Q     V   .         .         .
  15.250     42.3108    137.81  .         .Q     V  .         .         .
  15.333     43.2935    142.68  .         .Q     V  .         .         .
  15.417     44.2912    144.87  .         .Q      V .         .         .
  15.500     45.2533    139.71  .         .Q      V .         .         .
  15.583     46.1323    127.62  .         Q       V .         .         .
  15.667     46.9466    118.24  .        Q.        V.         .         .
  15.750     47.7585    117.90  .        Q.        V.         .         .
  15.833     48.6211    125.24  .         Q        V.         .         .
  15.917     49.5930    141.13  .         .Q        V         .         .
  16.000     50.7667    170.41  .          . Q      V         .         .
  16.083     52.4713    247.51  .          .       Q.V        .         .
  16.167     55.0192    369.95  .          .         . V      Q.        .
  16.250     58.1823    459.29  .          .         .  V       .     Q   .
  16.333     61.0424    415.28  .          .          .  V      .  Q      .
  16.417     63.1729    309.34  .          .          .  QV     .         .
  16.500     64.8841    248.47  .          .        Q.     V   .         .
  16.583     66.4546    228.04  .          .       Q .      V  .         .
  16.667     67.9533    217.61  .          .      Q  .      V  .         .
  16.750     69.3615    204.46  .          .     Q   .       V .         .
  16.833     70.6833    191.94  .          .    Q    .       V .         .
  16.917     71.9320    181.31  .          .   Q     .        V.         .
  17.000     73.1129    171.47  .          .  Q      .        V.         .
  17.083     74.2216    160.98  .          . Q       .         V         .
  17.167     75.2395    147.80  .          .Q        .         V         .
  17.250     76.1569    133.20  .          Q         .          .V       .
  17.333     76.9837    120.05  .         Q.         .          .V       .
  17.417     77.7554    112.06  .        Q .         .          .V       .
  17.500     78.4846    105.87  .        Q .         .          .V       .
  17.583     79.1793    100.87  .        Q .         .          . V      .
  17.667     79.8401     95.94  .       Q  .         .          . V      .
  17.750     80.4738     92.02  .       Q  .         .          . V      .
  17.833     81.0797     87.97  .       Q  .         .          .  V     .
  17.917     81.6611     84.43  .      Q   .         .          .  V     .
  18.000     82.2219     81.43  .      Q   .         .          .  V     .
  18.083     82.7555     77.48  .      Q   .         .          .  V     .
  18.167     83.2629     73.68  .    Q     .         .          .  V     .
  18.250     83.7396     69.21  .    Q     .         .          .   V    .
  18.333     84.1841     64.55  .    Q     .         .          .   V    .
  18.417     84.5991     60.25  .   Q      .         .          .   V    .
  18.500     84.9959     57.62  .   Q      .         .          .   V    .
  18.583     85.3769     55.32  .   Q      .         .          .   V    .
  18.667     85.7415     52.94  .   Q      .         .          .   V    .
  18.750     86.0806     49.24  .  Q       .         .          .    V   .
  18.833     86.3988     46.20  .  Q       .         .          .    V   .
  18.917     86.7062     44.63  .  Q       .         .          .    V   .
  19.000     87.0045     43.32  .  Q       .         .          .    V   .
  19.083     87.2942     42.05  .  Q       .         .          .    V   .
  19.167     87.5752     40.80  .  Q       .         .          .    V   .
  19.250     87.8482     39.64  .  Q       .         .          .    V   .
  19.333     88.1139     38.58  .  Q       .         .          .    V   .
  19.417     88.3728     37.60  .  Q       .         .          .    V   .
  19.500     88.6254     36.67  . Q        .         .          .     V  .
  19.583     88.8722     35.84  . Q        .         .          .     V  .
  19.667     89.1138     35.07  . Q        .         .          .     V  .
  19.750     89.3504     34.36  . Q        .         .          .     V  .
  19.833     89.5827     33.72  . Q        .         .          .     V  .
  19.917     89.8105     33.08  . Q        .         .          .     V  .
  20.000     90.0339     32.43  . Q        .         .          .     V  .


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   6
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 CLEARED AND SET TO ZERO<<<<<
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
       (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1525.0    3050.0    4575.0    6100.0
--------------------------------------------------------------------------------
  14.000    434.7236    968.40  .     Q   V         .         .         .
  14.083    441.6049    999.16  .     Q   V         .         .         .
  14.167    448.7991   1044.59  .     Q   V         .         .         .
  14.250    456.4427   1109.86  .      Q  .V        .         .         .
  14.333    464.6361   1189.67  .      Q  .V        .         .         .
  14.417    473.4657   1282.06  .       Q .V        .         .         .
  14.500    483.0575   1392.72  .        Q.V        .         .         .
  14.583    493.5392   1521.95  .        Q. V       .         .         .
  14.667    504.9783   1660.95  .         Q V       .         .         .
  14.750    517.3201   1792.03  .         .QV       .         .         .
  14.833    530.4283   1903.32  .         . Q       .         .         .
  14.917    544.2032   2000.12  .          . Q      .         .         .
  15.000    558.6013   2090.59  .          . Q      .         .         .
  15.083    573.5985   2177.60  .          .  Q     .         .         .
  15.167    589.1793   2262.33  .          .  Q     .         .         .
  15.250    605.3369   2346.08  .          .  VQ    .         .         .
  15.333    622.0726   2430.03  .          .   Q    .         .         .
  15.417    639.3475   2508.33  .          .   VQ   .         .         .
  15.500    657.0231   2566.49  .          .    Q   .         .         .
  15.583    674.9260   2599.50  .          .    VQ  .         .         .
```

15.667	692.9902	2622.93	. . VQ . . .
15.750	711.2209	2647.10	. . Q . . .
15.833	729.5199	2657.01	. . Q . . .
15.917	747.7175	2642.29	. . QV . . .
16.000	765.9279	2644.14	. . QV . . .
16.083	785.2341	2803.26	. . QV. . .
16.167	807.3138	3205.99	. . V.Q . .
16.250	832.7446	3692.55	. . V Q . .
16.333	860.5760	4041.12	. . .V Q . .
16.417	890.7552	4382.01	. . .V Q . .
16.500	924.9118	4959.54	. . . V . Q .
16.583	963.7502	5639.34	. . . V . Q .
16.667	1005.2852	6030.88	. . . V . Q.
16.750	1046.2235	5944.24	. . . V . Q .
16.833	1084.3856	5541.15	. . . V . Q .
16.917	1119.1219	5043.72	. . . V . Q .
17.000	1150.7305	4589.56	. . . V Q .
17.083	1179.8507	4228.26	. . . QV . .
17.167	1206.9396	3933.31	. . . Q V. .
17.250	1232.2430	3674.06	. . . Q V .
17.333	1255.9017	3435.25	. . . Q V .
17.417	1278.0317	3213.28	. . .Q .V .
17.500	1298.6489	2993.61	. . Q. .V .
17.583	1317.6357	2756.89	. . Q . . V .
17.667	1334.8739	2502.99	. . Q . . V .
17.750	1350.4412	2260.36	. . Q . . V .
17.833	1364.5304	2045.76	. . Q . . V .
17.917	1377.3265	1858.00	. . Q . . V .
18.000	1388.9688	1690.46	. .Q . . V .
18.083	1399.5209	1532.16	. Q . . V .
18.167	1408.9689	1371.86	. Q . . V .
18.250	1417.3752	1220.60	. Q . . V .
18.333	1425.0043	1107.74	. Q . . V .
18.417	1432.0999	1030.28	. Q . . V .
18.500	1438.7458	964.99	. Q . . V .
18.583	1444.9241	897.08	. Q . . V .
18.667	1450.6578	832.54	. Q . . V .
18.750	1456.0222	778.91	. Q . . V .
18.833	1461.0962	736.74	. Q . . V .
18.917	1465.9225	700.78	. Q . . V .
19.000	1470.5145	666.76	. Q . . V .
19.083	1474.9086	638.01	. Q . . V .
19.167	1479.1493	615.76	. Q . . V .
19.250	1483.2620	597.15	. Q . . V .
19.333	1487.2626	580.89	. Q . . V .
19.417	1491.1628	566.31	. Q . . V .
19.500	1494.9691	552.67	. Q . . V .
19.583	1498.6858	539.66	. Q . . V .
19.667	1502.3126	526.62	. Q . . V .
19.750	1505.8514	513.83	. Q . . V .
19.833	1509.3025	501.09	. Q . . V .
19.917	1512.6464	485.53	. Q . . V .
20.000	1515.8572	466.21	. Q . . V .
20.083	1518.9524	449.43	. Q . . V .
20.167	1521.9722	438.46	. Q . . V .
20.250	1524.9287	429.29	. Q . . V .
20.333	1527.8282	421.02	. Q . . V .
20.417	1530.6727	413.02	. Q . . V .
20.500	1533.4644	405.34	. Q . . V .
20.583	1536.2051	397.95	. Q . . V .
20.667	1538.8971	390.88	. Q . . V .
20.750	1541.5426	384.12	. Q . . V .
20.833	1544.1434	377.65	. Q . . V .
20.917	1546.7021	371.53	. Q . . V .
21.000	1549.2225	365.96	. Q . . V .
21.083	1551.7080	360.88	. Q . . V .
21.167	1554.1604	356.08	. Q . . V .
21.250	1556.5812	351.49	. Q . . V .
21.333	1558.9716	347.08	. Q . . V .
21.417	1561.3326	342.83	. Q . . V .
21.500	1563.6655	338.73	. Q . . V .
21.583	1565.9711	334.77	. Q . . V .
21.667	1568.2502	330.93	. Q . . V .
21.750	1570.5038	327.21	. Q . . V .
21.833	1572.7324	323.59	. Q . . V .
21.917	1574.9369	320.10	. Q . . V .
22.000	1577.1184	316.75	. Q . . V .
22.083	1579.2778	313.54	. Q . . V .
22.167	1581.4158	310.43	. Q . . V .
22.250	1583.5330	307.41	. Q . . V .
22.333	1585.6299	304.47	.Q . . V .
22.417	1587.7070	301.61	.Q . . V .
22.500	1589.7650	298.81	.Q . . V .
22.583	1591.8042	296.09	.Q . . V .
22.667	1593.8251	293.42	.Q . . V .
22.750	1595.8280	290.82	.Q . . V .
22.833	1597.8135	288.29	.Q . . V.
22.917	1599.7819	285.81	.Q . . V.
23.000	1601.7335	283.38	.Q . . V.
23.083	1603.6688	281.01	.Q . . V.
23.167	1605.5881	278.69	.Q . . V.
23.250	1607.4918	276.42	.Q . . V.
23.333	1609.3802	274.20	.Q . . V.
23.417	1611.2537	272.02	.Q . . V.
23.500	1613.1124	269.89	.Q . . V.
23.583	1614.9568	267.81	.Q . . V.
23.667	1616.7871	265.76	.Q . . V.
23.750	1618.6036	263.76	.Q . . V.
23.833	1620.4066	261.80	.Q . . V.
23.917	1622.1964	259.87	.Q . . V.
24.000	1623.9731	257.98	.Q . . V.
24.083	1625.7269	254.64	.Q . . V.
24.167	1627.4257	246.66	.Q . . V.
24.250	1629.0308	233.06	.Q . . V.
24.333	1630.5233	216.72	.Q . . V.
24.417	1631.8894	198.36	.Q . . V.
24.500	1633.0742	172.04	.Q . . V.
24.583	1634.0153	136.64	Q . . V.
24.667	1634.7384	105.00	Q . . V.
24.750	1635.3219	84.73	Q . . V.
24.833	1635.8115	71.10	Q . . V.
24.917	1636.2274	60.38	Q . . V.
25.000	1636.5828	51.60	Q . . V.
25.083	1636.8872	44.20	Q . . V.
25.167	1637.1479	37.85	Q . . V.
25.250	1637.3712	32.42	Q . . V.
25.333	1637.5626	27.79	Q . . V.
25.417	1637.7263	23.77	Q . . V.
25.500	1637.8652	20.18	Q . . V.
25.583	1637.9827	17.05	Q . . V.
25.667	1638.0818	14.39	Q . . V.
25.750	1638.1652	12.11	Q . . V.
25.833	1638.2356	10.23	Q . . V.
25.917	1638.2954	8.69	Q . . V.
26.000	1638.3457	7.29	Q . . V.
26.083	1638.3881	6.15	Q . . V.
26.167	1638.4257	5.46	Q . . V.
26.250	1638.4604	5.05	Q . . V.
26.333	1638.4928	4.70	Q . . V.
26.417	1638.5231	4.39	Q . . V.
26.500	1638.5514	4.10	Q . . V.
26.583	1638.5778	3.82	Q . . V.

26.667	1638.6022	3.54	Q	.	.	.	V.
26.750	1638.6248	3.28	Q	.	.	.	V.
26.833	1638.6458	3.04	Q	.	.	.	V.
26.917	1638.6650	2.80	Q	.	.	.	V.
27.000	1638.6827	2.57	Q	.	.	.	V.
27.083	1638.6989	2.33	Q	.	.	.	V.
27.167	1638.7133	2.10	Q	.	.	.	V.
27.250	1638.7261	1.87	Q	.	.	.	V.
27.333	1638.7373	1.64	Q	.	.	.	V.
27.417	1638.7471	1.41	Q	.	.	.	V.
27.500	1638.7552	1.18	Q	.	.	.	V.
27.583	1638.7618	0.96	Q	.	.	.	V.
27.667	1638.7670	0.74	Q	.	.	.	V.
27.750	1638.7706	0.53	Q	.	.	.	V.
27.833	1638.7728	0.33	Q	.	.	.	V.
27.917	1638.7738	0.14	Q	.	.	.	V.
28.000	1638.7742	0.05	Q	.	.	.	V
28.083	1638.7743	0.02	Q	.	.	.	V
28.167	1638.7743	0.00	Q	.	.	.	V

****
FLOW PROCESS FROM NODE 6330.00 TO NODE 6355.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
==========

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 30.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 375.00
DOWNSTREAM ELEVATION(FT) = 314.00
CHANNEL LENGTH(FT) = 6086.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 6030.88
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 4472.14
CHANNEL NORMAL VELOCITY FOR Q = 4472.14 CFS = 12.72 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.882

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.822

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	968.40	926.97	926.97
14.083	999.16	952.38	952.38
14.167	1044.59	980.56	980.56
14.250	1109.86	1018.02	1018.02
14.333	1189.67	1071.70	1071.70
14.417	1282.06	1142.01	1142.01
14.500	1392.72	1226.26	1226.26
14.583	1521.95	1326.12	1326.12
14.667	1660.95	1443.91	1443.91
14.750	1792.03	1575.87	1575.87
14.833	1903.32	1709.76	1709.76
14.917	2000.12	1831.68	1831.68
15.000	2090.59	1937.79	1937.79
15.083	2177.60	2033.16	2033.16
15.167	2262.33	2122.82	2122.82
15.250	2346.08	2209.18	2209.18
15.333	2430.03	2293.73	2293.73
15.417	2508.33	2377.72	2377.72
15.500	2566.49	2458.92	2458.92
15.583	2599.50	2527.91	2527.91
15.667	2622.93	2575.73	2575.73
15.750	2647.10	2606.70	2606.70
15.833	2657.01	2631.83	2631.83
15.917	2642.29	2649.22	2649.22
16.000	2644.14	2648.44	2648.44
16.083	2803.26	2644.29	2644.29
16.167	3205.99	2721.79	2721.79
16.250	3692.55	2985.24	2985.24
16.333	4041.12	3404.07	3404.07
16.417	4382.01	3811.26	3811.26
16.500	4959.54	4166.52	4166.52
16.583	5639.34	4625.42	4625.42
16.667	6030.88	5231.73	5231.73
16.750	5944.24	5757.82	5757.82
16.833	5541.15	5940.02	5940.02
16.917	5043.72	5746.84	5746.84
17.000	4589.56	5335.08	5335.08
17.083	4228.26	4874.00	4874.00
17.167	3933.31	4463.91	4463.91
17.250	3674.06	4126.30	4126.30
17.333	3435.25	3841.18	3841.18
17.417	3213.28	3587.29	3587.29
17.500	2993.61	3354.02	3354.02
17.583	2756.89	3131.16	3131.16
17.667	2502.99	2902.60	2902.60
17.750	2260.36	2658.95	2658.95
17.833	2045.76	2412.38	2412.38
17.917	1858.00	2182.72	2182.72
18.000	1690.46	1978.53	1978.53
18.083	1532.16	1797.71	1797.71
18.167	1371.86	1632.32	1632.32
18.250	1220.60	1471.78	1471.78
18.333	1107.74	1315.85	1315.85
18.417	1030.28	1182.49	1182.49
18.500	964.99	1083.25	1083.25
18.583	897.08	1007.85	1007.85
18.667	832.54	939.49	939.49
18.750	778.91	873.14	873.14
18.833	736.74	813.60	813.60
18.917	700.78	764.51	764.51
19.000	666.76	724.14	724.14
19.083	638.01	688.34	688.34
19.167	615.76	656.57	656.57
19.250	597.15	630.46	630.46
19.333	580.89	609.30	609.30
19.417	566.31	591.38	591.38
19.500	552.67	575.64	575.64
19.583	539.66	561.32	561.32
19.667	526.62	547.86	547.86
19.750	513.83	534.76	534.76
19.833	501.09	521.83	521.83
19.917	485.53	509.04	509.04
20.000	466.21	494.92	494.92

==========
PROCESS SUMMARY OF STORAGE:

```
    INFLOW  VOLUME =   1638.774 AF
    OUTFLOW VOLUME =   1638.774 AF
    LOSS    VOLUME =      0.000 AF


****************************************************************************
  FLOW PROCESS FROM NODE   6340.00 TO NODE   6355.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
============================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     697.900 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.340 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.210
         LOW LOSS FRACTION = 0.450
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.727
          30-MINUTE FACTOR = 0.727
           1-HOUR FACTOR = 0.727
           3-HOUR FACTOR = 0.955
           6-HOUR FACTOR = 0.976
          24-HOUR FACTOR = 0.985

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  24.510


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


============================================================================
                      UNIT HYDROGRAPH DETERMINATION

----------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
----------------------------------------------------------------------------
        1                1.545               130.419
        2                7.337               488.804
        3               20.261              1090.852
        4               37.173              1427.448
        5               57.561              1720.753
        6               73.834              1373.504
        7               84.155               871.070
        8               90.157               506.624
        9               93.846               311.340
       10               95.934               176.209
       11               96.823                75.053
       12               97.453                53.201
       13               98.047                50.140
       14               98.563                43.554
       15               98.877                26.445
       16               99.042                13.975
       17               99.137                 8.025
       18               99.206                 5.797
       19               99.261                 4.649
       20               99.315                 4.546
       21               99.365                 4.228
       22               99.414                 4.161
       23               99.461                 3.902
       24               99.505                 3.743
       25               99.548                 3.674
       26               99.587                 3.272
       27               99.625                 3.204
       28               99.663                 3.169
       29               99.695                 2.719
       30               99.726                 2.582
       31               99.756                 2.583
       32               99.787                 2.570
       33               99.813                 2.195
       34               99.830                 1.492
       35               99.848                 1.489
       36               99.866                 1.488
       37               99.883                 1.487
       38               99.899                 1.328
       39               99.905                 0.518
       40               99.910                 0.406
       41               99.915                 0.406
       42               99.919                 0.404
       43               99.924                 0.406
       44               99.929                 0.406
       45               99.934                 0.405
       46               99.939                 0.408
       47               99.944                 0.405
       48               99.948                 0.408
       49               99.953                 0.404
       50               99.958                 0.405
       51               99.963                 0.405
       52               99.968                 0.405
       53               99.972                 0.405
       54               99.977                 0.404
       55               99.982                 0.405
       56               99.987                 0.405
       57               99.992                 0.405
       58               99.996                 0.405
       59              100.000                 0.311

----------------------------------------------------------------------------
    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     130.7956
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     228.8943
----------------------------------------------------------------------------
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================================================================================

                    2 4 - H O U R    S T O R M
                  R U N O F F    H Y D R O G R A P H

================================================================================
            HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
       (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      300.0     600.0     900.0    1200.0
--------------------------------------------------------------------------------
  14.000     71.5275    151.07  .    Q    . V       .         .         .
  14.083     72.5995    155.66  .    Q    . V       .         .         .
  14.167     73.7394    165.51  .    Q    . V       .         .         .
  14.250     75.0088    184.32  .     Q   .  V      .         .         .
  14.333     76.4434    208.30  .     Q   .  V      .         .         .
  14.417     78.0759    237.04  .      Q  .  V      .         .         .
  14.500     79.8755    261.30  .       Q .  V     .         .         .
  14.583     81.7970    279.00  .        Q.   V     .         .         .
  14.667     83.8071    291.88  .        Q.   V     .         .         .
  14.750     85.8906    302.53  .         Q    V    .         .         .
  14.833     88.0367    311.60  .         Q    V    .         .         .
  14.917     90.2395    319.86  .         Q    V    .         .         .
  15.000     92.5000    328.22  .         Q     V   .         .         .
  15.083     94.8232    337.32  .         .Q    V   .         .         .
  15.167     97.2122    346.89  .         .Q    V   .         .         .
  15.250     99.6724    357.22  .         .Q     V  .         .         .
  15.333    102.2081    368.18  .         . Q    V  .         .         .
  15.417    104.8014    376.54  .         . Q     V .         .         .
  15.500    107.3865    375.35  .         . Q     V .         .         .
  15.583    109.8552    358.46  .         .Q       V.         .         .
  15.667    112.1574    334.28  .         .Q       V.         .         .
  15.750    114.2686    306.55  .         Q        V.         .         .
  15.833    116.3079    296.10  .        Q.         V         .         .
  15.917    118.4688    313.77  .         Q         V         .         .
  16.000    120.9683    362.93  .         . Q       .V        .         .
  16.083    124.3170    486.22  .         .     Q   .V        .         .
  16.167    129.1127    696.33  .         .         . VQ      .         .
  16.250    135.7515    963.96  .         .         .  V      . Q       .
  16.333    143.3485   1103.09  .         .         .    V    .     Q   .
  16.417    151.3331   1159.36  .         .         .     V   .       Q .
  16.500    158.0660    977.61  .         .         .      V  . Q       .
  16.583    163.2366    750.78  .         .         .    Q  V .         .
  16.667    167.2896    588.50  .         .       Q.        V.         .
  16.750    170.7721    505.66  .         .     Q   .        V.         .
  16.833    173.8614    448.56  .         .   Q     .         V         .
  16.917    176.6331    402.45  .         .  Q      .         V         .
  17.000    179.2557    380.79  .         . Q       .         .V        .
  17.083    181.7599    363.62  .         . Q       .         .V        .
  17.167    184.0983    339.54  .         .Q        .         . V       .
  17.250    186.1874    303.34  .         Q         .         . V       .
  17.333    188.0195    266.01  .       Q .         .         . V       .
  17.417    189.5980    229.20  .      Q  .         .         .  V      .
  17.500    190.9803    200.71  .     Q   .         .         .  V      .
  17.583    192.2268    180.99  .     Q   .         .         .  V      .
  17.667    193.3814    167.65  .    Q    .         .         .  V      .
  17.750    194.4678    157.74  .    Q    .         .         .  V      .
  17.833    195.5038    150.42  .    Q    .         .         .   V     .
  17.917    196.5020    144.94  .   Q     .         .         .   V     .
  18.000    197.4674    140.19  .   Q     .         .         .   V     .
  18.083    198.3998    135.39  .   Q     .         .         .   V     .
  18.167    199.2929    129.68  .   Q     .         .         .   V     .
  18.250    200.1368    122.53  .   Q     .         .         .   V     .
  18.333    200.9263    114.64  .  Q      .         .         .    V    .
  18.417    201.6559    105.93  .  Q      .         .         .    V    .
  18.500    202.3358     98.72  .  Q      .         .         .    V    .
  18.583    202.9795     93.47  .  Q      .         .         .    V    .
  18.667    203.5964     89.57  . Q       .         .         .    V    .
  18.750    204.1909     86.32  . Q       .         .         .    V    .
  18.833    204.7665     83.58  . Q       .         .         .    V    .
  18.917    205.3279     81.51  . Q       .         .         .    V    .
  19.000    205.8763     79.62  . Q       .         .         .    V    .
  19.083    206.4120     77.80  . Q       .         .         .     V   .
  19.167    206.9354     75.99  . Q       .         .         .     V   .
  19.250    207.4459     74.13  . Q       .         .         .     V   .
  19.333    207.9462     72.63  . Q       .         .         .     V   .
  19.417    208.4371     71.29  . Q       .         .         .     V   .
  19.500    208.9194     70.02  . Q       .         .         .     V   .
  19.583    209.3931     68.79  . Q       .         .         .     V   .
  19.667    209.8587     67.61  . Q       .         .         .     V   .
  19.750    210.3166     66.48  . Q       .         .         .     V   .
  19.833    210.7671     65.41  . Q       .         .         .     V   .
  19.917    211.2105     64.39  . Q       .         .         .     V   .
  20.000    211.6472     63.40  . Q       .         .         .     V   .


********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
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********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =   6
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 CLEARED AND SET TO ZERO<<<<<
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
       (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1600.0    3200.0    4800.0    6400.0
--------------------------------------------------------------------------------
  14.000    495.5606   1078.04  .     Q   V         .         .         .
  14.083    503.1917   1108.04  .     Q   V         .         .         .
  14.167    511.0847   1146.07  .      Q  V         .         .         .
  14.250    519.3653   1202.34  .      Q  .V        .         .         .
  14.333    528.1807   1280.00  .       Q .V        .         .         .
  14.417    537.6783   1379.05  .       Q .V        .         .         .
  14.500    547.9233   1487.56  .        Q.V        .         .         .
  14.583    558.9778   1605.12  .         QV        .         .         .
  14.667    570.9323   1735.79  .         Q V       .         .         .
  14.750    583.8690   1878.40  .         .QV       .         .         .
  14.833    597.7902   2021.36  .         . Q       .         .         .
  14.917    612.6079   2151.54  .         .  Q      .         .         .
  15.000    628.2141   2266.02  .         .  VQ     .         .         .
  15.083    644.5397   2370.48  .         .  VQ     .         .         .
  15.167    661.5487   2469.70  .         .   VQ    .         .         .
  15.250    679.2237   2566.41  .         .   V Q   .         .         .
  15.333    697.5564   2661.91  .         .   V Q   .         .         .
  15.417    716.5251   2754.26  .         .    V Q  .         .         .
  15.500    736.0449   2834.27  .         .    V Q  .         .         .
  15.583    755.9235   2886.37  .         .     V Q .         .         .
```

15.667	775.9648	2910.01	. . V Q . . .
15.750	796.0286	2913.25	. . VQ . . .
15.833	816.1934	2927.94	. . VQ . . .
15.917	836.5997	2962.99	. . VQ . . .
16.000	857.3392	3011.38	. . Q . . .
16.083	878.8991	3130.51	. . VQ. . .
16.167	902.4399	3418.13	. . V.Q . .
16.250	929.6382	3949.20	. . V. Q . .
16.333	960.6793	4507.16	. . V Q . .
16.417	994.9123	4970.63	. . .V .Q .
16.500	1030.3402	5144.13	. . . V . Q .
16.583	1067.3663	5376.19	. . . V . Q .
16.667	1107.4506	5820.22	. . . V . Q .
16.750	1150.5875	6263.48	. . . V . Q.
16.833	1194.5859	6388.58	. . . V . Q.
16.917	1236.9364	6149.29	. . . V . Q .
17.000	1276.3019	5715.87	. . . V . Q .
17.083	1312.3737	5237.63	. . . V . Q .
17.167	1345.4553	4803.45	. . . V Q .
17.250	1375.9625	4429.64	. . . Q V. .
17.333	1404.2489	4107.19	. . . Q V .
17.417	1430.5333	3816.50	. . . Q V .
17.500	1455.0149	3554.72	. . . Q .V .
17.583	1477.8258	3312.15	. . Q .V .
17.667	1498.9708	3070.26	. . Q. . V .
17.750	1518.3695	2816.70	. . Q . . V .
17.833	1536.0197	2562.79	. . Q . . V .
17.917	1552.0503	2327.66	. . Q . . V .
18.000	1566.6420	2118.72	. . Q . . V .
18.083	1579.9553	1933.10	. . Q . . V .
18.167	1592.0903	1762.00	. .Q . . V .
18.250	1603.0704	1594.31	. Q. . . V .
18.333	1612.9222	1430.49	. Q . . . V .
18.417	1621.7957	1288.42	. Q . . . V .
18.500	1629.9359	1181.97	. Q . . . V .
18.583	1637.5208	1101.32	. Q . . . V .
18.667	1644.6079	1029.06	. Q . . . V .
18.750	1651.2158	959.47	. Q . . . V .
18.833	1657.3948	897.18	. Q . . . V .
18.917	1663.2214	846.02	. Q . . . V .
19.000	1668.7570	803.76	. Q . . . V .
19.083	1674.0334	766.14	. Q . . . V .
19.167	1679.0786	732.56	. Q . . . V .
19.250	1683.9312	704.59	. Q . . . V .
19.333	1688.6277	681.93	. Q . . . V .
19.417	1693.1915	662.67	. Q . . . V .
19.500	1697.6382	645.66	. Q . . . V .
19.583	1701.9778	630.10	. Q . . . V .
19.667	1706.2166	615.47	. Q . . . V .
19.750	1710.3573	601.24	. Q . . . V .
19.833	1714.4017	587.24	. Q . . . V .
19.917	1718.3510	573.43	. Q . . . V .
20.000	1722.1962	558.32	. Q . . . V .
20.083	1725.9167	540.23	. Q . . . V .
20.167	1729.5092	521.62	. Q . . . V .
20.250	1732.9984	506.65	. Q . . . V .
20.333	1736.4087	495.17	. Q . . . V .
20.417	1739.7515	485.37	. Q . . . V .
20.500	1743.0320	476.33	. Q . . . V .
20.583	1746.2531	467.69	. Q . . . V .
20.667	1749.4169	459.38	. Q . . . V .
20.750	1752.5258	451.40	. Q . . . V .
20.833	1755.5819	443.75	. Q . . . V .
20.917	1758.5873	436.38	. Q . . . V .
21.000	1761.5438	429.29	. Q . . . V .
21.083	1764.4554	422.77	. Q . . . V .

21.167	1767.3259	416.79	. Q . . . V .
21.250	1770.1580	411.21	. Q . . . V .
21.333	1772.9534	405.90	. Q . . . V .
21.417	1775.7137	400.81	. Q . . . V .
21.500	1778.4404	395.92	. Q . . . V .
21.583	1781.1346	391.21	. Q . . . V .
21.667	1783.7975	386.65	. Q . . . V .
21.750	1786.4299	382.23	. Q . . . V .
21.833	1789.0330	377.96	. Q . . . V .
21.917	1791.6073	373.80	. Q . . . V .
22.000	1794.1539	369.78	. Q . . . V .
22.083	1796.6738	365.90	. Q . . . V .
22.167	1799.1681	362.17	. Q . . . V .
22.250	1801.6376	358.57	. Q . . . V .
22.333	1804.0830	355.08	. Q . . . V .
22.417	1806.5051	351.69	. Q . . . V .
22.500	1808.9044	348.38	. Q . . . V .
22.583	1811.2816	345.16	. Q . . . V .
22.667	1813.6371	342.02	. Q . . . V .
22.750	1815.9714	338.94	. Q . . . V .
22.833	1818.2852	335.95	. Q . . . V .
22.917	1820.5786	333.02	. Q . . . V .
23.000	1822.8524	330.16	. Q . . . V.
23.083	1825.1069	327.36	. Q . . . V.
23.167	1827.3427	324.62	. Q . . . V.
23.250	1829.5599	321.95	. Q . . . V.
23.333	1831.7592	319.33	.Q . . . V.
23.417	1833.9408	316.77	.Q . . . V.
23.500	1836.1051	314.26	.Q . . . V.
23.583	1838.2524	311.80	.Q . . . V.
23.667	1840.3833	309.40	.Q . . . V.
23.750	1842.4979	307.04	.Q . . . V.
23.833	1844.5966	304.73	.Q . . . V.
23.917	1846.6797	302.46	.Q . . . V.
24.000	1848.7474	300.24	.Q . . . V.
24.083	1850.7963	297.48	.Q . . . V.
24.167	1852.8103	292.44	.Q . . . V.
24.250	1854.7515	281.85	.Q . . . V.
24.333	1856.5765	265.00	.Q . . . V.
24.417	1858.2488	242.80	.Q . . . V.
24.500	1859.7611	219.59	.Q . . . V.
24.583	1861.0947	193.63	.Q . . . V.
24.667	1862.2059	161.35	.Q . . . V.
24.750	1863.0829	127.33	Q . . . V.
24.833	1863.7734	100.26	Q . . . V.
24.917	1864.3369	81.82	Q . . . V.
25.000	1864.8091	68.57	Q . . . V.
25.083	1865.2096	58.16	Q . . . V.
25.167	1865.5511	49.60	Q . . . V.
25.250	1865.8433	42.42	Q . . . V.
25.333	1866.0935	36.33	Q . . . V.
25.417	1866.3080	31.14	Q . . . V.
25.500	1866.4918	26.69	Q . . . V.
25.583	1866.6487	22.78	Q . . . V.
25.667	1866.7819	19.34	Q . . . V.
25.750	1866.8945	16.37	Q . . . V.
25.833	1866.9897	13.82	Q . . . V.
25.917	1867.0702	11.67	Q . . . V.
26.000	1867.1383	9.90	Q . . . V.
26.083	1867.1959	8.37	Q . . . V.
26.167	1867.2445	7.06	Q . . . V.
26.250	1867.2865	6.10	Q . . . V.
26.333	1867.3242	5.48	Q . . . V.
26.417	1867.3590	5.05	Q . . . V.
26.500	1867.3914	4.70	Q . . . V.
26.583	1867.4215	4.39	Q . . . V.

26.667	1867.4497	4.09	Q	.	.	.	V.
26.750	1867.4758	3.79	Q	.	.	.	V.
26.833	1867.5000	3.51	Q	.	.	.	V.
26.917	1867.5225	3.25	Q	.	.	.	V.
27.000	1867.5432	3.01	Q	.	.	.	V.
27.083	1867.5623	2.76	Q	.	.	.	V.
27.167	1867.5796	2.52	Q	.	.	.	V.
27.250	1867.5953	2.28	Q	.	.	.	V.
27.333	1867.6095	2.05	Q	.	.	.	V.
27.417	1867.6219	1.82	Q	.	.	.	V.
27.500	1867.6328	1.58	Q	.	.	.	V.
27.583	1867.6421	1.35	Q	.	.	.	V.
27.667	1867.6499	1.13	Q	.	.	.	V.
27.750	1867.6561	0.90	Q	.	.	.	V.
27.833	1867.6609	0.69	Q	.	.	.	V.
27.917	1867.6642	0.48	Q	.	.	.	V.
28.000	1867.6661	0.28	Q	.	.	.	V.
28.083	1867.6671	0.14	Q	.	.	.	V
28.167	1867.6675	0.05	Q	.	.	.	V
28.250	1867.6676	0.02	Q	.	.	.	V
28.333	1867.6677	0.02	Q	.	.	.	V
28.417	1867.6678	0.01	Q	.	.	.	V
28.500	1867.6680	0.01	Q	.	.	.	V

****
FLOW PROCESS FROM NODE 6355.00 TO NODE 6371.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
==========

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 30.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 314.00
DOWNSTREAM ELEVATION(FT) = 220.00
CHANNEL LENGTH(FT) = 5919.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 6388.58
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 4831.34
CHANNEL NORMAL VELOCITY FOR Q = 4831.34 CFS = 15.32 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.900

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.877

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	1078.04	1043.30	1043.30
14.083	1108.04	1069.97	1069.97
14.167	1146.07	1099.15	1099.15
14.250	1202.34	1134.96	1134.96
14.333	1280.00	1186.16	1186.16
14.417	1379.05	1257.56	1257.56
14.500	1487.56	1350.21	1350.21
14.583	1605.12	1455.44	1455.44
14.667	1735.79	1570.21	1570.21
14.750	1878.40	1697.09	1697.09
14.833	2021.36	1836.09	1836.09
14.917	2151.54	1978.51	1978.51
15.000	2266.02	2111.99	2111.99
15.083	2370.48	2231.00	2231.00
15.167	2469.70	2338.67	2338.67
15.250	2566.41	2439.66	2439.66
15.333	2661.91	2537.25	2537.25
15.417	2754.26	2633.18	2633.18
15.500	2834.27	2726.41	2726.41
15.583	2886.37	2809.78	2809.78
15.667	2910.01	2869.63	2869.63
15.750	2913.25	2901.72	2901.72
15.833	2927.94	2911.38	2911.38
15.917	2962.99	2923.84	2923.84
16.000	3011.38	2953.26	2953.26
16.083	3130.51	2997.44	2997.44
16.167	3418.13	3097.43	3097.43
16.250	3949.20	3338.34	3338.34
16.333	4507.16	3799.57	3799.57
16.417	4970.63	4341.84	4341.84
16.500	5144.13	4828.24	4828.24
16.583	5376.19	5080.89	5080.89
16.667	5820.22	5307.31	5307.31
16.750	6263.48	5694.85	5694.85
16.833	6388.58	6131.34	6131.34
16.917	6149.29	6339.34	6339.34
17.000	5715.87	6206.19	6206.19
17.083	5237.63	5836.97	5836.97
17.167	4803.45	5378.45	5378.45
17.250	4429.64	4935.11	4935.11
17.333	4107.19	4544.27	4544.27
17.417	3816.50	4206.21	4206.21
17.500	3554.72	3905.23	3905.23
17.583	3312.15	3634.57	3634.57
17.667	3070.26	3385.85	3385.85
17.750	2816.70	3143.02	3143.02
17.833	2562.79	2892.41	2892.41
17.917	2327.66	2638.97	2638.97
18.000	2118.72	2398.95	2398.95
18.083	1933.10	2182.51	2182.51
18.167	1762.00	1989.83	1989.83
18.250	1594.31	1814.03	1814.03
18.333	1430.49	1644.86	1644.86
18.417	1288.42	1479.85	1479.85
18.500	1181.97	1331.91	1331.91
18.583	1101.32	1215.36	1215.36
18.667	1029.06	1126.67	1126.67
18.750	959.47	1051.21	1051.21
18.833	897.18	980.52	980.52
18.917	846.02	916.17	916.17
19.000	803.76	861.83	861.83
19.083	766.14	816.84	816.84
19.167	732.56	777.66	777.66
19.250	704.59	742.82	742.82
19.333	681.93	713.22	713.22
19.417	662.67	688.96	688.96
19.500	645.66	668.60	668.60
19.583	630.10	650.87	650.87
19.667	615.47	634.84	634.84
19.750	601.24	619.90	619.90
19.833	587.24	605.53	605.53

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         19.917       573.43      591.46      591.46
         20.000       558.32      577.58      577.58
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1867.667 AF
    OUTFLOW VOLUME =   1867.668 AF
    LOSS    VOLUME =      0.000 AF


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  FLOW PROCESS FROM NODE   6360.00 TO NODE   6371.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
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      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     922.300 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.250 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.120
         LOW LOSS FRACTION = 0.510
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.727
          30-MINUTE FACTOR = 0.727
           1-HOUR FACTOR = 0.727
           3-HOUR FACTOR = 0.955
           6-HOUR FACTOR = 0.976
          24-HOUR FACTOR = 0.985

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


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                      UNIT HYDROGRAPH DETERMINATION

----------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
----------------------------------------------------------------------------
         1                2.292               255.704
         2               13.821              1285.900
         3               35.522              2420.567
         4               62.164              2971.648
         5               80.648              2061.668
         6               89.997              1042.866
         7               94.646               518.513
         8               96.625               220.790
         9               97.489                96.296
        10               98.211                80.598
        11               98.708                55.360
        12               99.005                33.223
        13               99.174                18.845
        14               99.253                 8.821
        15               99.326                 8.100
        16               99.394                 7.535
        17               99.458                 7.164
        18               99.518                 6.727
        19               99.574                 6.257
        20               99.626                 5.759
        21               99.675                 5.514
        22               99.718                 4.708
        23               99.759                 4.643
        24               99.799                 4.443
        25               99.827                 3.130
        26               99.851                 2.675
        27               99.875                 2.675
        28               99.897                 2.469
        29               99.906                 1.014
        30               99.913                 0.730
        31               99.919                 0.731
        32               99.926                 0.729
        33               99.932                 0.731
        34               99.939                 0.729
        35               99.946                 0.730
        36               99.952                 0.729
        37               99.959                 0.729
        38               99.965                 0.729
        39               99.972                 0.730
        40               99.978                 0.729
        41               99.985                 0.729
        42               99.991                 0.729
        43               99.998                 0.729
        44              100.000                 0.237

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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     154.3473
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     320.9865
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                    2 4 - H O U R    S T O R M
                  R U N O F F    H Y D R O G R A P H

================================================================================
            HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
       (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      475.0     950.0    1425.0    1900.0
--------------------------------------------------------------------------------
  14.000     93.1887    258.95  .    Q    .V        .         .         .
  14.083     95.0463    269.72  .    Q    .V        .         .         .
  14.167     97.0919    297.01  .     Q   . V       .         .         .
  14.250     99.4483    342.16  .      Q  . V       .         .         .
  14.333    102.1764    396.11  .       Q . V       .         .         .
  14.417    105.1775    435.77  .        Q.  V      .         .         .
  14.500    108.3438    459.75  .        Q.  V      .         .         .
  14.583    111.6203    475.74  .         Q  V      .         .         .
  14.667    114.9787    487.63  .         Q   V     .         .         .
  14.750    118.4084    497.99  .         Q   V     .         .         .
  14.833    121.9128    508.85  .         Q    V    .         .         .
  14.917    125.4933    519.88  .         Q    V    .         .         .
  15.000    129.1539    531.52  .         .Q    V   .         .         .
  15.083    132.8985    543.72  .         .Q    V   .         .         .
  15.167    136.7348    557.03  .         .Q     V  .         .         .
  15.250    140.6701    571.42  .         . Q    V  .         .         .
  15.333    144.7167    587.56  .         . Q     V .         .         .
  15.417    148.8326    597.63  .         . Q     V .         .         .
  15.500    152.8231    579.42  .         . Q      V.         .         .
  15.583    156.4765    530.49  .         .Q       V.         .         .
  15.667    159.7219    471.23  .        Q.        V.         .         .
  15.750    162.8064    447.87  .        Q.         V         .         .
  15.833    166.0406    469.60  .        Q.         V         .         .
  15.917    169.6792    528.34  .         .Q        .V        .         .
  16.000    174.0907    640.54  .          .  Q     .V        .         .
  16.083    180.2009    887.20  .          .      Q . V       .         .
  16.167    189.6607   1373.57  .          .         .  V   Q  .         .
  16.250    202.0719   1802.11  .          .         .    V    .       Q  .
  16.333    215.1546   1899.61  .          .         .     V   .         Q.
  16.417    225.2200   1461.49  .          .         .       V Q         .
  16.500    232.1720   1009.42  .          .         .Q      V .         .
  16.583    237.5264    777.47  .          .     Q   .        V.         .
  16.667    242.1749    674.96  .          .   Q     .         V         .
  16.750    246.5237    631.44  .          .  Q      .         V         .
  16.833    250.7251    610.04  .          . Q       .         .V        .
  16.917    254.7254    580.84  .          . Q       .         .V        .
  17.000    258.5161    550.41  .          .Q        .         . V       .
  17.083    262.0959    519.79  .          Q         .         . V       .
  17.167    265.3885    478.09  .          Q         .         .  V      .
  17.250    268.3053    423.51  .        Q .         .         .  V      .
  17.333    270.7946    361.45  .       Q  .         .         .  V      .
  17.417    272.9601    314.43  .     Q    .         .         .   V     .
  17.500    274.9172    284.16  .    Q     .         .         .   V     .
  17.583    276.7300    263.22  .    Q     .         .         .   V     .
  17.667    278.4380    248.00  .    Q     .         .         .   V     .
  17.750    280.0622    235.82  .   Q      .         .         .   V     .
  17.833    281.6090    224.60  .   Q      .         .         .    V    .
  17.917    283.0880    214.74  .   Q      .         .         .    V    .
  18.000    284.5053    205.80  .   Q      .         .         .    V    .
  18.083    285.8540    195.83  .   Q      .         .         .    V    .
  18.167    287.0991    180.78  .  Q       .         .         .    V    .
  18.250    288.2008    159.97  .  Q       .         .         .    V    .
  18.333    289.1435    136.87  . Q        .         .         .     V   .
  18.417    289.9695    119.93  . Q        .         .         .     V   .
  18.500    290.7289    110.27  . Q        .         .         .     V   .
  18.583    291.4475    104.34  . Q        .         .         .     V   .
  18.667    292.1397    100.51  . Q        .         .         .     V   .
  18.750    292.8118     97.59  . Q        .         .         .     V   .
  18.833    293.4655     94.92  .Q         .         .         .     V   .
  18.917    294.1028     92.54  .Q         .         .         .     V   .
  19.000    294.7256     90.42  .Q         .         .         .     V   .
  19.083    295.3352     88.52  .Q         .         .         .     V   .
  19.167    295.9328     86.77  .Q         .         .         .     V   .
  19.250    296.5189     85.11  .Q         .         .         .     V   .
  19.333    297.0941     83.52  .Q         .         .         .      V  .
  19.417    297.6590     82.01  .Q         .         .         .      V  .
  19.500    298.2138     80.57  .Q         .         .         .      V  .
  19.583    298.7590     79.16  .Q         .         .         .      V  .
  19.667    299.2938     77.66  .Q         .         .         .      V  .
  19.750    299.8194     76.31  .Q         .         .         .      V  .
  19.833    300.3366     75.11  .Q         .         .         .      V  .
  19.917    300.8460     73.97  .Q         .         .         .      V  .
  20.000    301.3478     72.86  .Q         .         .         .      V  .

********************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
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********************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =   6
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 CLEARED AND SET TO ZERO<<<<<
================================================================================

********************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

          STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
       (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1750.0    3500.0    5250.0    7000.0
--------------------------------------------------------------------------------
  14.000    579.1592   1302.25  .      Q  V        .         .         .
  14.083    588.3857   1339.69  .      Q  V        .         .         .
  14.167    598.0012   1396.16  .      Q  V        .         .         .
  14.250    608.1742   1477.13  .       Q .V       .         .         .
  14.333    619.0714   1582.27  .        Q.V       .         .         .
  14.417    630.7334   1693.33  .        Q.V       .         .         .
  14.500    643.1987   1809.96  .         QV       .         .         .
  14.583    656.4988   1931.19  .         .Q       .         .         .
  14.667    670.6713   2057.85  .         .QV      .         .         .
  14.750    685.7889   2195.08  .         . Q      .         .         .
  14.833    701.9387   2344.94  .         . VQ     .         .         .
  14.917    719.1452   2498.39  .          . VQ    .         .         .
  15.000    737.3512   2643.51  .          . V Q   .         .         .
  15.083    756.4608   2774.72  .          . V Q   .         .         .
  15.167    776.4036   2895.69  .          .  V Q  .         .         .
  15.250    797.1410   3011.08  .          .   V  Q.         .         .
  15.333    818.6617   3124.81  .          .   V  Q .        .         .
  15.417    840.9124   3230.81  .          .    V  Q.        .         .
  15.500    863.6798   3305.83  .          .    V  Q .       .         .
  15.583    886.6843   3340.26  .          .     V  Q.       .         .
```

15.667	909.6930	3340.86	. . V Q. . .
15.750	932.7618	3349.59	. . V Q. . .
15.833	956.0468	3380.98	. . V Q. . .
15.917	979.8221	3452.18	. . V Q. . .
16.000	1004.5728	3593.79	. . V Q . .
16.083	1031.3265	3884.64	. . V . Q . .
16.167	1062.1185	4471.00	. . V. Q . .
16.250	1097.5211	5140.45	. . V Q. .
16.333	1136.7716	5699.18	. . V . Q .
16.417	1176.7394	5803.33	. . .V . Q .
16.500	1216.9437	5837.66	. . . V . Q .
16.583	1257.2905	5858.36	. . . V . Q .
16.667	1298.4907	5982.27	. . . V . Q .
16.750	1342.0602	6326.29	. . . V . Q .
16.833	1388.4884	6741.38	. . . V . Q .
16.917	1436.1481	6920.19	. . . V . Q.
17.000	1482.6812	6756.60	. . . V . Q .
17.083	1526.4606	6356.77	. . . V . Q .
17.167	1566.7948	5856.53	. . . V . Q .
17.250	1603.7000	5358.62	. . . VQ .
17.333	1637.4860	4905.72	. . . QV. .
17.417	1668.6199	4520.64	. . . Q V .
17.500	1697.4724	4189.39	. . . Q .V .
17.583	1724.3168	3897.80	. . . Q .V .
17.667	1749.3434	3633.86	. . Q .V .
17.750	1772.6136	3378.84	. . Q. . V .
17.833	1794.0807	3117.02	. . Q . . V .
17.917	1813.7344	2853.71	. . Q . . V .
18.000	1831.6733	2604.75	. . Q . . V .
18.083	1848.0531	2378.34	. . Q . . V .
18.167	1863.0022	2170.61	. . Q . . V .
18.250	1876.5973	1974.00	. .Q . . V .
18.333	1888.8682	1781.73	. Q . . V .
18.417	1899.8859	1599.78	. Q. . V .
18.500	1909.8182	1442.17	. Q . . V .
18.583	1918.9071	1319.70	. Q . . V .
18.667	1927.3588	1227.18	. Q . . V .
18.750	1935.2706	1148.80	. Q . . V .
18.833	1942.6772	1075.44	. Q . . V .
18.917	1949.6243	1008.71	. Q . . V .
19.000	1956.1825	952.25	. Q . . V .
19.083	1962.4177	905.35	. Q . . V .
19.167	1968.3711	864.43	. Q . . V .
19.250	1974.0731	827.93	. Q . . V .
19.333	1979.5603	796.74	. Q . . V .
19.417	1984.8701	770.98	. Q . . V .
19.500	1990.0297	749.17	. Q . . V .
19.583	1995.0574	730.02	. Q . . V .
19.667	1999.9644	712.50	. Q . . V .
19.750	2004.7593	696.21	. Q . . V .
19.833	2009.4469	680.64	. Q . . V .
19.917	2014.0297	665.42	. Q . . V .
20.000	2018.5093	650.44	. Q . . V .
20.083	2022.8798	634.60	. Q . . V .
20.167	2027.1244	616.31	. Q . . V .
20.250	2031.2357	596.96	. Q . . V .
20.333	2035.2310	580.11	. Q . . V .
20.417	2039.1338	566.69	. Q . . V .
20.500	2042.9591	555.44	. Q . . V .
20.583	2046.7145	545.29	. Q . . V .
20.667	2050.4038	535.69	. Q . . V .
20.750	2054.0298	526.49	. Q . . V .
20.833	2057.5950	517.65	. Q . . V .
20.917	2061.1016	509.17	. Q . . V .
21.000	2064.5520	500.99	. Q . . V .
21.083	2067.9482	493.13	. Q . . V .

21.167	2071.2937	485.77	. Q . . V .
21.250	2074.5923	478.97	. Q . . V .
21.333	2077.8472	472.63	. Q . . V .
21.417	2081.0608	466.61	. Q . . V .
21.500	2084.2346	460.85	. Q . . V .
21.583	2087.3704	455.31	. Q . . V .
21.667	2090.4695	449.97	. Q . . V .
21.750	2093.5330	444.81	. Q . . V .
21.833	2096.5620	439.82	. Q . . V .
21.917	2099.5576	434.97	. Q . . V .
22.000	2102.5208	430.26	. Q . . V .
22.083	2105.4526	425.70	. Q . . V .
22.167	2108.3540	421.29	. Q . . V .
22.250	2111.2261	417.04	. Q . . V .
22.333	2114.0701	412.93	. Q . . V .
22.417	2116.8865	408.95	. Q . . V .
22.500	2119.6763	405.08	. Q . . V .
22.583	2122.4402	401.31	. Q . . V .
22.667	2125.1787	397.64	. Q . . V .
22.750	2127.8926	394.05	. Q . . V .
22.833	2130.5823	390.54	. Q . . V .
22.917	2133.2483	387.12	. Q . . V .
23.000	2135.8914	383.78	. Q . . V.
23.083	2138.5120	380.51	. Q . . V.
23.167	2141.1106	377.32	. Q . . V.
23.250	2143.6877	374.19	. Q . . V.
23.333	2146.2439	371.14	. Q . . V.
23.417	2148.7793	368.15	. Q . . V.
23.500	2151.2947	365.22	. Q . . V.
23.583	2153.7903	362.35	. Q . . V.
23.667	2156.2664	359.54	. Q . . V.
23.750	2158.7236	356.79	. Q . . V.
23.833	2161.1624	354.10	. Q . . V.
23.917	2163.5828	351.45	. Q . . V.
24.000	2165.9854	348.86	.Q . . V.
24.083	2168.3635	345.30	.Q . . V.
24.167	2170.6863	337.27	.Q . . V.
24.250	2172.9104	322.95	.Q . . V.
24.333	2174.9895	301.88	.Q . . V.
24.417	2176.9080	278.55	.Q . . V.
24.500	2178.6558	253.78	.Q . . V.
24.583	2180.2324	228.94	.Q . . V.
24.667	2181.6296	202.87	.Q . . V.
24.750	2182.8140	171.95	Q . . V.
24.833	2183.7664	138.28	Q . . V.
24.917	2184.5188	109.24	Q . . V.
25.000	2185.1260	88.17	Q . . V.
25.083	2185.6299	73.17	Q . . V.
25.167	2186.0552	61.77	Q . . V.
25.250	2186.4172	52.57	Q . . V.
25.333	2186.7266	44.92	Q . . V.
25.417	2186.9915	38.46	Q . . V.
25.500	2187.2185	32.97	Q . . V.
25.583	2187.4131	28.26	Q . . V.
25.667	2187.5793	24.15	Q . . V.
25.750	2187.7209	20.55	Q . . V.
25.833	2187.8408	17.41	Q . . V.
25.917	2187.9421	14.71	Q . . V.
26.000	2188.0278	12.43	Q . . V.
26.083	2188.1003	10.53	Q . . V.
26.167	2188.1616	8.91	Q . . V.
26.250	2188.2134	7.52	Q . . V.
26.333	2188.2578	6.45	Q . . V.
26.417	2188.2971	5.72	Q . . V.
26.500	2188.3333	5.23	Q . . V.
26.583	2188.3667	4.85	Q . . V.

26.667	2188.3977	4.52	Q	.	.	.	V.
26.750	2188.4268	4.21	Q	.	.	.	V.
26.833	2188.4536	3.91	Q	.	.	.	V.
26.917	2188.4785	3.62	Q	.	.	.	V.
27.000	2188.5017	3.36	Q	.	.	.	V.
27.083	2188.5229	3.10	Q	.	.	.	V.
27.167	2188.5425	2.85	Q	.	.	.	V.
27.250	2188.5603	2.61	Q	.	.	.	V.
27.333	2188.5767	2.36	Q	.	.	.	V.
27.417	2188.5913	2.13	Q	.	.	.	V.
27.500	2188.6042	1.89	Q	.	.	.	V.
27.583	2188.6157	1.65	Q	.	.	.	V.
27.667	2188.6255	1.42	Q	.	.	.	V.
27.750	2188.6338	1.19	Q	.	.	.	V.
27.833	2188.6404	0.97	Q	.	.	.	V.
27.917	2188.6455	0.75	Q	.	.	.	V.
28.000	2188.6492	0.54	Q	.	.	.	V.
28.083	2188.6516	0.34	Q	.	.	.	V.
28.167	2188.6526	0.15	Q	.	.	.	V.
28.250	2188.6531	0.07	Q	.	.	.	V.
28.333	2188.6533	0.04	Q	.	.	.	V.
28.417	2188.6536	0.03	Q	.	.	.	V.
28.500	2188.6536	0.02	Q	.	.	.	V.
28.583	2188.6536	0.01	Q	.	.	.	V.
28.667	2188.6536	0.01	Q	.	.	.	V.

****
FLOW PROCESS FROM NODE 6371.00 TO NODE 6395.00 IS CODE = 5.2

>>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
==========

THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
INTERVALS(Reference: the National Engineering Handbook,
Hydrology, Chapter 17, page 17-52, August,1972,
U.S. Department of Commerce).

ASSUMED REGULAR CHANNEL INFORMATION:
BASEWIDTH(FT) = 35.00 CHANNEL Z = 1.00
UPSTREAM ELEVATION(FT) = 220.00
DOWNSTREAM ELEVATION(FT) = 213.00
CHANNEL LENGTH(FT) = 959.00 MANNING'S FACTOR = 0.040
CONSTANT LOSS RATE(CFS) = 0.00

CHANNEL ROUTING COEFFICIENT ESTIMATED:
MAXIMUM INFLOW(CFS) = 6920.19
AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW = 5320.69
CHANNEL NORMAL VELOCITY FOR Q = 5320.69 CFS = 11.75 FPS
ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.874

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.998

CONVEX METHOD CHANNEL ROUTING RESULTS:

MODEL TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
14.000	1302.25	1294.65	1294.65
14.083	1339.69	1330.74	1330.74
14.167	1396.16	1382.66	1382.66
14.250	1477.13	1457.78	1457.78
14.333	1582.27	1557.14	1557.14
14.417	1693.33	1666.78	1666.78
14.500	1809.96	1782.07	1782.07
14.583	1931.19	1902.20	1902.20
14.667	2057.85	2027.57	2027.57
14.750	2195.08	2162.27	2162.27
14.833	2344.94	2309.11	2309.11
14.917	2498.39	2461.70	2461.70
15.000	2643.51	2608.81	2608.81
15.083	2774.72	2743.34	2743.34
15.167	2895.69	2866.76	2866.76
15.250	3011.08	2983.49	2983.49
15.333	3124.81	3097.61	3097.61
15.417	3230.81	3205.46	3205.46
15.500	3305.83	3287.88	3287.88
15.583	3340.26	3332.01	3332.01
15.667	3340.86	3340.70	3340.70
15.750	3349.59	3347.50	3347.50
15.833	3380.98	3373.48	3373.48
15.917	3452.18	3435.17	3435.17
16.000	3593.79	3559.96	3559.96
16.083	3884.64	3815.15	3815.15
16.167	4471.00	4330.91	4330.91
16.250	5140.45	4980.42	4980.42
16.333	5699.18	5565.55	5565.55
16.417	5803.33	5778.26	5778.26
16.500	5837.66	5829.43	5829.43
16.583	5858.36	5853.41	5853.41
16.667	5982.27	5952.68	5952.68
16.750	6326.29	6244.12	6244.12
16.833	6741.38	6642.16	6642.16
16.917	6920.19	6877.35	6877.35
17.000	6756.60	6795.59	6795.59
17.083	6356.77	6452.28	6452.28
17.167	5856.53	5976.10	5976.10
17.250	5358.62	5477.67	5477.67
17.333	4905.72	5014.03	5014.03
17.417	4520.64	4612.74	4612.74
17.500	4189.39	4268.61	4268.61
17.583	3897.80	3967.53	3967.53
17.667	3633.86	3696.97	3696.97
17.750	3378.84	3439.82	3439.82
17.833	3117.02	3179.62	3179.62
17.917	2853.71	2916.66	2916.66
18.000	2604.75	2664.28	2664.28
18.083	2378.34	2432.48	2432.48
18.167	2170.61	2220.28	2220.28
18.250	1974.00	2021.02	2021.02
18.333	1781.73	1827.71	1827.71
18.417	1599.78	1643.29	1643.29
18.500	1442.17	1479.87	1479.87
18.583	1319.70	1349.00	1349.00
18.667	1227.18	1249.31	1249.31
18.750	1148.80	1167.55	1167.55
18.833	1075.44	1092.98	1092.98
18.917	1008.71	1024.66	1024.66
19.000	952.25	965.75	965.75
19.083	905.35	916.57	916.57
19.167	864.43	874.21	874.21
19.250	827.93	836.66	836.66
19.333	796.74	804.20	804.20
19.417	770.98	777.14	777.14
19.500	749.17	754.39	754.39
19.583	730.02	734.60	734.60
19.667	712.50	716.69	716.69

```
         19.750       696.21      700.11      700.11
         19.833       680.64      684.36      684.36
         19.917       665.42      669.06      669.06
         20.000       650.44      654.02      654.02
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   2188.654 AF
    OUTFLOW VOLUME =   2188.653 AF
    LOSS    VOLUME =      0.000 AF


****************************************************************************
  FLOW PROCESS FROM NODE   6380.00 TO NODE   6395.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
============================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     329.600 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.330 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         MAXIMUM WATERSHED LOSS RATE(INCH/HOUR) =  0.150
         LOW LOSS FRACTION = 0.500
         *HYDROGRAPH MODEL #1 SPECIFIED*

         SPECIFIED PEAK  5-MINUTES RAINFALL(INCH)=  0.58
         SPECIFIED PEAK 30-MINUTES RAINFALL(INCH)=  1.22
         SPECIFIED PEAK  1-HOUR RAINFALL(INCH) =  1.62
         SPECIFIED PEAK  3-HOUR RAINFALL(INCH) =  2.71
         SPECIFIED PEAK  6-HOUR RAINFALL(INCH) =  3.75
         SPECIFIED PEAK 24-HOUR RAINFALL(INCH) =  6.28

         *USER SPECIFIED PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
           5-MINUTE FACTOR = 0.727
          30-MINUTE FACTOR = 0.727
           1-HOUR FACTOR = 0.727
           3-HOUR FACTOR = 0.955
           6-HOUR FACTOR = 0.976
          24-HOUR FACTOR = 0.985

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  25.253


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  14.00
         MODEL TIME(HOURS) FOR END OF RESULTS =  20.00


============================================================================
                     UNIT HYDROGRAPH DETERMINATION

----------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
```

1	1.602	63.859
2	7.797	246.932
3	21.404	542.405
4	39.370	716.138
5	60.064	824.885
6	75.891	630.876
7	85.613	387.515
8	91.167	221.417
9	94.489	132.407
10	96.293	71.884
11	97.026	29.243
12	97.665	25.478
13	98.270	24.118
14	98.850	23.087
15	98.984	5.349
16	99.089	4.176
17	99.176	3.468
18	99.236	2.391
19	99.292	2.234
20	99.345	2.124
21	99.396	2.026
22	99.445	1.965
23	99.491	1.826
24	99.536	1.815
25	99.577	1.639
26	99.617	1.559
27	99.656	1.556
28	99.690	1.365
29	99.721	1.257
30	99.753	1.257
31	99.784	1.254
32	99.812	1.082
33	99.830	0.737
34	99.848	0.724
35	99.866	0.724
36	99.885	0.724
37	99.900	0.614
38	99.906	0.230
39	99.911	0.198
40	99.916	0.197
41	99.921	0.199
42	99.926	0.197
43	99.930	0.197
44	99.935	0.198
45	99.940	0.198
46	99.945	0.197
47	99.950	0.199
48	99.955	0.197
49	99.960	0.197
50	99.965	0.196
51	99.970	0.197
52	99.975	0.197
53	99.980	0.197
54	99.985	0.196
55	99.990	0.197
56	99.995	0.197
57	100.000	0.197
58	100.000	0.013

```
----------------------------------------------------------------------------
    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =      59.4090
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     110.4620
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================================================================================

                    2 4 - H O U R    S T O R M
                  R U N O F F    H Y D R O G R A P H

================================================================================
            HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      150.0     300.0     450.0     600.0
--------------------------------------------------------------------------------
  14.000     31.7638     80.26  .    Q    .V        .         .         .
  14.083     32.3394     83.58  .    Q    .V        .         .         .
  14.167     32.9582     89.85  .    Q    .V        .         .         .
  14.250     33.6530    100.87  .     Q   . V       .         .         .
  14.333     34.4425    114.64  .      Q  . V       .         .         .
  14.417     35.3392    130.19  .       Q . V       .         .         .
  14.500     36.3221    142.72  .        Q.  V      .         .         .
  14.583     37.3658    151.55  .         Q  V      .         .         .
  14.667     38.4530    157.86  .         Q  V      .         .         .
  14.750     39.5754    162.97  .         Q   V     .         .         .
  14.833     40.7275    167.29  .         .Q  V     .         .         .
  14.917     41.9066    171.20  .         .Q   V    .         .         .
  15.000     43.1136    175.25  .         .Q   V    .         .         .
  15.083     44.3507    179.64  .         .Q    V   .         .         .
  15.167     45.6200    184.29  .         . Q   V   .         .         .
  15.250     46.9225    189.13  .         . Q   V   .         .         .
  15.333     48.2610    194.35  .         . Q    V  .         .         .
  15.417     49.6267    198.29  .         .  Q   V  .         .         .
  15.500     50.9858    197.34  .         .  Q    V .         .         .
  15.583     52.2850    188.65  .         . Q     V .         .         .
  15.667     53.4982    176.15  .         .Q       V.         .         .
  15.750     54.6203    162.92  .         Q        V.         .         .
  15.833     55.7149    158.93  .         Q         V         .         .
  15.917     56.8756    168.53  .         .Q        V         .         .
  16.000     58.2072    193.35  .         . Q        .V       .         .
  16.083     59.9581    254.23  .         .     Q    .V       .         .
  16.167     62.4338    359.48  .         .          . VQ     .         .
  16.250     65.8054    489.55  .         .          .  V     . Q       .
  16.333     69.6400    556.79  .         .          .   V    .        Q  .
  16.417     73.5654    569.97  .         .          .    V   .        Q  .
  16.500     76.8172    472.16  .         .          .     V  .Q         .
  16.583     79.3172    363.01  .         .          .   Q   V .         .
  16.667     81.3122    289.67  .         .        Q.       V.          .
  16.750     83.0522    252.65  .         .     Q    .        V          .
  16.833     84.6173    227.25  .         .    Q     .        V          .
  16.917     86.0455    207.37  .         .  Q       .        .V         .
  17.000     87.4184    199.35  .         .  Q       .        .V         .
  17.083     88.7335    190.95  .         . Q        .        . V        .
  17.167     89.9664    179.02  .         .Q         .        . V        .
  17.250     91.0513    157.54  .         Q          .        . V        .
  17.333     92.0123    139.53  .        Q.          .        .  V       .
  17.417     92.8447    120.87  .       Q .          .        .  V       .
  17.500     93.5730    105.74  .      Q  .          .        .  V       .
  17.583     94.2251     94.69  .     Q   .          .        .   V      .
  17.667     94.8220     86.67  .    Q    .          .        .   V      .
  17.750     95.3759     80.43  .    Q    .          .        .   V      .
  17.833     95.8958     75.48  .    Q    .          .        .   V      .
  17.917     96.3880     71.48  .   Q     .          .        .   V      .
  18.000     96.8553     67.85  .   Q     .          .        .    V     .
  18.083     97.2977     64.24  .   Q     .          .        .    V     .
  18.167     97.7131     60.31  .   Q     .          .        .    V     .
  18.250     98.0986     55.98  .  Q      .          .        .    V     .
  18.333     98.4523     51.35  .  Q      .          .        .    V     .
  18.417     98.7742     46.74  .  Q      .          .        .    V     .
  18.500     99.0715     43.16  . Q       .          .        .    V     .
  18.583     99.3512     40.62  . Q       .          .        .    V     .
  18.667     99.6180     38.74  . Q       .          .        .     V    .
  18.750     99.8743     37.22  . Q       .          .        .     V    .
  18.833    100.1229     36.09  . Q       .          .        .     V    .
  18.917    100.3652     35.18  . Q       .          .        .     V    .
  19.000    100.6015     34.31  . Q       .          .        .     V    .
  19.083    100.8318     33.44  . Q       .          .        .     V    .
  19.167    101.0559     32.54  . Q       .          .        .     V    .
  19.250    101.2754     31.87  . Q       .          .        .     V    .
  19.333    101.4906     31.25  . Q       .          .        .     V    .
  19.417    101.7018     30.67  . Q       .          .        .     V    .
  19.500    101.9091     30.10  . Q       .          .        .     V    .
  19.583    102.1127     29.56  .Q        .          .        .     V    .
  19.667    102.3128     29.05  .Q        .          .        .      V   .
  19.750    102.5095     28.57  .Q        .          .        .      V   .
  19.833    102.7030     28.10  .Q        .          .        .      V   .
  19.917    102.8935     27.65  .Q        .          .        .      V   .
  20.000    103.0809     27.22  .Q        .          .        .      V   .


********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =   6
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 CLEARED AND SET TO ZERO<<<<<
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

          STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1775.0    3550.0    5325.0    7100.0
--------------------------------------------------------------------------------
   0.083      0.0071      1.04  Q         .         .         .         .
   0.167      0.0520      6.52  Q         .         .         .         .
   0.250      0.1840     19.16  Q         .         .         .         .
   0.333      0.4546     39.30  Q         .         .         .         .
   0.417      0.8916     63.45  Q         .         .         .         .
   0.500      1.5025     88.70  Q         .         .         .         .
   0.583      2.2849    113.61  Q         .         .         .         .
   0.667      3.2428    139.08  Q         .         .         .         .
   0.750      4.4028    168.43  Q         .         .         .         .
   0.833      5.7878    201.11  VQ        .         .         .         .
   0.917      7.3793    231.07  VQ        .         .         .         .
   1.000      9.1296    254.15  VQ        .         .         .         .
   1.083     10.9954    270.92  VQ        .         .         .         .
   1.167     12.9490    283.66  VQ        .         .         .         .
   1.250     14.9733    293.92  VQ        .         .         .         .
   1.333     17.0572    302.58  VQ        .         .         .         .
   1.417     19.1925    310.05  VQ        .         .         .         .
   1.500     21.3726    316.56  VQ        .         .         .         .
   1.583     23.5924    322.31  VQ        .         .         .         .
   1.667     25.8478    327.48  VQ        .         .         .         .
```

1.750	28.1355	332.17	VQ	.	.	.	.
1.833	30.4525	336.43	VQ	.	.	.	.
1.917	32.7961	340.29	VQ	.	.	.	.
2.000	35.1636	343.77	VQ	.	.	.	.
2.083	37.5526	346.89	VQ	.	.	.	.
2.167	39.9613	349.73	VQ	.	.	.	.
2.250	42.3880	352.36	VQ	.	.	.	.
2.333	44.8309	354.72	VQ	.	.	.	.
2.417	47.2880	356.76	V Q	.	.	.	.
2.500	49.7574	358.56	V Q	.	.	.	.
2.583	52.2384	360.24	V Q	.	.	.	.
2.667	54.7306	361.87	V Q	.	.	.	.
2.750	57.2340	363.49	V Q	.	.	.	.
2.833	59.7485	365.11	.VQ	.	.	.	.
2.917	62.2742	366.73	.VQ	.	.	.	.
3.000	64.8111	368.35	.VQ	.	.	.	.
3.083	67.3591	369.98	.VQ	.	.	.	.
3.167	69.9184	371.61	.VQ	.	.	.	.
3.250	72.4890	373.25	.VQ	.	.	.	.
3.333	75.0710	374.91	.VQ	.	.	.	.
3.417	77.6646	376.58	.VQ	.	.	.	.
3.500	80.2697	378.26	.VQ	.	.	.	.
3.583	82.8865	379.96	.VQ	.	.	.	.
3.667	85.5151	381.68	.VQ	.	.	.	.
3.750	88.1557	383.41	.VQ	.	.	.	.
3.833	90.8082	385.15	.VQ	.	.	.	.
3.917	93.4728	386.91	.VQ	.	.	.	.
4.000	96.1497	388.68	.VQ	.	.	.	.
4.083	98.8387	390.45	.VQ	.	.	.	.
4.167	101.5399	392.21	.VQ	.	.	.	.
4.250	104.2529	393.93	.VQ	.	.	.	.
4.333	106.9776	395.62	.VQ	.	.	.	.
4.417	109.7138	397.29	.VQ	.	.	.	.
4.500	112.4615	398.97	.VQ	.	.	.	.
4.583	115.2209	400.66	. Q	.	.	.	.
4.667	117.9920	402.37	. Q	.	.	.	.
4.750	120.7750	404.09	. Q	.	.	.	.
4.833	123.5701	405.84	. Q	.	.	.	.
4.917	126.3772	407.60	. Q	.	.	.	.
5.000	129.1967	409.38	. Q	.	.	.	.
5.083	132.0285	411.18	. Q	.	.	.	.
5.167	134.8729	413.01	. Q	.	.	.	.
5.250	137.7300	414.85	. Q	.	.	.	.
5.333	140.6000	416.72	. Q	.	.	.	.
5.417	143.4829	418.60	. Q	.	.	.	.
5.500	146.3790	420.51	. Q	.	.	.	.
5.583	149.2884	422.45	. Q	.	.	.	.
5.667	152.2113	424.40	. Q	.	.	.	.
5.750	155.1478	426.38	. Q	.	.	.	.
5.833	158.0982	428.39	. Q	.	.	.	.
5.917	161.0625	430.42	. Q	.	.	.	.
6.000	164.0409	432.47	. Q	.	.	.	.
6.083	167.0337	434.55	. Q	.	.	.	.
6.167	170.0410	436.66	. Q	.	.	.	.
6.250	173.0630	438.79	. QV	.	.	.	.
6.333	176.0998	440.95	. QV	.	.	.	.
6.417	179.1518	443.14	. QV	.	.	.	.
6.500	182.2190	445.36	. QV	.	.	.	.
6.583	185.3017	447.61	. QV	.	.	.	.
6.667	188.4001	449.88	. QV	.	.	.	.
6.750	191.5143	452.19	. QV	.	.	.	.
6.833	194.6447	454.53	. QV	.	.	.	.
6.917	197.7914	456.90	. QV	.	.	.	.
7.000	200.9546	459.30	. QV	.	.	.	.
7.083	204.1346	461.74	. QV	.	.	.	.
7.167	207.3316	464.21	. QV	.	.	.	.
7.250	210.5459	466.71	. QV	.	.	.	.
7.333	213.7777	469.26	. QV	.	.	.	.
7.417	217.0272	471.83	. QV	.	.	.	.
7.500	220.2948	474.45	. QV	.	.	.	.
7.583	223.5806	477.10	. QV	.	.	.	.
7.667	226.8849	479.79	. QV	.	.	.	.
7.750	230.2081	482.52	. Q V	.	.	.	.
7.833	233.5504	485.30	. Q V	.	.	.	.
7.917	236.9120	488.11	. Q V	.	.	.	.
8.000	240.2934	490.97	. Q V	.	.	.	.
8.083	243.6947	493.87	. Q V	.	.	.	.
8.167	247.1164	496.82	. Q V	.	.	.	.
8.250	250.5586	499.82	. Q V	.	.	.	.
8.333	254.0219	502.86	. Q V	.	.	.	.
8.417	257.5064	505.95	. Q V	.	.	.	.
8.500	261.0126	509.09	. Q V	.	.	.	.
8.583	264.5407	512.29	. Q V	.	.	.	.
8.667	268.0912	515.53	. Q V	.	.	.	.
8.750	271.6645	518.83	. Q V	.	.	.	.
8.833	275.2608	522.19	. Q V	.	.	.	.
8.917	278.8807	525.61	. Q V	.	.	.	.
9.000	282.5245	529.08	. Q V	.	.	.	.
9.083	286.1927	532.61	. QV	.	.	.	.
9.167	289.8856	536.21	. Q V	.	.	.	.
9.250	293.6037	539.87	. Q V	.	.	.	.
9.333	297.3475	543.60	. Q V	.	.	.	.
9.417	301.1174	547.39	. Q V	.	.	.	.
9.500	304.9140	551.26	. Q V	.	.	.	.
9.583	308.7377	555.20	. Q V	.	.	.	.
9.667	312.5890	559.21	. Q V	.	.	.	.
9.750	316.4684	563.30	. Q V	.	.	.	.
9.833	320.3766	567.47	. Q V	.	.	.	.
9.917	324.3141	571.72	. Q V	.	.	.	.
10.000	328.2814	576.05	. Q V	.	.	.	.
10.083	332.2791	580.47	. Q V	.	.	.	.
10.167	336.3080	584.99	. Q V	.	.	.	.
10.250	340.3685	589.59	. Q V	.	.	.	.
10.333	344.4615	594.30	. Q V	.	.	.	.
10.417	348.5875	599.10	. Q V	.	.	.	.
10.500	352.7473	604.00	. Q V	.	.	.	.
10.583	356.9416	609.01	. Q V	.	.	.	.
10.667	361.1711	614.14	. Q V	.	.	.	.
10.750	365.4368	619.37	. Q V	.	.	.	.
10.833	369.7393	624.73	. Q V	.	.	.	.
10.917	374.0795	630.20	. Q V	.	.	.	.
11.000	378.4584	635.81	. Q V	.	.	.	.
11.083	382.8768	641.55	. Q V	.	.	.	.
11.167	387.3356	647.43	. Q V	.	.	.	.
11.250	391.8359	653.44	. Q V	.	.	.	.
11.333	396.3787	659.61	. Q V	.	.	.	.
11.417	400.9651	665.94	. Q V	.	.	.	.
11.500	405.5961	672.42	. Q V	.	.	.	.
11.583	410.2729	679.08	. Q V	.	.	.	.
11.667	414.9968	685.91	. Q V	.	.	.	.
11.750	419.7690	692.92	. Q V	.	.	.	.
11.833	424.5909	700.13	. Q V	.	.	.	.
11.917	429.4637	707.53	. Q V	.	.	.	.
12.000	434.3890	715.16	. Q V	.	.	.	.
12.083	439.3778	724.37	. Q V	.	.	.	.
12.167	444.4729	739.81	. Q V	.	.	.	.
12.250	449.7377	764.45	. Q V	.	.	.	.
12.333	455.2301	797.50	. Q V	.	.	.	.
12.417	460.9648	832.67	. Q V	.	.	.	.
12.500	466.9318	866.41	. Q V	.	.	.	.
12.583	473.1200	898.52	. Q V	.	.	.	.
12.667	479.5282	930.47	. Q V	.	.	.	.

12.750	486.1762	965.29	. Q V . . . .
12.833	493.0827	1002.82	. Q V . . . .
12.917	500.2326	1038.17	. Q V . . . .
13.000	507.5880	1068.00	. Q V . . . .
13.083	515.1172	1093.26	. Q V . . . .
13.167	522.8063	1116.45	. Q V. . . .
13.250	530.6506	1138.99	. Q V. . . .
13.333	538.6491	1161.38	. Q V. . . .
13.417	546.8018	1183.77	. Q V. . . .
13.500	555.1111	1206.51	. Q V. . . .
13.583	563.5819	1229.96	. Q V. . . .
13.667	572.2230	1254.69	. Q V. . . .
13.750	581.0474	1281.29	. Q V . . .
13.833	590.0709	1310.21	. Q V . . .
13.917	599.3095	1341.45	. Q V . . .
14.000	608.7786	1374.91	. Q V . . .
14.083	618.5191	1414.32	. Q V . . .
14.167	628.6604	1472.52	. Q V . . .
14.250	639.3949	1558.65	. Q .V . . .
14.333	650.9086	1671.78	. Q.V . . .
14.417	663.2844	1796.97	. QV . . .
14.500	676.5406	1924.79	. QV . . .
14.583	690.6849	2053.75	. .QV . . .
14.667	705.7360	2185.43	. . Q . . .
14.750	721.7501	2325.25	. . VQ . . .
14.833	738.8052	2476.40	. . VQ . . .
14.917	756.9381	2632.90	. . VQ . . .
15.000	776.1121	2784.06	. . V Q . . .
15.083	796.2429	2922.98	. . V Q . . .
15.167	817.2556	3051.05	. . V Q . . .
15.250	839.1056	3172.62	. . V Q . . .
15.333	861.7775	3291.96	. . V Q . . .
15.417	885.2194	3403.75	. . V Q. . . .
15.500	909.2223	3485.22	. . V Q. . . .
15.583	933.4693	3520.67	. . V Q. . . .
15.667	957.6901	3516.86	. . V Q. . . .
15.750	981.8666	3510.43	. . V Q. . . .
15.833	1006.1945	3532.41	. . V Q. . . .
15.917	1031.0134	3603.70	. . V Q . . .
16.000	1056.8627	3753.31	. . V .Q . . .
16.083	1084.8888	4069.39	. . V . Q . . .
16.167	1117.1918	4690.39	. . V. Q . . .
16.250	1154.8636	5469.96	. . V Q . . .
16.333	1197.0284	6122.33	. . V . Q . .
16.417	1240.7490	6348.23	. . .V . Q . .
16.500	1284.1484	6301.59	. . . V . Q . .
16.583	1326.9612	6216.41	. . . V . Q . .
16.667	1369.9526	6242.36	. . . V . Q . .
16.750	1414.6962	6496.76	. . . V . Q . .
16.833	1462.0061	6869.41	. . . V . Q . .
16.917	1510.7990	7084.72	. . . V . Q. .
17.000	1558.9735	6994.94	. . . V . Q. .
17.083	1604.7257	6643.23	. . . V . Q . .
17.167	1647.1163	6155.12	. . . V . Q . .
17.250	1685.9264	5635.21	. . . V.Q . .
17.333	1721.4192	5153.55	. . . Q. . .
17.417	1754.0198	4733.61	. . . Q V . .
17.500	1784.1462	4374.36	. . . Q .V . .
17.583	1812.1229	4062.22	. . . Q .V . .
17.667	1838.1810	3783.64	. . .Q .V . .
17.750	1862.4252	3520.25	. . Q. . V . .
17.833	1884.8431	3255.09	. . Q . V . .
17.917	1905.4226	2988.14	. . Q . . V . .
18.000	1924.2389	2732.13	. . Q . . V . .
18.083	1941.4340	2496.72	. . Q . . V . .
18.167	1957.1405	2280.60	. . Q . . V . .

18.250	1971.4448	2076.99	. .Q . . V .
18.333	1984.3860	1879.06	. Q . . V .
18.417	1996.0253	1690.03	. Q. . V .
18.500	2006.5144	1523.03	. Q . . V .
18.583	2016.0848	1389.62	. Q . . V .
18.667	2024.9557	1288.05	. Q . . V .
18.750	2033.2529	1204.76	. Q . . V .
18.833	2041.0289	1129.07	. Q . . V .
18.917	2048.3281	1059.84	. Q . . V .
19.000	2055.2156	1000.06	. Q . . V .
19.083	2061.7583	950.01	. Q . . V .
19.167	2068.0032	906.76	. Q . . V .
19.250	2073.9846	868.52	. Q . . V .
19.333	2079.7383	835.44	. Q . . V .
19.417	2085.3018	807.80	. Q . . V .
19.500	2090.7046	784.49	. Q . . V .
19.583	2095.9675	764.17	. Q . . V .
19.667	2101.1035	745.74	. Q . . V .
19.750	2106.1218	728.67	. Q . . V .
19.833	2111.0286	712.46	. Q . . V .
19.917	2115.8269	696.71	. Q . . V .
20.000	2120.5188	681.25	. Q . . V .
20.083	2125.1001	665.20	. Q . . V .
20.167	2129.5569	647.11	. Q . . V .
20.250	2133.8794	627.64	. Q . . V .
20.333	2138.0793	609.83	. Q . . V .
20.417	2142.1790	595.25	. Q . . V .
20.500	2146.1951	583.15	. Q . . V .
20.583	2150.1372	572.40	. Q . . V .
20.667	2154.0100	562.35	. Q . . V .
20.750	2157.8167	552.74	. Q . . V .
20.833	2161.5593	543.45	. Q . . V .
20.917	2165.2410	534.59	. Q . . V .
21.000	2168.8640	526.06	. Q . . V .
21.083	2172.4304	517.86	. Q . . V .
21.167	2175.9436	510.12	. Q . . V .
21.250	2179.4072	502.93	. Q . . V .
21.333	2182.8247	496.23	. Q . . V .
21.417	2186.1987	489.90	. Q . . V .
21.500	2189.5310	483.85	. Q . . V .
21.583	2192.8232	478.03	. Q . . V .
21.667	2196.0769	472.43	. Q . . V .
21.750	2199.2932	467.01	. Q . . V .
21.833	2202.4734	461.77	. Q . . V .
21.917	2205.6187	456.69	. Q . . V .
22.000	2208.7300	451.75	. Q . . V .
22.083	2211.8083	446.96	. Q . . V .
22.167	2214.8547	442.33	. Q . . V .
22.250	2217.8704	437.86	. Q . . V .
22.333	2220.8562	433.54	. Q . . V .
22.417	2223.8132	429.36	. Q . . V .
22.500	2226.7422	425.30	. Q . . V .
22.583	2229.6440	421.34	. Q . . V .
22.667	2232.5193	417.48	. Q . . V .
22.750	2235.3687	413.71	. Q . . V .
22.833	2238.1926	410.03	. Q . . V .
22.917	2240.9917	406.44	. Q . . V .
23.000	2243.7666	402.93	. Q . . V.
23.083	2246.5181	399.50	. Q . . V.
23.167	2249.2463	396.15	. Q . . V.
23.250	2251.9521	392.87	. Q . . V.
23.333	2254.6357	389.66	. Q . . V.
23.417	2257.2979	386.52	. Q . . V.
23.500	2259.9387	383.45	. Q . . V.
23.583	2262.5588	380.44	. Q . . V.
23.667	2265.1587	377.49	. Q . . V.

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  23.750   2267.7385    374.60  . Q       .         .         .         V.
  23.833   2270.2991    371.77  . Q       .         .         .         V.
  23.917   2272.8403    369.00  . Q       .         .         .         V.
  24.000   2275.3630    366.28  . Q       .         .         .         V.
  24.083   2277.8601    362.58  . Q       .         .         .         V.
  24.167   2280.3015    354.50  .Q        .         .         .         V.
  24.250   2282.6389    339.38  .Q        .         .         .         V.
  24.333   2284.8215    316.93  .Q        .         .         .         V.
  24.417   2286.8237    290.72  .Q        .         .         .         V.
  24.500   2288.6399    263.69  .Q        .         .         .         V.
  24.583   2290.2739    237.27  .Q        .         .         .         V.
  24.667   2291.7241    210.58  .Q        .         .         .         V.
  24.750   2292.9656    180.27  .Q        .         .         .         V.
  24.833   2293.9778    146.96  Q         .         .         .         V.
  24.917   2294.7815    116.69  Q         .         .         .         V.
  25.000   2295.4263     93.61  Q         .         .         .         V.
  25.083   2295.9570     77.06  Q         .         .         .         V.
  25.167   2296.4026     64.70  Q         .         .         .         V.
  25.250   2296.7810     54.95  Q         .         .         .         V.
  25.333   2297.1040     46.91  Q         .         .         .         V.
  25.417   2297.3806     40.15  Q         .         .         .         V.
  25.500   2297.6177     34.41  Q         .         .         .         V.
  25.583   2297.8208     29.51  Q         .         .         .         V.
  25.667   2297.9946     25.25  Q         .         .         .         V.
  25.750   2298.1428     21.52  Q         .         .         .         V.
  25.833   2298.2686     18.26  Q         .         .         .         V.
  25.917   2298.3750     15.45  Q         .         .         .         V.
  26.000   2298.4648     13.06  Q         .         .         .         V.
  26.083   2298.5410     11.06  Q         .         .         .         V.
  26.167   2298.6055      9.36  Q         .         .         .         V.
  26.250   2298.6599      7.91  Q         .         .         .         V.
  26.333   2298.7065      6.76  Q         .         .         .         V.
  26.417   2298.7476      5.94  Q         .         .         .         V.
  26.500   2298.7847      5.39  Q         .         .         .         V.
  26.583   2298.8188      4.98  Q         .         .         .         V.
  26.667   2298.8508      4.63  Q         .         .         .         V.
  26.750   2298.8806      4.31  Q         .         .         .         V.
  26.833   2298.9082      4.01  Q         .         .         .         V.
  26.917   2298.9338      3.71  Q         .         .         .         V.
  27.000   2298.9575      3.44  Q         .         .         .         V.
  27.083   2298.9795      3.18  Q         .         .         .         V.
  27.167   2298.9998      2.93  Q         .         .         .         V.
  27.250   2299.0183      2.68  Q         .         .         .         V.
  27.333   2299.0352      2.44  Q         .         .         .         V.
  27.417   2299.0503      2.20  Q         .         .         .         V.
  27.500   2299.0637      1.96  Q         .         .         .         V.
  27.583   2299.0757      1.72  Q         .         .         .         V.
  27.667   2299.0859      1.49  Q         .         .         .         V.
  27.750   2299.0947      1.26  Q         .         .         .         V.
  27.833   2299.1018      1.03  Q         .         .         .         V.
  27.917   2299.1074      0.81  Q         .         .         .         V.
  28.000   2299.1116      0.60  Q         .         .         .         V.
  28.083   2299.1143      0.39  Q         .         .         .         V.
  28.167   2299.1157      0.20  Q         .         .         .         V.
  28.250   2299.1165      0.10  Q         .         .         .         V.
  28.333   2299.1167      0.05  Q         .         .         .         V.
  28.417   2299.1169      0.03  Q         .         .         .         V.
  28.500   2299.1172      0.03  Q         .         .         .          V
  28.583   2299.1172      0.02  Q         .         .         .          V
  28.667   2299.1172      0.01  Q         .         .         .          V
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  END OF FLOODSCx ROUTING ANALYSIS
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PRELIMINARY DRAFT – FOR INTERNAL USE ONLY

HYDROLOGY ANALYSIS FOR CANADA GOBERNADORA PROPOSED CONDITION 100-YEAR HIGH CONFIDENCE STORM EVENT (BASIN-MULTI-DAY)

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                         Analysis prepared by:

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  FILE NAME: CP63CHS4.FLD
  TIME/DATE OF STUDY: 13:19 04/01/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    780.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  4741.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
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      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

        WATERSHED AREA =    4741.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.480 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  1.000
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.190|   0.190|   0.190|   0.190|   0.190|
        | LOW LOSS FRACTION |   0.550|   0.750|   0.900|   0.970|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.793
         30-MINUTE FACTOR = 0.793
          1-HOUR FACTOR = 0.793
          3-HOUR FACTOR = 0.969
          6-HOUR FACTOR = 0.984
         24-HOUR FACTOR = 0.990

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  17.361


        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
        MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


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                      UNIT HYDROGRAPH DETERMINATION

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    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------
        1                1.137               652.130
        2                4.082              1688.625
        3                8.525              2547.514
        4               14.577              3470.279
        5               24.203              5519.575
        6               43.203             10894.611
        7               57.937              8448.228
        8               65.484              4327.674
        9               70.911              3111.621
       10               75.443              2599.076
       11               78.982              2029.171
       12               82.133              1806.516
       13               84.749              1499.854
       14               87.075              1334.078
       15               88.974              1088.566
       16               90.645               958.165
       17               92.163               870.854
       18               93.467               747.418
       19               94.550               621.273
       20               95.489               538.119
       21               96.255               439.106
       22               96.815               321.374
       23               97.375               321.055
       24               97.900               301.316
       25               98.079               102.631
       26               98.169                51.477
       27               98.259                51.411
       28               98.349                51.608
       29               98.439                51.604
       30               98.528                51.219
       31               98.618                51.477
       32               98.708                51.477
       33               98.798                51.608
       34               98.887                51.346
       35               98.977                51.608
       36               99.067                51.604
       37               99.157                51.604
       38               99.247                51.604
       39               99.337                51.604
       40               99.427                51.604
       41               99.517                51.604
       42               99.607                51.604
       43               99.697                51.604
       44               99.787                51.604
       45               99.877                51.604
       46               99.967                51.604
       47              100.000                18.785


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =    2535.6968
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TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 1991.0461

5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	2025.0	4050.0	6075.0	8100.0
96.000	524.3721	57.05	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	524.7745	58.43	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	525.2059	62.64	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	525.6828	69.24	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	526.2228	78.41	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	526.8649	93.23	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	527.7108	122.82	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	528.7158	145.93	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	529.8037	157.97	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	530.9523	166.77	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	532.1523	174.25	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	533.3935	180.21	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	534.6719	185.62	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	535.9819	190.22	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	537.3209	194.42	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	538.6843	197.97	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	540.0699	201.20	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	541.4763	204.20	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	542.9012	206.90	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	544.3423	209.26	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	545.7985	211.43	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	547.2676	213.33	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	548.7479	214.94	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	550.2393	216.54	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	551.7415	218.12	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	553.2509	219.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	554.7665	220.08	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	556.2885	220.99	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	557.8170	221.93	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	559.3518	222.86	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	560.8932	223.82	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	562.4412	224.77	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	563.9959	225.74	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	565.5573	226.71	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	567.1254	227.70	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	568.7004	228.68	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	570.2823	229.69	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	571.8711	230.70	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	573.4670	231.73	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	575.0699	232.75	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	576.6802	233.80	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	578.2975	234.84	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	579.9223	235.92	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	581.5544	236.98	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	583.1940	238.07	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	584.8411	239.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	586.4959	240.27	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	588.1577	241.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	589.8264	242.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	591.5018	243.27	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	593.1842	244.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	594.8736	245.30	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	596.5702	246.34	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	598.2739	247.37	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	599.9849	248.44	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	601.7031	249.49	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	603.4288	250.58	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	605.1620	251.66	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	606.9028	252.77	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	608.6512	253.87	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	610.4075	255.01	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	612.1716	256.14	.Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
 101.167    613.9436    257.30  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.167)
 101.250    615.7236    258.46  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.250)
 101.333    617.5119    259.65  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.333)
 101.417    619.3083    260.84  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.417)
 101.500    621.1131    262.06  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.500)
 101.583    622.9263    263.27  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.583)
 101.667    624.7480    264.52  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.667)
 101.750    626.5784    265.76  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.750)
 101.833    628.4175    267.05  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.833)
 101.917    630.2655    268.32  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.917)
 102.000    632.1225    269.64  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.000)
 102.083    633.9885    270.94  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.083)
 102.167    635.8638    272.29  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.167)
 102.250    637.7483    273.63  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.250)
 102.333    639.6423    275.02  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.333)
 102.417    641.5458    276.39  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.417)
 102.500    643.4592    277.81  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.500)
 102.583    645.3822    279.23  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.583)
 102.667    647.3153    280.69  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.667)
 102.750    649.2584    282.14  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.750)
 102.833    651.2119    283.64  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.833)
 102.917    653.1755    285.13  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.917)
 103.000    655.1499    286.67  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.000)
 103.083    657.1348    288.21  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.083)
 103.167    659.1306    289.79  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.167)
 103.250    661.1373    291.37  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.250)
 103.333    663.1552    293.00  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.333)
 103.417    665.1843    294.63  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.417)
 103.500    667.2250    296.31  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.500)
 103.583    669.2772    297.98  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.583)
 103.667    671.3414    299.71  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.667)
 103.750    673.4174    301.43  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.750)
 103.833    675.5057    303.22  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.833)
 103.917    677.6062    305.00  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.917)
 104.000    679.7194    306.84  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.000)
 104.083    681.8453    308.67  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.083)
 104.167    683.9842    310.57  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.167)
 104.250    686.1362    312.46  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.250)
 104.333    688.3016    314.43  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.333)
 104.417    690.4805    316.38  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.417)
 104.500    692.6734    318.41  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.500)
 104.583    694.8802    320.42  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.583)
 104.667    697.1014    322.52  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.667)
 104.750    699.3370    324.61  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.750)
 104.833    701.5876    326.78  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.833)
 104.917    703.8530    328.94  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.917)
 105.000    706.1339    331.18  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.000)
 105.083    708.4301    333.42  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.083)
 105.167    710.7424    335.75  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.167)
 105.250    713.0707    338.07  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.250)
 105.333    715.4156    340.48  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
 105.417    717.7772    342.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
 105.500    720.1559    345.39  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
 105.583    722.5518    347.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
 105.667    724.9657    350.49  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
 105.750    727.3975    353.09  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
 105.833    729.8478    355.80  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
 105.917    732.3168    358.50  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
 106.000    734.8052    361.31  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
 106.083    737.3130    364.13  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
 106.167    739.8409    367.06  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
 106.250    742.3892    370.00  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
 106.333    744.9584    373.06  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
 106.417    747.5488    376.12  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
 106.500    750.1611    379.32  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
 106.583    752.7955    382.51  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
 106.667    755.4529    385.85  .Q        .    V    .         .         .
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 (PEAK DAY 1, HOUR  10.667)
106.750    758.1334    389.20  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    760.8378    392.69  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    763.5665    396.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    766.3203    399.86  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    769.0995    403.53  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    771.9052    407.38  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    774.7374    411.24  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    777.5974    415.28  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    780.4854    419.34  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    783.4028    423.60  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    786.3495    427.88  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    789.3273    432.36  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    792.3361    436.88  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    795.3776    441.62  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    798.4520    446.40  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    801.5609    451.42  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    804.7167    458.21  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    807.9401    468.03  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    811.2471    480.19  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    814.6569    495.10  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    818.2075    515.54  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    821.9995    550.61  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    825.9893    579.32  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    830.1044    597.50  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    834.3231    612.56  .  Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    838.6390    626.67  .  Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    843.0424    639.37  .  Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    847.5322    651.92  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    852.1049    663.96  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    856.7635    676.43  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    861.5088    689.01  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    866.3477    702.61  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    871.2896    717.55  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    876.3552    735.54  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    881.5556    755.09  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    886.9045    776.66  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    892.4076    799.06  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    898.0772    823.23  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    903.9202    848.40  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    909.9514    875.72  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    916.2261    911.09  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    922.8422    960.67  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    929.8752   1021.19  .    Q     .       V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    937.4159   1094.90  .    Q     .       V .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    945.6345   1193.34  .    Q     .       V .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    954.9769   1356.53  .     Q    .        V.         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    965.2540   1492.23  .      Q   .        V.         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    976.1564   1583.02  .      Q   .        V.         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    987.5969   1661.17  .       Q  .        V.         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    999.5599   1737.02  .       Q  .         V         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917   1012.0135   1808.27  .       Q  .         V         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1024.9714   1881.49  .        Q.         V         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1038.4275   1953.82  .        Q.         V         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1052.4082   2029.99  .         Q         .V        .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1066.9198   2107.09  .         Q         .V        .         .
 (PEAK DAY 1, HOUR  15.250)
111.333   1082.0043   2190.26  .         Q         .V        .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1097.5770   2261.16  .         .Q        . V       .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1113.5178   2314.61  .         .Q        . V       .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1129.7285   2353.79  .         .Q        . V       .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1146.1561   2385.29  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1162.5571   2381.42  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1178.1958   2270.74  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1193.8363   2271.00  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1210.8542   2471.00  .         . Q       .   V     .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1231.4600   2991.95  .         .   Q     .   V     .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1257.0110   3710.00  .         .       Q .    V    .         .
 (PEAK DAY 1, HOUR  16.167)
112.250   1287.2900   4396.52  .         .         .Q   V    .         .
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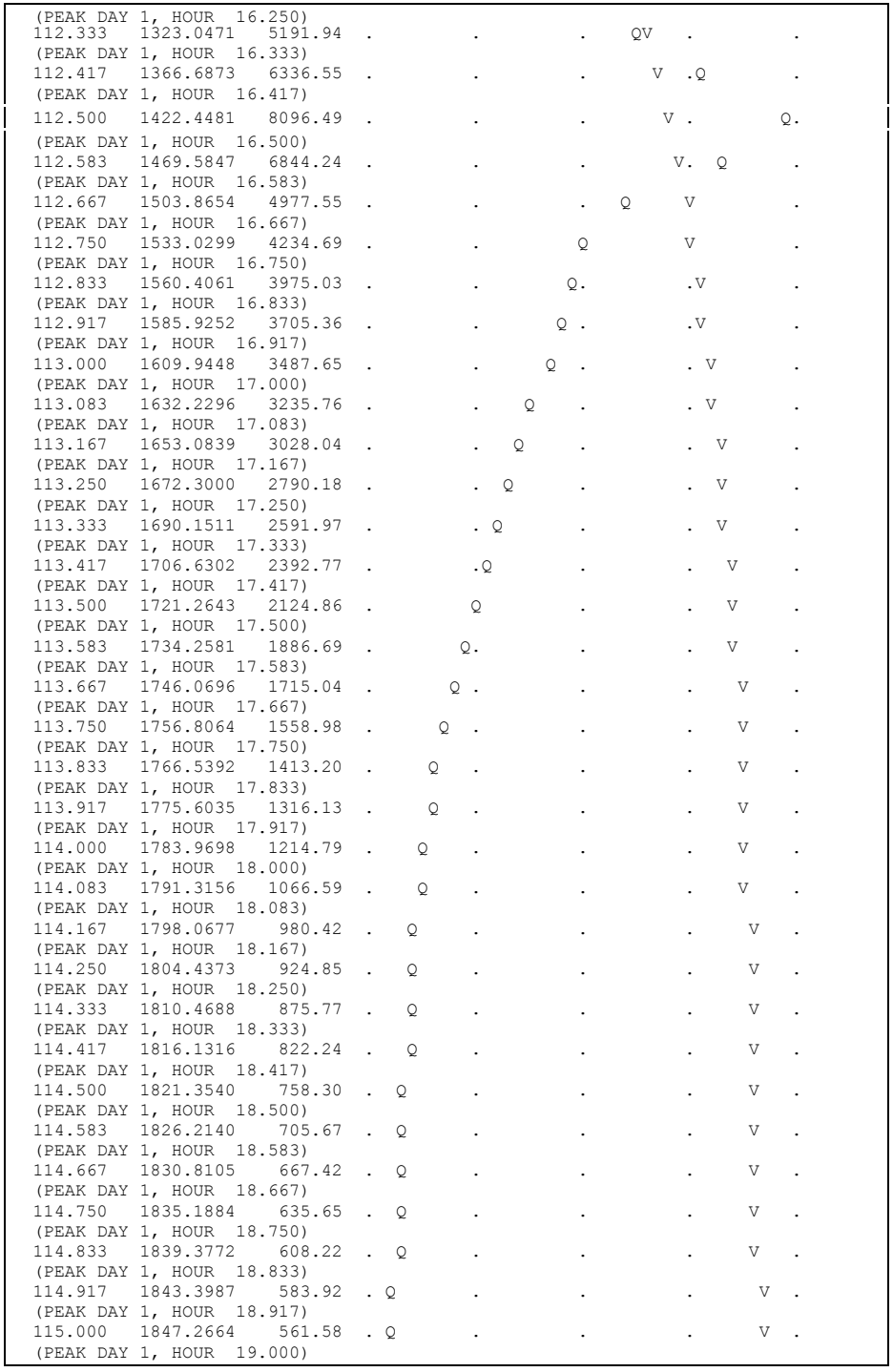
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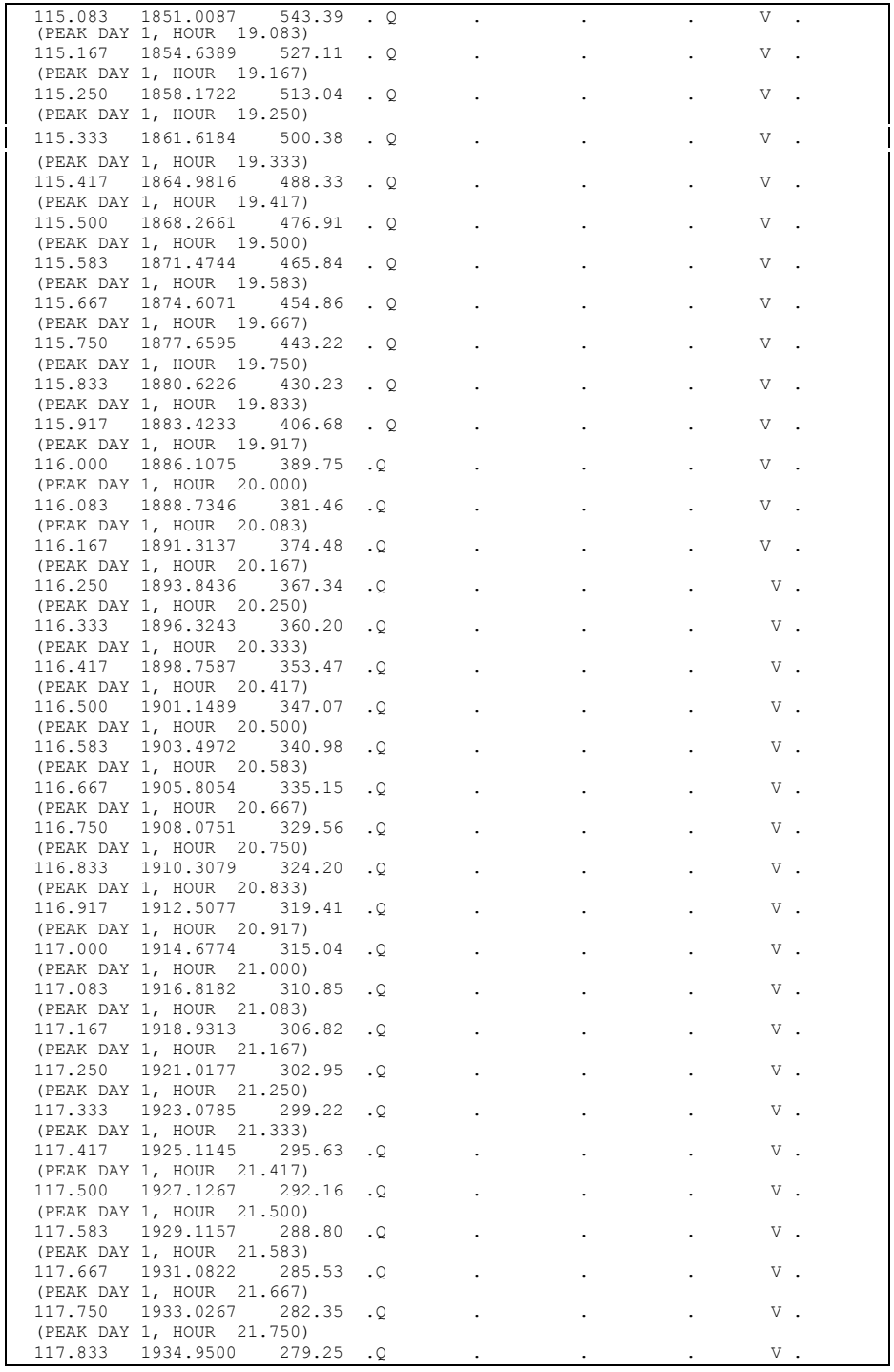
112.333 1323.0471 5191.94 . . . QV . .
(PEAK DAY 1, HOUR 16.333)
112.417 1366.6873 6336.55 . . . V .Q .
(PEAK DAY 1, HOUR 16.417)
112.500 1422.4481 8096.49 . . . V . Q.
(PEAK DAY 1, HOUR 16.500)
112.583 1469.5847 6844.24 . . . V. Q .
(PEAK DAY 1, HOUR 16.583)
112.667 1503.8654 4977.55 . . . Q V .
(PEAK DAY 1, HOUR 16.667)
112.750 1533.0299 4234.69 . . Q V .
(PEAK DAY 1, HOUR 16.750)
112.833 1560.4061 3975.03 . . Q. .V .
(PEAK DAY 1, HOUR 16.833)
112.917 1585.9252 3705.36 . . Q . .V .
(PEAK DAY 1, HOUR 16.917)
113.000 1609.9448 3487.65 . . Q . . V .
(PEAK DAY 1, HOUR 17.000)
113.083 1632.2296 3235.76 . . Q . . V .
(PEAK DAY 1, HOUR 17.083)
113.167 1653.0839 3028.04 . . Q . . V .
(PEAK DAY 1, HOUR 17.167)
113.250 1672.3000 2790.18 . . Q . . V .
(PEAK DAY 1, HOUR 17.250)
113.333 1690.1511 2591.97 . . Q . . V .
(PEAK DAY 1, HOUR 17.333)
113.417 1706.6302 2392.77 . .Q . . V .
(PEAK DAY 1, HOUR 17.417)
113.500 1721.2643 2124.86 . Q . . V .
(PEAK DAY 1, HOUR 17.500)
113.583 1734.2581 1886.69 . Q. . V .
(PEAK DAY 1, HOUR 17.583)
113.667 1746.0696 1715.04 . Q . . V .
(PEAK DAY 1, HOUR 17.667)
113.750 1756.8064 1558.98 . Q . . V .
(PEAK DAY 1, HOUR 17.750)
113.833 1766.5392 1413.20 . Q . . V .
(PEAK DAY 1, HOUR 17.833)
113.917 1775.6035 1316.13 . Q . . V .
(PEAK DAY 1, HOUR 17.917)
114.000 1783.9698 1214.79 . Q . . V .
(PEAK DAY 1, HOUR 18.000)
114.083 1791.3156 1066.59 . Q . . V .
(PEAK DAY 1, HOUR 18.083)
114.167 1798.0677 980.42 . Q . . V .
(PEAK DAY 1, HOUR 18.167)
114.250 1804.4373 924.85 . Q . . V .
(PEAK DAY 1, HOUR 18.250)
114.333 1810.4688 875.77 . Q . . V .
(PEAK DAY 1, HOUR 18.333)
114.417 1816.1316 822.24 . Q . . V .
(PEAK DAY 1, HOUR 18.417)
114.500 1821.3540 758.30 . Q . . V .
(PEAK DAY 1, HOUR 18.500)
114.583 1826.2140 705.67 . Q . . V .
(PEAK DAY 1, HOUR 18.583)
114.667 1830.8105 667.42 . Q . . V .
(PEAK DAY 1, HOUR 18.667)
114.750 1835.1884 635.65 . Q . . V .
(PEAK DAY 1, HOUR 18.750)
114.833 1839.3772 608.22 . Q . . V .
(PEAK DAY 1, HOUR 18.833)
114.917 1843.3987 583.92 . Q . . V .
(PEAK DAY 1, HOUR 18.917)
115.000 1847.2664 561.58 . Q . . V .
(PEAK DAY 1, HOUR 19.000)


115.083 1851.0087 543.39 . Q . . V .
(PEAK DAY 1, HOUR 19.083)
115.167 1854.6389 527.11 . Q . . V .
(PEAK DAY 1, HOUR 19.167)
115.250 1858.1722 513.04 . Q . . V .
(PEAK DAY 1, HOUR 19.250)
115.333 1861.6184 500.38 . Q . . V .
(PEAK DAY 1, HOUR 19.333)
115.417 1864.9816 488.33 . Q . . V .
(PEAK DAY 1, HOUR 19.417)
115.500 1868.2661 476.91 . Q . . V .
(PEAK DAY 1, HOUR 19.500)
115.583 1871.4744 465.84 . Q . . V .
(PEAK DAY 1, HOUR 19.583)
115.667 1874.6071 454.86 . Q . . V .
(PEAK DAY 1, HOUR 19.667)
115.750 1877.6595 443.22 . Q . . V .
(PEAK DAY 1, HOUR 19.750)
115.833 1880.6226 430.23 . Q . . V .
(PEAK DAY 1, HOUR 19.833)
115.917 1883.4233 406.68 . Q . . V .
(PEAK DAY 1, HOUR 19.917)
116.000 1886.1075 389.75 .Q . . V .
(PEAK DAY 1, HOUR 20.000)
116.083 1888.7346 381.46 .Q . . V .
(PEAK DAY 1, HOUR 20.083)
116.167 1891.3137 374.48 .Q . . V .
(PEAK DAY 1, HOUR 20.167)
116.250 1893.8436 367.34 .Q . . V .
(PEAK DAY 1, HOUR 20.250)
116.333 1896.3243 360.20 .Q . . V .
(PEAK DAY 1, HOUR 20.333)
116.417 1898.7587 353.47 .Q . . V .
(PEAK DAY 1, HOUR 20.417)
116.500 1901.1489 347.07 .Q . . V .
(PEAK DAY 1, HOUR 20.500)
116.583 1903.4972 340.98 .Q . . V .
(PEAK DAY 1, HOUR 20.583)
116.667 1905.8054 335.15 .Q . . V .
(PEAK DAY 1, HOUR 20.667)
116.750 1908.0751 329.56 .Q . . V .
(PEAK DAY 1, HOUR 20.750)
116.833 1910.3079 324.20 .Q . . V .
(PEAK DAY 1, HOUR 20.833)
116.917 1912.5077 319.41 .Q . . V .
(PEAK DAY 1, HOUR 20.917)
117.000 1914.6774 315.04 .Q . . V .
(PEAK DAY 1, HOUR 21.000)
117.083 1916.8182 310.85 .Q . . V .
(PEAK DAY 1, HOUR 21.083)
117.167 1918.9313 306.82 .Q . . V .
(PEAK DAY 1, HOUR 21.167)
117.250 1921.0177 302.95 .Q . . V .
(PEAK DAY 1, HOUR 21.250)
117.333 1923.0785 299.22 .Q . . V .
(PEAK DAY 1, HOUR 21.333)
117.417 1925.1145 295.63 .Q . . V .
(PEAK DAY 1, HOUR 21.417)
117.500 1927.1267 292.16 .Q . . V .
(PEAK DAY 1, HOUR 21.500)
117.583 1929.1157 288.80 .Q . . V .
(PEAK DAY 1, HOUR 21.583)
117.667 1931.0822 285.53 .Q . . V .
(PEAK DAY 1, HOUR 21.667)
117.750 1933.0267 282.35 .Q . . V .
(PEAK DAY 1, HOUR 21.750)
117.833 1934.9500 279.25 .Q . . V .

(PEAK DAY 1, HOUR 21.833)									
117.917	1936.8530	276.33	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 21.917)									
118.000	1938.7368	273.53	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 22.000)									
118.083	1940.6019	270.81	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 22.083)									
118.167	1942.4487	268.16	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.167)									
118.250	1944.2778	265.58	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.250)									
118.333	1946.0896	263.06	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.333)									
118.417	1947.8844	260.61	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.417)									
118.500	1949.6627	258.22	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.500)									
118.583	1951.4249	255.88	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.583)									
118.667	1953.1715	253.60	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.667)									
118.750	1954.9027	251.37	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.750)									
118.833	1956.6189	249.19	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.833)									
118.917	1958.3204	247.06	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.917)									
119.000	1960.0077	244.98	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.000)									
119.083	1961.6809	242.95	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.083)									
119.167	1963.3403	240.95	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.167)									
119.250	1964.9863	239.01	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.250)									
119.333	1966.6193	237.10	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.333)									
119.417	1968.2393	235.23	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.417)									
119.500	1969.8467	233.40	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.500)									
119.583	1971.4418	231.61	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.583)									
119.667	1973.0248	229.85	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.667)									
119.750	1974.5959	228.13	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.750)									
119.833	1976.1555	226.44	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.833)									
119.917	1977.7036	224.79	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.917)									
120.000	1979.2406	223.16	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.000)									
120.083	1980.7501	219.19	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.083)									
120.167	1982.2065	211.46	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.167)									
120.250	1983.5886	200.67	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.250)									
120.333	1984.8737	186.59	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.333)									
120.417	1986.0109	165.13	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.417)									
120.500	1986.8660	124.17	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.500)									
120.583	1987.5026	92.43	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.583)									
120.667	1988.0258	75.96	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.667)									
120.750	1988.4669	64.06	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.750)									
120.833	1988.8396	54.11	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.833)									
120.917	1989.1586	46.31	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.917)									
121.000	1989.4298	39.39	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.000)									
121.083	1989.6614	33.63	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.083)									
121.167	1989.8578	28.51	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.167)									
121.250	1990.0254	24.33	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.250)									
121.333	1990.1677	20.66	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.333)									
121.417	1990.2871	17.33	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.417)									
121.500	1990.3868	14.48	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.500)									
121.583	1990.4702	12.10	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.583)									
121.667	1990.5394	10.05	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.667)									
121.750	1990.5970	8.37	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.750)									
121.833	1990.6462	7.14	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.833)									
121.917	1990.6870	5.91	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.917)									
122.000	1990.7198	4.77	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.000)									
122.083	1990.7499	4.36	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.083)									
122.167	1990.7784	4.14	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.167)									
122.250	1990.8054	3.92	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.250)									
122.333	1990.8309	3.70	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.333)									
122.417	1990.8550	3.49	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.417)									
122.500	1990.8776	3.28	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.500)									
122.583	1990.8987	3.07	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.583)									
122.667	1990.9183	2.86	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.667)									
122.750	1990.9365	2.65	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.750)									
122.833	1990.9534	2.44	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.833)									
122.917	1990.9688	2.24	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.917)									
123.000	1990.9828	2.03	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.000)									
123.083	1990.9954	1.83	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.083)									
123.167	1991.0066	1.63	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.167)									
123.250	1991.0165	1.43	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.250)									
123.333	1991.0249	1.23	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.333)									
123.417	1991.0320	1.03	Q	.	.	.	V.		

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 (PEAK DAY 1, HOUR  27.417)
 123.500   1991.0377      0.84  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.500)
 123.583   1991.0421      0.64  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.583)
 123.667   1991.0452      0.45  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.667)
 123.750   1991.0470      0.26  Q          .          .          .           V
 (PEAK DAY 1, HOUR  27.750)
 123.833   1991.0475      0.07  Q          .          .          .           V
 (PEAK DAY 1, HOUR  27.833)
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FLOW PROCESS FROM NODE 780.00 TO NODE 780.00 IS CODE = 3.1

>>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<

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*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 4741.3 Ac. ***

```
             INFLOW
            (STREAM 1)
                |
                |
                V                 __effective depth
             -----------          |   (and volume)
            |           |    |    |
            |           |    |....V........
            | detention |<-->|            outflow
            |   basin   |    |.........________
             -----------     |    ^    |  \
                |            |  dead   |   basin outlet
                V            | storage |
             OUTFLOW          ---------
            (STREAM 1)
```

ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
THROUGH A FLOW-THROUGH DETENTION BASIN
SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
  DEAD STORAGE(AF) = 0.000
  SPECIFIED DEAD STORAGE(AF) FILLED = 0.000
  SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET = 0.000
  DETENTION BASIN CONSTANT LOSS RATE(CFS) = 0.00

BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

INTERVAL NUMBER	DEPTH (FT)	OUTFLOW (CFS)	STORAGE (AF)
1	0.00	0.00	0.000
2	4.00	678.00	0.500
3	5.00	771.00	1.400
4	6.00	853.30	3.500
5	7.00	930.30	7.200
6	9.00	1070.20	20.100
7	11.00	1195.00	37.900
8	13.00	1309.20	57.000
9	15.00	1415.40	91.500
10	17.00	1513.70	131.700
11	19.00	1607.50	173.100
12	21.00	1696.00	215.800
13	23.00	1782.70	259.800
14	25.00	1827.90	305.100
15	27.00	1878.30	351.900
16	29.00	1935.00	400.000
17	31.00	1995.20	449.400

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MODIFIED-PULS BASIN ROUTING MODEL RESULTS(5-MINUTE COMPUTATION INTERVALS):
(Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time;
MEAN OUTFLOW is the average value during the unit interval.)

PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
1	0.001	96.001	0.000	57.05	0.00	0.34	57.1	0.042
1	0.084	96.084	0.000	58.43	0.00	0.35	58.2	0.044
1	0.167	96.167	0.000	62.64	0.00	0.38	62.1	0.048
1	0.251	96.251	0.000	69.24	0.00	0.43	68.4	0.053
1	0.334	96.334	0.000	78.41	0.00	0.49	77.3	0.061
1	0.417	96.417	0.000	93.23	0.00	0.59	91.3	0.074
1	0.501	96.501	0.000	122.82	0.00	0.81	118.8	0.101
1	0.584	96.584	0.000	145.93	0.00	0.89	144.4	0.112
1	0.667	96.667	0.000	157.97	0.00	0.96	156.8	0.120
1	0.751	96.751	0.000	166.77	0.00	1.00	166.0	0.125
1	0.834	96.834	0.000	174.25	0.00	1.05	173.4	0.131
1	0.917	96.917	0.000	180.21	0.00	1.07	179.7	0.134
1	1.001	97.001	0.000	185.62	0.00	1.11	185.0	0.139
1	1.084	97.084	0.000	190.22	0.00	1.13	189.8	0.141
1	1.167	97.167	0.000	194.42	0.00	1.16	194.0	0.145
1	1.251	97.251	0.000	197.97	0.00	1.17	197.6	0.147
1	1.334	97.334	0.000	201.20	0.00	1.19	200.8	0.149
1	1.417	97.417	0.000	204.20	0.00	1.21	203.9	0.151
1	1.501	97.501	0.000	206.90	0.00	1.23	206.6	0.153
1	1.584	97.584	0.000	209.26	0.00	1.24	209.0	0.155
1	1.667	97.667	0.000	211.43	0.00	1.25	211.2	0.157
1	1.751	97.751	0.000	213.33	0.00	1.26	213.1	0.158
1	1.834	97.834	0.000	214.94	0.00	1.27	214.8	0.159
1	1.917	97.917	0.000	216.54	0.00	1.28	216.4	0.160
1	2.001	98.001	0.000	218.12	0.00	1.29	218.0	0.161
1	2.084	98.084	0.000	219.16	0.00	1.29	219.1	0.162
1	2.167	98.167	0.000	220.08	0.00	1.30	220.0	0.163
1	2.251	98.251	0.000	220.99	0.00	1.31	220.9	0.163
1	2.334	98.334	0.000	221.93	0.00	1.31	221.8	0.164
1	2.417	98.417	0.000	222.86	0.00	1.32	222.8	0.165
1	2.501	98.501	0.000	223.82	0.00	1.32	223.7	0.165
1	2.584	98.584	0.000	224.77	0.00	1.33	224.7	0.166
1	2.667	98.667	0.000	225.74	0.00	1.33	225.6	0.167
1	2.751	98.751	0.000	226.71	0.00	1.34	226.6	0.167
1	2.834	98.834	0.000	227.70	0.00	1.35	227.6	0.168
1	2.917	98.917	0.000	228.68	0.00	1.35	228.6	0.169
1	3.001	99.001	0.000	229.69	0.00	1.36	229.6	0.170
1	3.084	99.084	0.000	230.70	0.00	1.36	230.6	0.170
1	3.167	99.167	0.000	231.73	0.00	1.37	231.6	0.171
1	3.251	99.251	0.000	232.75	0.00	1.38	232.6	0.172
1	3.334	99.334	0.000	233.80	0.00	1.38	233.7	0.173
1	3.417	99.417	0.000	234.84	0.00	1.39	234.7	0.173
1	3.501	99.501	0.000	235.92	0.00	1.39	235.8	0.174
1	3.584	99.584	0.000	236.98	0.00	1.40	236.9	0.175
1	3.667	99.667	0.000	238.07	0.00	1.41	238.0	0.176
1	3.751	99.751	0.000	239.16	0.00	1.41	239.0	0.177
1	3.834	99.834	0.000	240.27	0.00	1.42	240.2	0.178
1	3.917	99.917	0.000	241.29	0.00	1.43	241.2	0.178
1	4.001	100.001	0.000	242.29	0.00	1.43	242.2	0.179
1	4.084	100.084	0.000	243.27	0.00	1.44	243.2	0.180
1	4.167	100.167	0.000	244.29	0.00	1.44	244.2	0.180

1	4.251	100.251	0.000	245.30	0.00	1.45	245.2	0.181
1	4.334	100.334	0.000	246.34	0.00	1.46	246.2	0.182
1	4.417	100.417	0.000	247.37	0.00	1.46	247.3	0.183
1	4.501	100.501	0.000	248.44	0.00	1.47	248.3	0.184
1	4.584	100.584	0.000	249.49	0.00	1.47	249.4	0.184
1	4.667	100.667	0.000	250.58	0.00	1.48	250.5	0.185
1	4.751	100.751	0.000	251.66	0.00	1.49	251.5	0.186
1	4.834	100.834	0.000	252.77	0.00	1.49	252.6	0.187
1	4.917	100.917	0.000	253.87	0.00	1.50	253.8	0.188
1	5.001	101.001	0.000	255.01	0.00	1.51	254.9	0.188
1	5.084	101.084	0.000	256.14	0.00	1.51	256.0	0.189
1	5.167	101.167	0.000	257.30	0.00	1.52	257.2	0.190
1	5.251	101.251	0.000	258.46	0.00	1.53	258.3	0.191
1	5.334	101.334	0.000	259.65	0.00	1.53	259.5	0.192
1	5.417	101.417	0.000	260.84	0.00	1.54	260.7	0.193
1	5.501	101.501	0.000	262.06	0.00	1.55	261.9	0.194
1	5.584	101.584	0.000	263.27	0.00	1.56	263.1	0.194
1	5.667	101.667	0.000	264.52	0.00	1.56	264.4	0.195
1	5.751	101.751	0.000	265.76	0.00	1.57	265.6	0.196
1	5.834	101.834	0.000	267.05	0.00	1.58	266.9	0.197
1	5.917	101.917	0.000	268.32	0.00	1.59	268.2	0.198
1	6.001	102.001	0.000	269.64	0.00	1.59	269.5	0.199
1	6.084	102.084	0.000	270.94	0.00	1.60	270.8	0.200
1	6.167	102.167	0.000	272.29	0.00	1.61	272.1	0.201
1	6.251	102.251	0.000	273.63	0.00	1.62	273.5	0.202
1	6.334	102.334	0.000	275.02	0.00	1.63	274.9	0.203
1	6.417	102.417	0.000	276.39	0.00	1.63	276.2	0.204
1	6.501	102.501	0.000	277.81	0.00	1.64	277.7	0.205
1	6.584	102.584	0.000	279.23	0.00	1.65	279.1	0.206
1	6.667	102.667	0.000	280.69	0.00	1.66	280.5	0.207
1	6.751	102.751	0.000	282.14	0.00	1.67	282.0	0.208
1	6.834	102.834	0.000	283.64	0.00	1.68	283.5	0.210
1	6.917	102.917	0.000	285.13	0.00	1.69	285.0	0.211
1	7.001	103.001	0.000	286.67	0.00	1.70	286.5	0.212
1	7.084	103.084	0.000	288.21	0.00	1.70	288.0	0.213
1	7.167	103.167	0.000	289.79	0.00	1.71	289.6	0.214
1	7.251	103.251	0.000	291.37	0.00	1.72	291.2	0.215
1	7.334	103.334	0.000	293.00	0.00	1.73	292.8	0.217
1	7.417	103.417	0.000	294.63	0.00	1.74	294.5	0.218
1	7.501	103.501	0.000	296.31	0.00	1.75	296.1	0.219
1	7.584	103.584	0.000	297.98	0.00	1.76	297.8	0.220
1	7.667	103.667	0.000	299.71	0.00	1.77	299.5	0.222
1	7.751	103.751	0.000	301.43	0.00	1.78	301.3	0.223
1	7.834	103.834	0.000	303.22	0.00	1.79	303.0	0.224
1	7.917	103.917	0.000	305.00	0.00	1.80	304.8	0.225
1	8.001	104.001	0.000	306.84	0.00	1.81	306.6	0.227
1	8.084	104.084	0.000	308.67	0.00	1.83	308.5	0.228
1	8.167	104.167	0.000	310.57	0.00	1.84	310.4	0.230
1	8.251	104.251	0.000	312.46	0.00	1.85	312.3	0.231
1	8.334	104.334	0.000	314.43	0.00	1.86	314.2	0.232
1	8.418	104.418	0.000	316.38	0.00	1.87	316.2	0.234
1	8.501	104.501	0.000	318.41	0.00	1.88	318.2	0.235
1	8.584	104.584	0.000	320.42	0.00	1.89	320.2	0.237
1	8.668	104.668	0.000	322.52	0.00	1.91	322.3	0.238
1	8.751	104.751	0.000	324.61	0.00	1.92	324.4	0.240
1	8.834	104.834	0.000	326.78	0.00	1.93	326.5	0.242
1	8.918	104.918	0.000	328.94	0.00	1.95	328.7	0.243
1	9.001	105.001	0.000	331.18	0.00	1.96	330.9	0.245
1	9.084	105.084	0.000	333.42	0.00	1.97	333.2	0.247
1	9.168	105.168	0.000	335.75	0.00	1.99	335.5	0.248
1	9.251	105.251	0.000	338.07	0.00	2.00	337.8	0.250
1	9.334	105.334	0.000	340.48	0.00	2.01	340.2	0.252
1	9.418	105.418	0.000	342.89	0.00	2.03	342.6	0.254
1	9.501	105.501	0.000	345.39	0.00	2.04	345.1	0.255
1	9.584	105.584	0.000	347.89	0.00	2.06	347.6	0.257
1	9.668	105.668	0.000	350.49	0.00	2.07	350.2	0.259
1	9.751	105.751	0.000	353.09	0.00	2.09	352.8	0.261
1	9.834	105.834	0.000	355.80	0.00	2.11	355.5	0.263
1	9.918	105.918	0.000	358.50	0.00	2.12	358.2	0.265
1	10.001	106.001	0.000	361.31	0.00	2.14	361.0	0.267
1	10.084	106.084	0.000	364.13	0.00	2.15	363.8	0.269
1	10.168	106.168	0.000	367.06	0.00	2.17	366.7	0.272
1	10.251	106.251	0.000	370.00	0.00	2.19	369.7	0.274
1	10.334	106.334	0.000	373.06	0.00	2.21	372.7	0.276
1	10.418	106.418	0.000	376.12	0.00	2.23	375.8	0.278
1	10.501	106.501	0.000	379.32	0.00	2.25	379.0	0.281
1	10.584	106.584	0.000	382.51	0.00	2.26	382.2	0.283
1	10.668	106.668	0.000	385.85	0.00	2.28	385.5	0.286
1	10.751	106.751	0.000	389.20	0.00	2.30	388.8	0.288
1	10.834	106.834	0.000	392.69	0.00	2.33	392.3	0.291
1	10.918	106.918	0.000	396.19	0.00	2.35	395.8	0.293
1	11.001	107.001	0.000	399.86	0.00	2.37	399.4	0.296
1	11.084	107.084	0.000	403.53	0.00	2.39	403.2	0.299
1	11.168	107.168	0.000	407.38	0.00	2.41	406.9	0.302
1	11.251	107.251	0.000	411.24	0.00	2.43	410.8	0.304
1	11.334	107.334	0.000	415.28	0.00	2.46	414.8	0.307
1	11.418	107.418	0.000	419.34	0.00	2.48	418.9	0.310
1	11.501	107.501	0.000	423.60	0.00	2.51	423.1	0.314
1	11.584	107.584	0.000	427.88	0.00	2.53	427.4	0.317
1	11.668	107.668	0.000	432.36	0.00	2.56	431.9	0.320
1	11.751	107.751	0.000	436.88	0.00	2.59	436.4	0.323
1	11.834	107.834	0.000	441.62	0.00	2.62	441.1	0.327
1	11.918	107.918	0.000	446.40	0.00	2.64	445.9	0.331
1	12.001	108.001	0.000	451.42	0.00	2.68	450.9	0.334
1	12.084	108.084	0.000	458.21	0.00	2.72	457.4	0.340
1	12.168	108.168	0.000	468.03	0.00	2.79	466.8	0.348
1	12.251	108.251	0.000	480.19	0.00	2.86	478.8	0.358
1	12.334	108.334	0.000	495.10	0.00	2.96	493.4	0.370
1	12.418	108.418	0.000	515.54	0.00	3.10	513.1	0.387
1	12.501	108.501	0.000	550.61	0.00	3.35	546.0	0.418
1	12.584	108.584	0.000	579.32	0.00	3.46	577.2	0.433
1	12.668	108.668	0.000	597.50	0.00	3.57	595.7	0.446
1	12.751	108.751	0.000	612.56	0.00	3.65	611.1	0.456
1	12.834	108.834	0.000	626.67	0.00	3.73	625.1	0.466
1	12.918	108.918	0.000	639.37	0.00	3.80	638.1	0.475
1	13.001	109.001	0.000	651.92	0.00	3.88	650.5	0.485
1	13.084	109.084	0.000	663.96	0.00	3.94	662.7	0.493
1	13.168	109.168	0.000	676.43	0.00	4.01	673.8	0.511
1	13.251	109.251	0.000	689.01	0.00	4.07	681.7	0.561
1	13.334	109.334	0.000	702.61	0.00	4.17	689.1	0.654
1	13.418	109.418	0.000	717.55	0.00	4.30	700.1	0.774
1	13.501	109.501	0.000	735.54	0.00	4.47	714.0	0.922
1	13.584	109.584	0.000	755.09	0.00	4.66	730.4	1.092
1	13.668	109.668	0.000	776.66	0.00	4.87	749.0	1.283
1	13.751	109.751	0.000	799.06	0.00	5.05	767.0	1.504
1	13.834	109.834	0.000	823.23	0.00	5.19	780.8	1.796
1	13.918	109.918	0.000	848.40	0.00	5.37	793.9	2.171
1	14.001	110.001	0.000	875.72	0.00	5.58	810.1	2.623
1	14.084	110.084	0.000	911.09	0.00	5.85	829.9	3.183
1	14.168	110.168	0.000	960.67	0.00	6.12	851.6	3.934
1	14.251	110.251	0.000	1021.19	0.00	6.39	873.0	4.955
1	14.334	110.334	0.000	1094.90	0.00	6.76	897.7	6.313
1	14.418	110.418	0.000	1193.34	0.00	7.15	926.2	8.152
1	14.501	110.501	0.000	1356.53	0.00	7.58	955.6	10.914
1	14.584	110.584	0.000	1492.23	0.00	8.11	989.4	14.377
1	14.668	110.668	0.000	1583.02	0.00	8.70	1028.8	18.194
1	14.751	110.751	0.000	1661.17	0.00	9.25	1067.5	22.282
1	14.834	110.834	0.000	1737.02	0.00	9.74	1100.9	26.664
1	14.918	110.918	0.000	1808.27	0.00	10.26	1132.5	31.317
1	15.001	111.001	0.000	1881.49	0.00	10.81	1166.1	36.244
1	15.084	111.084	0.000	1953.82	0.00	11.37	1199.8	41.437
1	15.168	111.168	0.000	2029.99	0.00	11.95	1232.6	46.929
1	15.251	111.251	0.000	2107.09	0.00	12.55	1266.3	52.720
1	15.334	111.334	0.000	2190.26	0.00	13.11	1299.3	58.856

1	15.418	111.418	0.000	2261.16	0.00	13.48	1324.8	65.305
1	15.501	111.501	0.000	2314.61	0.00	13.87	1345.0	71.982
1	15.584	111.584	0.000	2353.79	0.00	14.26	1365.8	78.787
1	15.668	111.668	0.000	2385.29	0.00	14.66	1386.8	85.663
1	15.751	111.751	0.000	2381.42	0.00	15.04	1407.5	92.370
1	15.834	111.834	0.000	2270.74	0.00	15.33	1424.7	98.197
1	15.918	111.918	0.000	2271.00	0.00	15.62	1438.8	103.929
1	16.001	112.001	0.000	2471.00	0.00	15.97	1454.4	110.931
1	16.084	112.084	0.000	2991.95	0.00	16.49	1475.7	121.373
1	16.168	112.168	0.000	3710.00	0.00	17.23	1506.6	136.548
1	16.251	112.251	0.000	4396.52	0.00	18.18	1546.9	156.174
1	16.334	112.334	0.000	5191.94	0.00	19.37	1596.4	180.936
1	16.418	112.418	0.000	6336.55	0.00	20.88	1657.1	213.163
1	16.501	112.501	0.000	8096.49	0.00	22.87	1733.8	256.983
1	16.584	112.584	0.000	6844.24	0.00	24.41	1795.9	291.752
1	16.668	112.668	0.000	4977.55	0.00	25.36	1825.7	313.458
1	16.751	112.751	0.000	4234.69	0.00	26.06	1845.8	329.911
1	16.834	112.834	0.000	3975.03	0.00	26.68	1862.5	344.460
1	16.918	112.918	0.000	3705.36	0.00	27.21	1877.3	357.050
1	17.001	113.001	0.000	3487.65	0.00	27.67	1890.9	368.047
1	17.084	113.084	0.000	3235.76	0.00	28.05	1902.7	377.228
1	17.168	113.168	0.000	3028.04	0.00	28.37	1912.7	384.910
1	17.251	113.251	0.000	2790.18	0.00	28.62	1920.7	390.897
1	17.334	113.334	0.000	2591.97	0.00	28.81	1927.0	395.477
1	17.418	113.418	0.000	2392.77	0.00	28.94	1931.5	398.654
1	17.501	113.501	0.000	2124.86	0.00	29.00	1934.2	399.967
1	17.584	113.584	0.000	1886.69	0.00	28.98	1934.8	399.636
1	17.668	113.668	0.000	1715.04	0.00	28.92	1933.7	398.130
1	17.751	113.751	0.000	1558.98	0.00	28.82	1931.3	395.566
1	17.834	113.834	0.000	1413.20	0.00	28.67	1927.7	392.023
1	17.918	113.918	0.000	1316.13	0.00	28.49	1923.1	387.842
1	18.001	114.001	0.000	1214.79	0.00	28.29	1917.8	383.001
1	18.084	114.084	0.000	1066.59	0.00	28.05	1911.5	377.182
1	18.168	114.168	0.000	980.42	0.00	27.79	1904.4	370.818
1	18.251	114.251	0.000	924.85	0.00	27.51	1896.7	364.125
1	18.334	114.334	0.000	875.77	0.00	27.22	1888.6	357.150
1	18.418	114.418	0.000	822.24	0.00	26.91	1880.3	349.863
1	18.501	114.501	0.000	758.30	0.00	26.59	1872.0	342.193
1	18.584	114.584	0.000	705.67	0.00	26.24	1863.6	334.219
1	18.668	114.668	0.000	667.42	0.00	25.89	1854.9	326.041
1	18.751	114.751	0.000	635.65	0.00	25.54	1846.0	317.705
1	18.834	114.834	0.000	608.22	0.00	25.18	1836.9	309.243
1	18.918	114.918	0.000	583.92	0.00	24.80	1827.9	300.676
1	19.001	115.001	0.000	561.58	0.00	24.42	1819.2	292.015
1	19.084	115.084	0.000	543.39	0.00	24.04	1810.5	283.288
1	19.168	115.168	0.000	527.11	0.00	23.65	1801.8	274.510
1	19.251	115.251	0.000	513.04	0.00	23.26	1793.0	265.694
1	19.335	115.335	0.000	500.38	0.00	22.87	1782.7	256.863
1	19.418	115.418	0.000	488.33	0.00	22.47	1768.2	248.048
1	19.501	115.501	0.000	476.91	0.00	22.07	1750.9	239.274
1	19.585	115.585	0.000	465.84	0.00	21.67	1733.7	230.542
1	19.668	115.668	0.000	454.86	0.00	21.28	1716.5	221.854
1	19.751	115.751	0.000	443.22	0.00	20.88	1699.3	213.203
1	19.835	115.835	0.000	430.23	0.00	20.47	1681.7	204.584
1	19.918	115.918	0.000	406.68	0.00	20.07	1663.8	195.927
1	20.001	116.001	0.000	389.75	0.00	19.66	1645.8	187.276
1	20.085	116.085	0.000	381.46	0.00	19.26	1628.0	178.691
1	20.168	116.168	0.000	374.48	0.00	18.86	1610.0	170.182
1	20.251	116.251	0.000	367.34	0.00	18.45	1591.3	161.752
1	20.335	116.335	0.000	360.20	0.00	18.05	1572.3	153.404
1	20.418	116.418	0.000	353.47	0.00	17.65	1553.5	145.139
1	20.501	116.501	0.000	347.07	0.00	17.25	1534.9	136.959
1	20.585	116.585	0.000	340.98	0.00	16.86	1516.2	128.865
1	20.668	116.668	0.000	335.15	0.00	16.46	1497.0	120.863
1	20.751	116.751	0.000	329.56	0.00	16.07	1477.5	112.957
1	20.835	116.835	0.000	324.20	0.00	15.68	1458.3	105.146
1	20.918	116.918	0.000	319.41	0.00	15.30	1439.3	97.434
1	21.001	117.001	0.000	315.04	0.00	14.90	1420.1	89.823
1	21.085	117.085	0.000	310.85	0.00	14.47	1398.7	82.331
1	21.168	117.168	0.000	306.82	0.00	14.04	1375.8	74.969
1	21.251	117.251	0.000	302.95	0.00	13.62	1353.4	67.734
1	21.335	117.335	0.000	299.22	0.00	13.21	1331.3	60.626
1	21.418	117.418	0.000	295.63	0.00	12.65	1304.8	53.676
1	21.501	117.501	0.000	292.16	0.00	11.95	1269.2	46.947
1	21.585	117.585	0.000	288.80	0.00	11.27	1229.7	40.467
1	21.668	117.668	0.000	285.53	0.00	10.59	1189.8	34.239
1	21.751	117.751	0.000	282.35	0.00	9.92	1148.4	28.274
1	21.835	117.835	0.000	279.25	0.00	9.28	1107.5	22.570
1	21.918	117.918	0.000	276.33	0.00	8.54	1062.9	17.153
1	22.001	118.001	0.000	273.53	0.00	7.76	1010.7	12.076
1	22.085	118.085	0.000	270.81	0.00	7.02	957.5	7.346
1	22.168	118.168	0.000	268.16	0.00	5.81	884.7	3.100
1	22.251	118.251	0.000	265.58	0.00	2.88	663.3	0.361
1	22.335	118.335	0.000	263.06	0.00	0.69	302.9	0.086
1	22.418	118.418	0.000	260.61	0.00	2.09	235.3	0.261
1	22.501	118.501	0.000	258.22	0.00	1.16	275.1	0.145
1	22.585	118.585	0.000	255.88	0.00	1.74	245.4	0.217
1	22.668	118.668	0.000	253.60	0.00	1.34	260.8	0.168
1	22.751	118.751	0.000	251.37	0.00	1.58	247.1	0.197
1	22.835	118.835	0.000	249.19	0.00	1.40	252.3	0.175
1	22.918	118.918	0.000	247.06	0.00	1.49	245.4	0.187
1	23.001	119.001	0.000	244.98	0.00	1.41	246.4	0.177
1	23.085	119.085	0.000	242.95	0.00	1.45	242.4	0.181
1	23.168	119.168	0.000	240.95	0.00	1.41	241.7	0.176
1	23.251	119.251	0.000	239.01	0.00	1.41	238.9	0.177
1	23.335	119.335	0.000	237.10	0.00	1.39	237.5	0.174
1	23.418	119.418	0.000	235.23	0.00	1.39	235.3	0.173
1	23.501	119.501	0.000	233.40	0.00	1.37	233.7	0.171
1	23.585	119.585	0.000	231.61	0.00	1.36	231.7	0.170
1	23.668	119.668	0.000	229.85	0.00	1.35	230.1	0.169
1	23.751	119.751	0.000	228.13	0.00	1.34	228.3	0.168
1	23.835	119.835	0.000	226.44	0.00	1.33	226.6	0.166
1	23.918	119.918	0.000	224.79	0.00	1.32	225.0	0.165
1	24.001	120.001	0.000	223.16	0.00	1.31	223.3	0.164
1	24.085	120.085	0.000	219.19	0.00	1.28	219.8	0.160
1	24.168	120.168	0.000	211.46	0.00	1.23	212.4	0.153
1	24.251	120.251	0.000	200.67	0.00	1.16	201.9	0.145
1	24.335	120.335	0.000	186.59	0.00	1.06	188.3	0.133
1	24.418	120.418	0.000	165.13	0.00	0.92	167.8	0.114
1	24.501	120.501	0.000	124.17	0.00	0.61	129.6	0.077
1	24.585	120.585	0.000	92.43	0.00	0.50	94.5	0.063
1	24.668	120.668	0.000	75.96	0.00	0.41	77.5	0.052
1	24.751	120.751	0.000	64.06	0.00	0.35	65.1	0.044
1	24.835	120.835	0.000	54.11	0.00	0.30	55.2	0.037
1	24.918	120.918	0.000	46.31	0.00	0.26	47.0	0.032
1	25.001	121.001	0.000	39.39	0.00	0.22	40.2	0.027
1	25.085	121.085	0.000	33.63	0.00	0.19	34.1	0.023
1	25.168	121.168	0.000	28.51	0.00	0.16	29.1	0.019
1	25.251	121.251	0.000	24.33	0.00	0.14	24.7	0.017
1	25.335	121.335	0.000	20.66	0.00	0.11	21.1	0.014
1	25.418	121.418	0.000	17.33	0.00	0.10	17.7	0.012
1	25.501	121.501	0.000	14.48	0.00	0.08	14.8	0.010
1	25.585	121.585	0.000	12.10	0.00	0.07	12.3	0.008
1	25.668	121.668	0.000	10.05	0.00	0.05	10.3	0.007
1	25.751	121.751	0.000	8.37	0.00	0.05	8.5	0.006
1	25.835	121.835	0.000	7.14	0.00	0.04	7.3	0.005
1	25.918	121.918	0.000	5.91	0.00	0.03	6.1	0.004
1	26.001	122.001	0.000	4.77	0.00	0.03	4.9	0.003
1	26.085	122.085	0.000	4.36	0.00	0.03	4.4	0.003
1	26.168	122.168	0.000	4.14	0.00	0.02	4.2	0.003
1	26.251	122.251	0.000	3.92	0.00	0.02	3.9	0.003
1	26.335	122.335	0.000	3.70	0.00	0.02	3.7	0.003
1	26.418	122.418	0.000	3.49	0.00	0.02	3.5	0.003
1	26.501	122.501	0.000	3.28	0.00	0.02	3.3	0.002

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 1  26.585 122.585        0.000     3.07     0.00      0.02      3.1      0.002
 1  26.668 122.668        0.000     2.86     0.00      0.02      2.9      0.002
 1  26.751 122.751        0.000     2.65     0.00      0.02      2.7      0.002
 1  26.835 122.835        0.000     2.44     0.00      0.01      2.5      0.002
 1  26.918 122.918        0.000     2.24     0.00      0.01      2.3      0.002
 1  27.001 123.001        0.000     2.03     0.00      0.01      2.1      0.001
 1  27.085 123.085        0.000     1.83     0.00      0.01      1.9      0.001
 1  27.168 123.168        0.000     1.63     0.00      0.01      1.6      0.001
 1  27.251 123.251        0.000     1.43     0.00      0.01      1.4      0.001
 1  27.335 123.335        0.000     1.23     0.00      0.01      1.3      0.001
 1  27.418 123.418        0.000     1.03     0.00      0.01      1.1      0.001
 1  27.501 123.501        0.000     0.84     0.00      0.00      0.9      0.001
 1  27.585 123.585        0.000     0.64     0.00      0.00      0.7      0.000
 1  27.668 123.668        0.000     0.45     0.00      0.00      0.5      0.000
 1  27.751 123.751        0.000     0.26     0.00      0.00      0.3      0.000
 1  27.835 123.835        0.000     0.07     0.00      0.00      0.1      0.000
 1  27.918 123.918        0.000     0.00     0.00      0.00      0.0      0.000
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
--------------------------------------------------------------------------------
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1991.048 AF
    BASIN  STORAGE =      0.000 AF (WITH      0.000 AF INITIALLY FILLED)
    OUTFLOW VOLUME =   1991.047 AF
    LOSS    VOLUME =      0.000 AF
================================================================================



********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      500.0    1000.0    1500.0    2000.0
--------------------------------------------------------------------------------
  96.000    524.3303     57.10  .Q        V         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    524.7308     58.16  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    525.1583     62.08  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    525.6297     68.45  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    526.1621     77.30  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    526.7911     91.33  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    527.6095    118.84  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    528.6042    144.43  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    529.6842    156.81  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    530.8272    165.97  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    532.0217    173.45  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    533.2592    179.68  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    534.5334    185.01  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    535.8406    189.81  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    537.1763    193.95  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    538.5375    197.65  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    539.9207    200.83  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    541.3250    203.90  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    542.7479    206.61  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    544.1875    209.03  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    545.6420    211.20  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    547.1100    213.14  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    548.5891    214.77  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    550.0792    216.37  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    551.5803    217.96  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    553.0892    219.08  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    554.6041    219.97  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    556.1254    220.91  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    557.6531    221.82  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    559.1874    222.77  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    560.7281    223.71  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    562.2754    224.67  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    563.8293    225.63  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    565.3900    226.61  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    566.9574    227.59  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    568.5316    228.58  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    570.1127    229.58  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    571.7008    230.59  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    573.2960    231.61  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    574.8982    232.64  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    576.5076    233.69  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    578.1243    234.74  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    579.7482    235.80  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    581.3796    236.87  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    583.0184    237.95  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    584.6647    239.05  .  Q      .V        .         .         .
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(PEAK DAY 1, HOUR 3.750)
99.833 586.3186 240.15 . Q .V . . .
(PEAK DAY 1, HOUR 3.833)
99.917 587.9797 241.19 . Q .V . . .
(PEAK DAY 1, HOUR 3.917)
100.000 589.6475 242.18 . Q .V . . .
(PEAK DAY 1, HOUR 4.000)
100.083 591.3223 243.17 . Q .V . . .
(PEAK DAY 1, HOUR 4.083)
100.167 593.0039 244.18 . Q .V . . .
(PEAK DAY 1, HOUR 4.167)
100.250 594.6926 245.20 . Q .V . . .
(PEAK DAY 1, HOUR 4.250)
100.333 596.3883 246.23 . Q .V . . .
(PEAK DAY 1, HOUR 4.333)
100.417 598.0912 247.27 . Q . V . . .
(PEAK DAY 1, HOUR 4.417)
100.500 599.8014 248.32 . Q . V . . .
(PEAK DAY 1, HOUR 4.500)
100.583 601.5189 249.38 . Q . V . . .
(PEAK DAY 1, HOUR 4.583)
100.667 603.2438 250.46 . Q . V . . .
(PEAK DAY 1, HOUR 4.667)
100.750 604.9762 251.54 . Q . V . . .
(PEAK DAY 1, HOUR 4.750)
100.833 606.7162 252.65 . Q . V . . .
(PEAK DAY 1, HOUR 4.833)
100.917 608.4638 253.76 . Q . V . . .
(PEAK DAY 1, HOUR 4.917)
101.000 610.2192 254.88 . Q . V . . .
(PEAK DAY 1, HOUR 5.000)
101.083 611.9824 256.02 . Q . V . . .
(PEAK DAY 1, HOUR 5.083)
101.167 613.7536 257.17 . Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 615.5328 258.34 . Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 617.3201 259.52 . Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 619.1157 260.71 . Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 620.9196 261.92 . Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 622.7319 263.15 . Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 624.5527 264.38 . Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 626.3821 265.64 . Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 628.2203 266.90 . Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 630.0674 268.19 . Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 631.9234 269.49 . Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 633.7885 270.81 . Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 635.6627 272.14 . Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 637.5463 273.49 . Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 639.4393 274.86 . Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 641.3418 276.25 . Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 643.2540 277.66 . Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 645.1761 279.08 . Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 647.1081 280.52 . Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 649.0502 281.99 . Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 651.0024 283.47 . Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 652.9651 284.98 . Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 654.9382 286.50 . Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 656.9220 288.05 . Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 658.9166 289.62 . Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 660.9222 291.21 . Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 662.9388 292.82 . Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 664.9668 294.46 . Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 667.0062 296.12 . Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 669.0573 297.81 . Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 671.1201 299.52 . Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 673.1948 301.26 . Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 675.2817 303.02 . Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 677.3810 304.81 . Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 679.4928 306.63 . Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 681.6173 308.48 . Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 683.7548 310.36 . Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 685.9053 312.27 . Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 688.0693 314.21 . Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 690.2468 316.18 . Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 692.4380 318.18 . Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 694.6434 320.21 . Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 696.8630 322.29 . Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 699.0970 324.39 . Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 701.3459 326.53 . Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 703.6097 328.71 . Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 705.8889 330.93 . Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 708.1835 333.19 . Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 710.4940 335.49 . Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 712.8207 337.83 . Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 715.1638 340.21 . Q . V . . .

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 (PEAK DAY 1, HOUR   9.333)
105.417    717.5235    342.64  .     Q   .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500    719.9003    345.11  .     Q   .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    722.2945    347.63  .     Q   .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    724.7064    350.20  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    727.1362    352.82  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    729.5845    355.49  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    732.0516    358.22  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    734.5378    361.00  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    737.0435    363.84  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    739.5692    366.73  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    742.1153    369.69  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    744.6822    372.72  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    747.2703    375.80  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    749.8802    378.96  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    752.5123    382.18  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    755.1671    385.48  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    757.8452    388.85  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    760.5469    392.30  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    763.2730    395.83  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    766.0240    399.45  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    768.8006    403.15  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    771.6033    406.95  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    774.4327    410.84  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    777.2897    414.83  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    780.1748    418.92  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    783.0889    423.12  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    786.0326    427.43  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    789.0068    431.86  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    792.0124    436.41  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    795.0502    441.09  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    798.1212    445.90  .       Q .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    801.2263    450.86  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    804.3763    457.38  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    807.5914    466.84  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    810.8890    478.82  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    814.2869    493.36  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    817.8204    513.06  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    821.5809    546.03  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    825.5562    577.22  .         .Q    V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    829.6585    595.65  .         .Q    V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    833.8672    611.10  .         . Q   V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    838.1725    625.13  .         . Q   V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    842.5673    638.13  .         . Q   V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    847.0474    650.51  .         .  Q  V   .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    851.6118    662.75  .         .  Q  V   .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    856.2521    673.78  .         .  Q  V   .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    860.9473    681.74  .         .  Q  V   .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    865.6934    689.13  .         .  Q  V   .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    870.5151    700.12  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    875.4324    713.99  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    880.4630    730.43  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    885.6216    749.04  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    890.9037    766.96  .         .    Q V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    896.2810    780.79  .         .    Q  V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    901.7485    793.87  .         .    Q  V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    907.3276    810.09  .         .     Q V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    913.0432    829.90  .         .     Q V .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    918.9082    851.59  .         .      QV .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    924.9203    872.95  .         .      QV .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    931.1028    897.71  .         .      QV .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    937.4819    926.23  .         .       Q .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    944.0632    955.60  .         .       VQ.         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    950.8769    989.35  .         .        Q.         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    957.9625   1028.83  .         .        VQ         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    965.3145   1067.51  .         .        V.Q        .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    972.8962   1100.86  .         .        V. Q       .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    980.6960   1132.53  .         .        V. Q       .         .
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(PEAK DAY 1, HOUR  14.917)
111.000    988.7271   1166.12  .         .        V.  Q      .         .
(PEAK DAY 1, HOUR  15.000)
111.083    996.9900   1199.77  .         .         V  Q      .         .
(PEAK DAY 1, HOUR  15.083)
111.167   1005.4788   1232.57  .         .         V   Q     .         .
(PEAK DAY 1, HOUR  15.167)
111.250   1014.1998   1266.30  .         .         V    Q    .         .
(PEAK DAY 1, HOUR  15.250)
111.333   1023.1479   1299.26  .         .         V    Q    .         .
(PEAK DAY 1, HOUR  15.333)
111.417   1032.2721   1324.84  .         .         V     Q   .         .
(PEAK DAY 1, HOUR  15.417)
111.500   1041.5355   1345.04  .         .         V     Q   .         .
(PEAK DAY 1, HOUR  15.500)
111.583   1050.9418   1365.79  .         .        .V     Q   .         .
(PEAK DAY 1, HOUR  15.583)
111.667   1060.4930   1386.85  .         .        .V     Q   .         .
(PEAK DAY 1, HOUR  15.667)
111.750   1070.1864   1407.48  .         .        .V      Q  .         .
(PEAK DAY 1, HOUR  15.750)
111.833   1079.9980   1424.65  .         .        .V      Q  .         .
(PEAK DAY 1, HOUR  15.833)
111.917   1089.9070   1438.78  .         .        .V      Q  .         .
(PEAK DAY 1, HOUR  15.917)
112.000   1099.9232   1454.35  .         .        . V      Q.         .
(PEAK DAY 1, HOUR  16.000)
112.083   1110.0863   1475.68  .         .        . V      Q.         .
(PEAK DAY 1, HOUR  16.083)
112.167   1120.4622   1506.57  .         .        . V       Q         .
(PEAK DAY 1, HOUR  16.167)
112.250   1131.1158   1546.92  .         .        . V       Q         .
(PEAK DAY 1, HOUR  16.250)
112.333   1142.1106   1596.45  .         .        . V       .Q        .
(PEAK DAY 1, HOUR  16.333)
112.417   1153.5234   1657.14  .         .        .  V      .  Q      .
(PEAK DAY 1, HOUR  16.417)
112.500   1165.4645   1733.84  .         .        .  V      .   Q     .
(PEAK DAY 1, HOUR  16.500)
112.583   1177.8326   1795.87  .         .        .  V      .    Q    .
(PEAK DAY 1, HOUR  16.583)
112.667   1190.4066   1825.74  .         .        .  V      .     Q   .
(PEAK DAY 1, HOUR  16.667)
112.750   1203.1184   1845.76  .         .        .   V     .     Q   .
(PEAK DAY 1, HOUR  16.750)
112.833   1215.9452   1862.45  .         .        .   V     .      Q  .
(PEAK DAY 1, HOUR  16.833)
112.917   1228.8745   1877.33  .         .        .   V     .      Q  .
(PEAK DAY 1, HOUR  16.917)
113.000   1241.8970   1890.85  .         .        .   V     .      Q  .
(PEAK DAY 1, HOUR  17.000)
113.083   1255.0012   1902.75  .         .        .    V    .       Q .
(PEAK DAY 1, HOUR  17.083)
113.167   1268.1740   1912.68  .         .        .    V    .       Q .
(PEAK DAY 1, HOUR  17.167)
113.250   1281.4022   1920.74  .         .        .    V    .       Q .
(PEAK DAY 1, HOUR  17.250)
113.333   1294.6733   1926.97  .         .        .     V   .       Q .
(PEAK DAY 1, HOUR  17.333)
113.417   1307.9760   1931.54  .         .        .     V   .       Q .
(PEAK DAY 1, HOUR  17.417)
113.500   1321.2968   1934.19  .         .        .     V   .       Q .
(PEAK DAY 1, HOUR  17.500)
113.583   1334.6216   1934.77  .         .        .     V   .       Q .
(PEAK DAY 1, HOUR  17.583)
113.667   1347.9390   1933.68  .         .        .      V  .       Q .
(PEAK DAY 1, HOUR  17.667)
113.750   1361.2399   1931.28  .         .        .      V  .       Q .
(PEAK DAY 1, HOUR  17.750)
113.833   1374.5160   1927.68  .         .        .      V  .       Q .
(PEAK DAY 1, HOUR  17.833)
113.917   1387.7607   1923.13  .         .        .      V  .       Q .
(PEAK DAY 1, HOUR  17.917)
114.000   1400.9689   1917.81  .         .        .       V .       Q .
(PEAK DAY 1, HOUR  18.000)
114.083   1414.1337   1911.53  .         .        .       V .       Q .
(PEAK DAY 1, HOUR  18.083)
114.167   1427.2490   1904.35  .         .        .       V .       Q .
(PEAK DAY 1, HOUR  18.167)
114.250   1440.3114   1896.66  .         .        .       V .      Q  .
(PEAK DAY 1, HOUR  18.250)
114.333   1453.3182   1888.60  .         .        .        V.      Q  .
(PEAK DAY 1, HOUR  18.333)
114.417   1466.2679   1880.30  .         .        .        V.      Q  .
(PEAK DAY 1, HOUR  18.417)
114.500   1479.1604   1871.98  .         .        .        V.      Q  .
(PEAK DAY 1, HOUR  18.500)
114.583   1491.9948   1863.55  .         .        .        V.      Q  .
(PEAK DAY 1, HOUR  18.583)
114.667   1504.7693   1854.86  .         .        .         V      Q  .
(PEAK DAY 1, HOUR  18.667)
114.750   1517.4825   1845.96  .         .        .         V     Q   .
(PEAK DAY 1, HOUR  18.750)
114.833   1530.1335   1836.92  .         .        .         V     Q   .
(PEAK DAY 1, HOUR  18.833)
114.917   1542.7225   1827.92  .         .        .         V     Q   .
(PEAK DAY 1, HOUR  18.917)
115.000   1555.2512   1819.16  .         .        .         .V    Q   .
(PEAK DAY 1, HOUR  19.000)
115.083   1567.7202   1810.49  .         .        .         .V    Q   .
(PEAK DAY 1, HOUR  19.083)
115.167   1580.1290   1801.76  .         .        .         .V    Q   .
(PEAK DAY 1, HOUR  19.167)
115.250   1592.4774   1792.98  .         .        .         .V   Q    .
(PEAK DAY 1, HOUR  19.250)
115.333   1604.7552   1782.75  .         .        .         . V  Q    .
(PEAK DAY 1, HOUR  19.333)
115.417   1616.9331   1768.23  .         .        .         . V  Q    .
(PEAK DAY 1, HOUR  19.417)
115.500   1628.9916   1750.90  .         .        .         . V  Q    .
(PEAK DAY 1, HOUR  19.500)
115.583   1640.9313   1733.65  .         .        .         . V Q     .
(PEAK DAY 1, HOUR  19.583)
115.667   1652.7528   1716.49  .         .        .         .  VQ     .
(PEAK DAY 1, HOUR  19.667)
115.750   1664.4558   1699.27  .         .        .         .  Q      .
(PEAK DAY 1, HOUR  19.750)
115.833   1676.0377   1681.69  .         .        .         .  Q      .
(PEAK DAY 1, HOUR  19.833)
115.917   1687.4962   1663.78  .         .        .         .  Q      .
(PEAK DAY 1, HOUR  19.917)
116.000   1698.8313   1645.85  .         .        .         . Q V     .
(PEAK DAY 1, HOUR  20.000)
116.083   1710.0433   1627.98  .         .        .         . Q V     .
(PEAK DAY 1, HOUR  20.083)
116.167   1721.1313   1609.99  .         .        .         . Q V     .
(PEAK DAY 1, HOUR  20.167)
116.250   1732.0909   1591.34  .         .        .         .Q  V     .
(PEAK DAY 1, HOUR  20.250)
116.333   1742.9197   1572.33  .         .        .         .Q   V    .
(PEAK DAY 1, HOUR  20.333)
116.417   1753.6188   1553.51  .         .        .         .Q   V    .
(PEAK DAY 1, HOUR  20.417)
116.500   1764.1896   1534.88  .         .        .         Q    V    .
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 (PEAK DAY 1, HOUR  20.500)
116.583   1774.6317   1516.19  .         .         .         Q    V    .
 (PEAK DAY 1, HOUR  20.583)
116.667   1784.9415   1496.98  .         .         .        Q.    V    .
 (PEAK DAY 1, HOUR  20.667)
116.750   1795.1174   1477.54  .         .         .        Q.     V   .
 (PEAK DAY 1, HOUR  20.750)
116.833   1805.1610   1458.32  .         .         .        Q.     V   .
 (PEAK DAY 1, HOUR  20.833)
116.917   1815.0739   1439.34  .         .         .       Q .     V   .
 (PEAK DAY 1, HOUR  20.917)
117.000   1824.8540   1420.07  .         .         .       Q .     V   .
 (PEAK DAY 1, HOUR  21.000)
117.083   1834.4869   1398.71  .         .         .      Q  .     V   .
 (PEAK DAY 1, HOUR  21.083)
117.167   1843.9624   1375.84  .         .         .      Q  .      V  .
 (PEAK DAY 1, HOUR  21.167)
117.250   1853.2832   1353.38  .         .         .      Q  .      V  .
 (PEAK DAY 1, HOUR  21.250)
117.333   1862.4519   1331.30  .         .         .     Q   .      V  .
 (PEAK DAY 1, HOUR  21.333)
117.417   1871.4385   1304.84  .         .         .     Q   .      V  .
 (PEAK DAY 1, HOUR  21.417)
117.500   1880.1796   1269.21  .         .         .    Q    .      V  .
 (PEAK DAY 1, HOUR  21.500)
117.583   1888.6487   1229.72  .         .         .   Q     .      V  .
 (PEAK DAY 1, HOUR  21.583)
117.667   1896.8431   1189.84  .         .         .  Q      .       V .
 (PEAK DAY 1, HOUR  21.667)
117.750   1904.7523   1148.42  .         .         . Q       .       V .
 (PEAK DAY 1, HOUR  21.750)
117.833   1912.3798   1107.51  .         .         . Q       .       V .
 (PEAK DAY 1, HOUR  21.833)
117.917   1919.6998   1062.88  .         .         .Q        .       V .
 (PEAK DAY 1, HOUR  21.917)
118.000   1926.6606   1010.71  .         .         Q         .       V .
 (PEAK DAY 1, HOUR  22.000)
118.083   1933.2552    957.53  .         .        Q.         .       V .
 (PEAK DAY 1, HOUR  22.083)
118.167   1939.3485    884.75  .         .      Q  .         .       V .
 (PEAK DAY 1, HOUR  22.167)
118.250   1943.9166    663.30  .         .  Q      .         .        V.
 (PEAK DAY 1, HOUR  22.250)
118.333   1946.0028    302.91  .     Q   .         .         .        V.
 (PEAK DAY 1, HOUR  22.333)
118.417   1947.6230    235.25  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  22.417)
118.500   1949.5173    275.05  .    Q    .         .         .        V.
 (PEAK DAY 1, HOUR  22.500)
118.583   1951.2074    245.39  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  22.583)
118.667   1953.0034    260.78  .    Q    .         .         .        V.
 (PEAK DAY 1, HOUR  22.667)
118.750   1954.7053    247.11  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  22.750)
118.833   1956.4431    252.33  .    Q    .         .         .        V.
 (PEAK DAY 1, HOUR  22.833)
118.917   1958.1332    245.40  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  22.917)
119.000   1959.8303    246.42  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.000)
119.083   1961.4995    242.37  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.083)
119.167   1963.1639    241.68  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.167)
119.250   1964.8091    238.88  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.250)
119.333   1966.4448    237.52  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.333)
119.417   1968.0653    235.29  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.417)
119.500   1969.6747    233.68  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.500)
119.583   1971.2706    231.74  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.583)
119.667   1972.8552    230.08  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.667)
119.750   1974.4275    228.29  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.750)
119.833   1975.9884    226.64  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.833)
119.917   1977.5377    224.95  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  23.917)
120.000   1979.0759    223.34  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  24.000)
120.083   1980.5895    219.77  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  24.083)
120.167   1982.0526    212.45  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  24.167)
120.250   1983.4434    201.94  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  24.250)
120.333   1984.7399    188.25  .  Q      .         .         .        V.
 (PEAK DAY 1, HOUR  24.333)
120.417   1985.8958    167.84  .  Q      .         .         .        V.
 (PEAK DAY 1, HOUR  24.417)
120.500   1986.7886    129.64  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  24.500)
120.583   1987.4393     94.49  .Q        .         .         .        V.
 (PEAK DAY 1, HOUR  24.583)
120.667   1987.9734     77.54  .Q        .         .         .        V.
 (PEAK DAY 1, HOUR  24.667)
120.750   1988.4220     65.14  .Q        .         .         .        V.
 (PEAK DAY 1, HOUR  24.750)
120.833   1988.8019     55.16  .Q        .         .         .        V.
 (PEAK DAY 1, HOUR  24.833)
120.917   1989.1256     47.01  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  24.917)
121.000   1989.4022     40.16  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.000)
121.083   1989.6373     34.14  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.083)
121.167   1989.8376     29.08  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.167)
121.250   1990.0078     24.70  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.250)
121.333   1990.1530     21.07  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.333)
121.417   1990.2745     17.65  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.417)
121.500   1990.3762     14.77  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.500)
121.583   1990.4612     12.33  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.583)
121.667   1990.5319     10.27  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.667)
121.750   1990.5906      8.53  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.750)
121.833   1990.6405      7.26  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.833)
121.917   1990.6823      6.06  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.917)
122.000   1990.7158      4.88  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.000)
122.083   1990.7458      4.36  Q         .         .         .        V.
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 (PEAK DAY 1, HOUR  26.083)
 122.167   1990.7747      4.18  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.167)
 122.250   1990.8018      3.94  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.250)
 122.333   1990.8275      3.73  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.333)
 122.417   1990.8517      3.51  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.417)
 122.500   1990.8744      3.30  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.500)
 122.583   1990.8956      3.09  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.583)
 122.667   1990.9154      2.88  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.667)
 122.750   1990.9338      2.67  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.750)
 122.833   1990.9508      2.46  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.833)
 122.917   1990.9663      2.26  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.917)
 123.000   1990.9805      2.05  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.000)
 123.083   1990.9932      1.85  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.083)
 123.167   1991.0045      1.65  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.167)
 123.250   1991.0145      1.45  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.250)
 123.333   1991.0232      1.25  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.333)
 123.417   1991.0304      1.05  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.417)
 123.500   1991.0363      0.86  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583   1991.0408      0.66  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667   1991.0441      0.47  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750   1991.0460      0.28  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833   1991.0466      0.09  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917   1991.0466      0.00  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.917)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE = 5.2
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  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).
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         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     408.00
           DOWNSTREAM ELEVATION(FT) =     382.00
           CHANNEL LENGTH(FT) =    2533.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  1934.77
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  1512.14
           CHANNEL NORMAL VELOCITY FOR Q =  1512.14 CFS =   9.78 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.852

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.906


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	57.10	57.45	57.45
1	0.083	96.083	58.16	57.38	57.38
1	0.167	96.167	62.08	59.02	59.02
1	0.250	96.250	68.45	63.31	63.31
1	0.333	96.333	77.30	70.09	70.09
1	0.417	96.417	91.33	79.99	79.99
1	0.500	96.500	118.84	96.85	96.85
1	0.583	96.583	144.43	122.91	122.91
1	0.667	96.667	156.81	145.38	145.38
1	0.750	96.750	165.97	157.93	157.93
1	0.833	96.833	173.45	167.00	167.00
1	0.917	96.917	179.68	174.34	174.34
1	1.000	97.000	185.01	180.45	180.45
1	1.083	97.083	189.81	185.73	185.73
1	1.167	97.167	193.95	190.42	190.42
1	1.250	97.250	197.65	194.51	194.51
1	1.333	97.333	200.83	198.11	198.11
1	1.417	97.417	203.90	201.31	201.31
1	1.500	97.500	206.61	204.31	204.31
1	1.583	97.583	209.03	206.97	206.97
1	1.667	97.667	211.20	209.35	209.35
1	1.750	97.750	213.14	211.49	211.49
1	1.833	97.833	214.77	213.38	213.38
1	1.917	97.917	216.37	215.02	215.02
1	2.000	98.000	217.96	216.62	216.62
1	2.083	98.083	219.08	218.10	218.10
1	2.167	98.167	219.97	219.20	219.20
1	2.250	98.250	220.91	220.12	220.12
1	2.333	98.333	221.82	221.05	221.05
1	2.417	98.417	222.77	221.98	221.98
1	2.500	98.500	223.71	222.92	222.92
1	2.583	98.583	224.67	223.87	223.87
1	2.667	98.667	225.63	224.82	224.82
1	2.750	98.750	226.61	225.79	225.79
1	2.833	98.833	227.59	226.76	226.76
1	2.917	98.917	228.58	227.75	227.75
1	3.000	99.000	229.58	228.74	228.74
1	3.083	99.083	230.59	229.74	229.74
1	3.167	99.167	231.61	230.76	230.76
1	3.250	99.250	232.64	231.78	231.78
1	3.333	99.333	233.69	232.81	232.81
1	3.417	99.417	234.74	233.86	233.86
1	3.500	99.500	235.80	234.91	234.91
1	3.583	99.583	236.87	235.97	235.97

1	3.667	99.667	237.95	237.04	237.04
1	3.750	99.750	239.05	238.13	238.13
1	3.833	99.833	240.15	239.22	239.22
1	3.917	99.917	241.19	240.31	240.31
1	4.000	100.000	242.18	241.34	241.34
1	4.083	100.083	243.17	242.34	242.34
1	4.167	100.167	244.18	243.33	243.33
1	4.250	100.250	245.20	244.34	244.34
1	4.333	100.333	246.23	245.36	245.36
1	4.417	100.417	247.27	246.39	246.39
1	4.500	100.500	248.32	247.44	247.44
1	4.583	100.583	249.38	248.49	248.49
1	4.667	100.667	250.46	249.55	249.55
1	4.750	100.750	251.54	250.63	250.63
1	4.833	100.833	252.65	251.72	251.72
1	4.917	100.917	253.76	252.83	252.83
1	5.000	101.000	254.88	253.94	253.94
1	5.083	101.083	256.02	255.07	255.07
1	5.167	101.167	257.17	256.21	256.21
1	5.250	101.250	258.34	257.36	257.36
1	5.333	101.333	259.52	258.53	258.53
1	5.417	101.417	260.71	259.71	259.71
1	5.500	101.500	261.92	260.91	260.91
1	5.583	101.583	263.15	262.12	262.12
1	5.667	101.667	264.38	263.35	263.35
1	5.750	101.750	265.64	264.59	264.59
1	5.833	101.833	266.90	265.84	265.84
1	5.917	101.917	268.19	267.11	267.11
1	6.000	102.000	269.49	268.40	268.40
1	6.083	102.083	270.81	269.70	269.70
1	6.167	102.167	272.14	271.02	271.02
1	6.250	102.250	273.49	272.36	272.36
1	6.333	102.333	274.86	273.71	273.71
1	6.417	102.417	276.25	275.09	275.09
1	6.500	102.500	277.66	276.48	276.48
1	6.583	102.583	279.08	277.89	277.89
1	6.667	102.667	280.52	279.31	279.31
1	6.750	102.750	281.99	280.76	280.76
1	6.833	102.833	283.47	282.23	282.23
1	6.917	102.917	284.98	283.71	283.71
1	7.000	103.000	286.50	285.22	285.22
1	7.083	103.083	288.05	286.75	286.75
1	7.167	103.167	289.62	288.30	288.30
1	7.250	103.250	291.21	289.87	289.87
1	7.333	103.333	292.82	291.47	291.47
1	7.417	103.417	294.46	293.09	293.09
1	7.500	103.500	296.12	294.73	294.73
1	7.583	103.583	297.81	296.39	296.39
1	7.667	103.667	299.52	298.08	298.08
1	7.750	103.750	301.26	299.80	299.80
1	7.833	103.833	303.02	301.54	301.54
1	7.917	103.917	304.81	303.31	303.31
1	8.000	104.000	306.63	305.11	305.11
1	8.083	104.083	308.48	306.93	306.93
1	8.167	104.167	310.36	308.79	308.79
1	8.250	104.250	312.27	310.67	310.67
1	8.333	104.333	314.21	312.58	312.58
1	8.417	104.417	316.18	314.53	314.53
1	8.500	104.500	318.18	316.50	316.50
1	8.583	104.583	320.21	318.51	318.51
1	8.667	104.667	322.29	320.55	320.55
1	8.750	104.750	324.39	322.63	322.63
1	8.833	104.833	326.53	324.74	324.74
1	8.917	104.917	328.71	326.89	326.89
1	9.000	105.000	330.93	329.07	329.07
1	9.083	105.083	333.19	331.30	331.30
1	9.167	105.167	335.49	333.56	333.56
1	9.250	105.250	337.83	335.87	335.87
1	9.333	105.333	340.21	338.21	338.21
1	9.417	105.417	342.64	340.61	340.61
1	9.500	105.500	345.11	343.04	343.04
1	9.583	105.583	347.63	345.52	345.52
1	9.667	105.667	350.20	348.05	348.05
1	9.750	105.750	352.82	350.63	350.63
1	9.833	105.833	355.49	353.26	353.26
1	9.917	105.917	358.22	355.94	355.94
1	10.000	106.000	361.00	358.67	358.67
1	10.083	106.083	363.84	361.46	361.46
1	10.167	106.167	366.73	364.31	364.31
1	10.250	106.250	369.69	367.22	367.22
1	10.333	106.333	372.72	370.18	370.18
1	10.417	106.417	375.80	373.22	373.22
1	10.500	106.500	378.96	376.32	376.32
1	10.583	106.583	382.18	379.48	379.48
1	10.667	106.667	385.48	382.72	382.72
1	10.750	106.750	388.85	386.03	386.03
1	10.833	106.833	392.30	389.41	389.41
1	10.917	106.917	395.83	392.88	392.88
1	11.000	107.000	399.45	396.42	396.42
1	11.083	107.083	403.15	400.05	400.05
1	11.167	107.167	406.95	403.77	403.77
1	11.250	107.250	410.84	407.58	407.58
1	11.333	107.333	414.83	411.49	411.49
1	11.417	107.417	418.92	415.49	415.49
1	11.500	107.500	423.12	419.60	419.60
1	11.583	107.583	427.43	423.82	423.82
1	11.667	107.667	431.86	428.15	428.15
1	11.750	107.750	436.41	432.60	432.60
1	11.833	107.833	441.09	437.17	437.17
1	11.917	107.917	445.90	441.88	441.88
1	12.000	108.000	450.86	446.71	446.71
1	12.083	108.083	457.38	452.03	452.03
1	12.167	108.167	466.84	459.14	459.14
1	12.250	108.250	478.82	468.99	468.99
1	12.333	108.333	493.36	481.38	481.38
1	12.417	108.417	513.06	496.96	496.96
1	12.500	108.500	546.03	519.45	519.45
1	12.583	108.583	577.22	551.01	551.01
1	12.667	108.667	595.65	579.18	579.18
1	12.750	108.750	611.10	597.81	597.81
1	12.833	108.833	625.13	613.22	613.22
1	12.917	108.917	638.13	627.12	627.12
1	13.000	109.000	650.51	640.06	640.06
1	13.083	109.083	662.75	652.46	652.46
1	13.167	109.167	673.78	664.42	664.42
1	13.250	109.250	681.74	674.81	674.81
1	13.333	109.333	689.13	682.86	682.86
1	13.417	109.417	700.12	691.17	691.17
1	13.500	109.500	713.99	702.61	702.61
1	13.583	109.583	730.43	716.86	716.86
1	13.667	109.667	749.04	733.62	733.62
1	13.750	109.750	766.96	751.88	751.88
1	13.833	109.833	780.79	768.86	768.86
1	13.917	109.917	793.87	782.80	782.80
1	14.000	110.000	810.09	796.72	796.72
1	14.083	110.083	829.90	813.58	813.58
1	14.167	110.167	851.59	833.57	833.57
1	14.250	110.250	872.95	855.02	855.02
1	14.333	110.333	897.71	877.20	877.20
1	14.417	110.417	926.23	902.61	902.61
1	14.500	110.500	955.60	931.05	931.05
1	14.583	110.583	989.35	961.38	961.38
1	14.667	110.667	1028.83	996.19	996.19
1	14.750	110.750	1067.51	1035.03	1035.03

1	14.833	110.833	1100.86	1072.45	1072.45
1	14.917	110.917	1132.53	1105.78	1105.78
1	15.000	111.000	1166.12	1138.07	1138.07
1	15.083	111.083	1199.77	1171.55	1171.55
1	15.167	111.167	1232.57	1204.98	1204.98
1	15.250	111.250	1266.30	1238.06	1238.06
1	15.333	111.333	1299.26	1271.54	1271.54
1	15.417	111.417	1324.84	1302.79	1302.79
1	15.500	111.500	1345.04	1327.61	1327.61
1	15.583	111.583	1365.79	1348.38	1348.38
1	15.667	111.667	1386.85	1369.20	1369.20
1	15.750	111.750	1407.48	1390.13	1390.13
1	15.833	111.833	1424.65	1409.97	1409.97
1	15.917	111.917	1438.78	1426.66	1426.66
1	16.000	112.000	1454.35	1441.38	1441.38
1	16.083	112.083	1475.68	1458.24	1458.24
1	16.167	112.167	1506.57	1481.44	1481.44
1	16.250	112.250	1546.92	1513.87	1513.87
1	16.333	112.333	1596.45	1555.68	1555.68
1	16.417	112.417	1657.14	1607.16	1607.16
1	16.500	112.500	1733.84	1670.82	1670.82
1	16.583	112.583	1795.87	1742.79	1742.79
1	16.667	112.667	1825.74	1798.04	1798.04
1	16.750	112.750	1845.76	1827.94	1827.94
1	16.833	112.833	1862.45	1848.09	1848.09
1	16.917	112.917	1877.33	1864.67	1864.67
1	17.000	113.000	1890.85	1879.38	1879.38
1	17.083	113.083	1902.75	1892.63	1892.63
1	17.167	113.167	1912.68	1904.18	1904.18
1	17.250	113.250	1920.74	1913.82	1913.82
1	17.333	113.333	1926.97	1921.58	1921.58
1	17.417	113.417	1931.54	1927.56	1927.56
1	17.500	113.500	1934.19	1931.80	1931.80
1	17.583	113.583	1934.77	1934.10	1934.10
1	17.667	113.667	1933.68	1934.44	1934.44
1	17.750	113.750	1931.28	1933.18	1933.18
1	17.833	113.833	1927.68	1930.60	1930.60
1	17.917	113.917	1923.13	1926.87	1926.87
1	18.000	114.000	1917.81	1922.21	1922.21
1	18.083	114.083	1911.53	1916.72	1916.72
1	18.167	114.167	1904.35	1910.30	1910.30
1	18.250	114.250	1896.66	1903.07	1903.07
1	18.333	114.333	1888.60	1895.33	1895.33
1	18.417	114.417	1880.30	1887.24	1887.24
1	18.500	114.500	1871.98	1878.96	1878.96
1	18.583	114.583	1863.55	1870.61	1870.61
1	18.667	114.667	1854.86	1862.13	1862.13
1	18.750	114.750	1845.96	1853.41	1853.41
1	18.833	114.833	1836.92	1844.50	1844.50
1	18.917	114.917	1827.92	1835.47	1835.47
1	19.000	115.000	1819.16	1826.53	1826.53
1	19.083	115.083	1810.49	1817.78	1817.78
1	19.167	115.167	1801.76	1809.08	1809.08
1	19.250	115.250	1792.98	1800.34	1800.34
1	19.333	115.333	1782.75	1791.22	1791.22
1	19.417	115.417	1768.23	1780.06	1780.06
1	19.500	115.500	1750.90	1765.19	1765.19
1	19.583	115.583	1733.65	1748.11	1748.11
1	19.667	115.667	1716.49	1730.90	1730.90
1	19.750	115.750	1699.27	1713.72	1713.72
1	19.833	115.833	1681.69	1696.42	1696.42
1	19.917	115.917	1663.78	1678.78	1678.78
1	20.000	116.000	1645.85	1660.89	1660.89
1	20.083	116.083	1627.98	1642.98	1642.98
1	20.167	116.167	1609.99	1625.08	1625.08
1	20.250	116.250	1591.34	1606.94	1606.94
1	20.333	116.333	1572.33	1588.25	1588.25
1	20.417	116.417	1553.51	1569.32	1569.32
1	20.500	116.500	1534.88	1550.53	1550.53
1	20.583	116.583	1516.19	1531.87	1531.87
1	20.667	116.667	1496.98	1513.06	1513.06
1	20.750	116.750	1477.54	1493.83	1493.83
1	20.833	116.833	1458.32	1474.46	1474.46
1	20.917	116.917	1439.34	1455.29	1455.29
1	21.000	117.000	1420.07	1436.22	1436.22
1	21.083	117.083	1398.71	1416.47	1416.47
1	21.167	117.167	1375.84	1394.90	1394.90
1	21.250	117.250	1353.38	1372.25	1372.25
1	21.333	117.333	1331.30	1349.86	1349.86
1	21.417	117.417	1304.84	1326.71	1326.71
1	21.500	117.500	1269.21	1298.36	1298.36
1	21.583	117.583	1229.72	1262.48	1262.48
1	21.667	117.667	1189.84	1223.24	1223.24
1	21.750	117.750	1148.42	1183.05	1183.05
1	21.833	117.833	1107.51	1141.87	1141.87
1	21.917	117.917	1062.88	1100.04	1100.04
1	22.000	118.000	1010.71	1053.87	1053.87
1	22.083	118.083	957.53	1002.02	1002.02
1	22.167	118.167	884.75	944.27	944.27
1	22.250	118.250	663.30	837.29	837.29
1	22.333	118.333	302.91	593.30	593.30
1	22.417	118.417	235.25	313.94	313.94
1	22.500	118.500	275.05	252.16	252.16
1	22.583	118.583	245.39	265.80	265.80
1	22.667	118.667	260.78	250.99	250.99
1	22.750	118.750	247.11	256.59	256.59
1	22.833	118.833	252.33	249.25	249.25
1	22.917	118.917	245.40	250.38	250.38
1	23.000	119.000	246.42	246.11	246.11
1	23.083	119.083	242.37	245.42	245.42
1	23.167	119.167	241.68	242.49	242.49
1	23.250	119.250	238.88	241.08	241.08
1	23.333	119.333	237.52	238.76	238.76
1	23.417	119.417	235.29	237.10	237.10
1	23.500	119.500	233.68	235.07	235.07
1	23.583	119.583	231.74	233.35	233.35
1	23.667	119.667	230.08	231.49	231.49
1	23.750	119.750	228.29	229.78	229.78
1	23.833	119.833	226.64	228.03	228.03
1	23.917	119.917	224.95	226.36	226.36
1	24.000	120.000	223.34	224.70	224.70
1	24.083	120.083	219.77	222.61	222.61
1	24.167	120.167	212.45	218.28	218.28
1	24.250	120.250	201.94	210.48	210.48
1	24.333	120.333	188.25	199.46	199.46
1	24.417	120.417	167.84	184.41	184.41
1	24.500	120.500	129.64	160.24	160.24
1	24.583	120.583	94.49	124.09	124.09
1	24.667	120.667	77.54	93.20	93.20
1	24.750	120.750	65.14	76.04	76.04
1	24.833	120.833	55.16	63.77	63.77
1	24.917	120.917	47.01	54.02	54.02
1	25.000	121.000	40.16	46.02	46.02
1	25.083	121.083	34.14	39.27	39.27
1	25.167	121.167	29.08	33.41	33.41
1	25.250	121.250	24.70	28.44	28.44
1	25.333	121.333	21.07	24.18	24.18
1	25.417	121.417	17.65	20.54	20.54
1	25.500	121.500	14.77	17.24	17.24
1	25.583	121.583	12.33	14.42	14.42
1	25.667	121.667	10.27	12.03	12.03
1	25.750	121.750	8.53	10.02	10.02
1	25.833	121.833	7.26	8.37	8.37
1	25.917	121.917	6.06	7.07	7.07

```
  1   26.000 122.000         4.88         5.87         5.87
  1   26.083 122.083         4.36         4.85         4.85
  1   26.167 122.167         4.18         4.36         4.36
  1   26.250 122.250         3.94         4.14         4.14
  1   26.333 122.333         3.73         3.91         3.91
  1   26.417 122.417         3.51         3.70         3.70
  1   26.500 122.500         3.30         3.48         3.48
  1   26.583 122.583         3.09         3.27         3.27
  1   26.667 122.667         2.88         3.05         3.05
  1   26.750 122.750         2.67         2.85         2.85
  1   26.833 122.833         2.46         2.64         2.64
  1   26.917 122.917         2.26         2.43         2.43
  1   27.000 123.000         2.05         2.23         2.23
  1   27.083 123.083         1.85         2.02         2.02
  1   27.167 123.167         1.65         1.82         1.82
  1   27.250 123.250         1.45         1.62         1.62
  1   27.333 123.333         1.25         1.42         1.42
  1   27.417 123.417         1.05         1.22         1.22
  1   27.500 123.500         0.86         1.02         1.02
  1   27.583 123.583         0.66         0.83         0.83
  1   27.667 123.667         0.47         0.63         0.63
  1   27.750 123.750         0.28         0.44         0.44
  1   27.833 123.833         0.09         0.25         0.25
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1991.047 AF
    OUTFLOW VOLUME =   1991.047 AF
    LOSS    VOLUME =      0.000 AF
================================================================================



********************************************************************************
  FLOW PROCESS FROM NODE   6300.00 TO NODE   6311.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   299.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     299.300 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.250 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
         +------------------+--------+--------+--------+--------+--------+
         | RAINFALL DEPTHS & |        |        |        |        |        |
         |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
         |==================+========+========+========+========+========|
         | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
         |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
         |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
         |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
         |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
         |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
         |==================+========+========+========+========+========|
         | LOSS RATE(IN/HR)  |   0.260|   0.260|   0.260|   0.260|   0.260|
         | LOW LOSS FRACTION |   0.500|   0.730|   0.930|   0.990|   0.990|
         +------------------+--------+--------+--------+--------+--------+
           5-MINUTE FACTOR = 0.987
          30-MINUTE FACTOR = 0.987
           1-HOUR FACTOR = 0.987
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                3.852               139.411
         2               18.445               528.231
         3               39.624               766.604
         4               55.845               587.160
         5               64.124               299.680
         6               70.038               214.036
         7               74.639               166.538
         8               78.230               130.017
         9               81.158               105.957
        10               83.587                87.936
        11               85.638                74.235
        12               87.267                58.971
        13               88.619                48.932
        14               89.699                39.084
        15               90.702                36.306
        16               91.629                33.565
        17               92.506                31.749
        18               93.325                29.632
        19               94.080                27.335
        20               94.768                24.914
        21               95.424                23.727
        22               95.971                19.796
        23               96.509                19.477
        24               97.020                18.507
        25               97.406                13.985
        26               97.766                13.021
        27               98.126                13.018
        28               98.458                12.019
        29               98.594                 4.931
        30               98.692                 3.557
        31               98.791                 3.557
        32               98.889                 3.550
        33               98.987                 3.557
        34               99.085                 3.551
        35               99.183                 3.557
        36               99.281                 3.550
        37               99.380                 3.550
        38               99.478                 3.550
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39	99.576	3.550
40	99.674	3.550
41	99.772	3.550
42	99.870	3.550
43	99.968	3.550
44	100.000	1.157

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 162.2768

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 126.0595

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	175.0	350.0	525.0	700.0
96.000	32.8756	3.82	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	32.9046	4.22	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	32.9446	5.81	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	33.0007	8.14	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	33.0691	9.93	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	33.1439	10.86	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	33.2233	11.53	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	33.3064	12.07	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	33.3925	12.50	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	33.4810	12.85	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	33.5716	13.16	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	33.6640	13.42	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	33.7579	13.64	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	33.8532	13.83	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	33.9496	13.99	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	34.0470	14.15	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	34.1455	14.30	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	34.2449	14.44	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	34.3453	14.58	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	34.4466	14.71	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	34.5487	14.83	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	34.6517	14.96	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	34.7555	15.07	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	34.8601	15.18	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	34.9654	15.29	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	35.0714	15.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	35.1780	15.48	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	35.2853	15.58	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	35.3933	15.67	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	35.5017	15.75	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	35.6106	15.81	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	35.7200	15.88	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	35.8299	15.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	35.9403	16.03	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	36.0511	16.10	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	36.1625	16.17	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	36.2744	16.24	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	36.3867	16.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	36.4996	16.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	36.6130	16.47	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	36.7270	16.54	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	36.8414	16.62	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	36.9564	16.70	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	37.0720	16.78	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	37.1880	16.85	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	37.3045	16.92	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	37.4215	16.99	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	37.5390	17.06	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	37.6569	17.13	Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	37.7754	17.20	Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	37.8943	17.27	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	38.0138	17.35	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	38.1338	17.42	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	38.2543	17.50	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	38.3753	17.57	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	38.4969	17.65	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	38.6190	17.73	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	38.7416	17.81	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	38.8648	17.89	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	38.9885	17.97	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	39.1128	18.05	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	39.2377	18.13	.Q	. V	.	.	.

(PEAK DAY 1, HOUR 5.083)
101.167 39.3632 18.22 .Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 39.4892 18.30 .Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 39.6158 18.39 .Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 39.7430 18.47 .Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 39.8709 18.56 .Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 39.9993 18.65 .Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 40.1283 18.74 .Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 40.2580 18.83 .Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 40.3883 18.92 .Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 40.5193 19.02 .Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 40.6509 19.11 .Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 40.7832 19.21 .Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 40.9161 19.30 .Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 41.0497 19.40 .Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 41.1841 19.50 .Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 41.3191 19.60 .Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 41.4548 19.71 .Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 41.5912 19.81 .Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 41.7283 19.91 .Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 41.8662 20.02 .Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 42.0048 20.13 .Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 42.1442 20.24 .Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 42.2844 20.35 .Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 42.4253 20.46 .Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 42.5670 20.58 .Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 42.7096 20.69 .Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 42.8529 20.81 .Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 42.9970 20.93 .Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 43.1420 21.05 .Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 43.2879 21.18 .Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 43.4346 21.30 .Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 43.5822 21.43 .Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 43.7307 21.56 .Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 43.8801 21.69 .Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 44.0304 21.82 .Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 44.1816 21.96 .Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 44.3338 22.10 .Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 44.4869 22.24 .Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 44.6411 22.38 .Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 44.7962 22.52 .Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 44.9523 22.67 .Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 45.1095 22.82 .Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 45.2677 22.97 .Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 45.4270 23.13 .Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 45.5874 23.29 .Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 45.7489 23.45 .Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 45.9115 23.61 .Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 46.0752 23.78 .Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 46.2402 23.95 .Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 46.4063 24.12 .Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 46.5736 24.30 .Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 46.7422 24.48 .Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 46.9120 24.66 .Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 47.0831 24.85 .Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 47.2556 25.04 .Q . V . . .
(PEAK DAY 1, HOUR 9.667)
105.750 47.4293 25.23 .Q . V . . .
(PEAK DAY 1, HOUR 9.750)
105.833 47.6045 25.43 .Q . V . . .
(PEAK DAY 1, HOUR 9.833)
105.917 47.7810 25.63 .Q . V . . .
(PEAK DAY 1, HOUR 9.917)
106.000 47.9590 25.84 .Q . V . . .
(PEAK DAY 1, HOUR 10.000)
106.083 48.1383 26.05 .Q . V . . .
(PEAK DAY 1, HOUR 10.083)
106.167 48.3192 26.26 .Q . V . . .
(PEAK DAY 1, HOUR 10.167)
106.250 48.5016 26.48 .Q . V . . .
(PEAK DAY 1, HOUR 10.250)
106.333 48.6856 26.71 .Q . V . . .
(PEAK DAY 1, HOUR 10.333)
106.417 48.8711 26.94 .Q . V . . .
(PEAK DAY 1, HOUR 10.417)
106.500 49.0583 27.18 .Q . V . . .
(PEAK DAY 1, HOUR 10.500)
106.583 49.2471 27.42 .Q . V . . .
(PEAK DAY 1, HOUR 10.583)
106.667 49.4376 27.66 .Q . V . . .

```
 (PEAK DAY 1, HOUR  10.667)
106.750     49.6299     27.91  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833     49.8239     28.17  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917     50.0198     28.44  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000     50.2175     28.71  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083     50.4171     28.99  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167     50.6187     29.27  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250     50.8223     29.57  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333     51.0280     29.87  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417     51.2359     30.17  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500     51.4459     30.49  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583     51.6581     30.82  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667     51.8727     31.15  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750     52.0896     31.50  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833     52.3090     31.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917     52.5309     32.22  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000     52.7554     32.60  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083     52.9850     33.34  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167     53.2266     35.09  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250     53.4846     37.46  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333     53.7559     39.39  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417     54.0356     40.62  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500     54.3224     41.64  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583     54.6155     42.56  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667     54.9144     43.40  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750     55.2188     44.20  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833     55.5286     44.98  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917     55.8436     45.74  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000     56.1638     46.49  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083     56.4890     47.23  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167     56.8194     47.97  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250     57.1551     48.73  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333     57.4961     49.52  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417     57.8427     50.33  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500     58.1951     51.16  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583     58.5534     52.03  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667     58.9178     52.92  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750     59.2887     53.85  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833     59.6663     54.82  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917     60.0508     55.83  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000     60.4427     56.90  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083     60.8424     58.05  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167     61.2514     59.39  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250     61.6706     60.87  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333     62.1002     62.37  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417     62.5398     63.84  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500     62.9900     65.37  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583     63.4513     66.98  .  Q      .         V         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667     63.9245     68.71  .  Q      .         V         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750     64.4112     70.66  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833     64.9150     73.15  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917     65.4407     76.34  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000     65.9935     80.25  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083     66.5774     84.78  .   Q     .         .V        .         .
 (PEAK DAY 1, HOUR  15.083)
111.167     67.1973     90.01  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  15.167)
111.250     67.8580     95.94  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  15.250)
111.333     68.5659    102.79  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  15.333)
111.417     69.3190    109.35  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.417)
111.500     70.1017    113.65  .     Q   .         . V       .         .
 (PEAK DAY 1, HOUR  15.500)
111.583     70.9099    117.35  .     Q   .         . V       .         .
 (PEAK DAY 1, HOUR  15.583)
111.667     71.7709    125.02  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.667)
111.750     72.7266    138.77  .      Q  .         .  V      .         .
 (PEAK DAY 1, HOUR  15.750)
111.833     73.8217    159.00  .        Q.         .  V      .         .
 (PEAK DAY 1, HOUR  15.833)
111.917     75.1262    189.42  .         Q         .  V      .         .
 (PEAK DAY 1, HOUR  15.917)
112.000     76.7812    240.31  .          . Q      .   V     .         .
 (PEAK DAY 1, HOUR  16.000)
112.083     79.3056    366.54  .          .        Q   V     .         .
 (PEAK DAY 1, HOUR  16.083)
112.167     83.2784    576.85  .          .        .     V   . Q       .
 (PEAK DAY 1, HOUR  16.167)
112.250     87.9056    671.87  .          .        .      V  .       Q .
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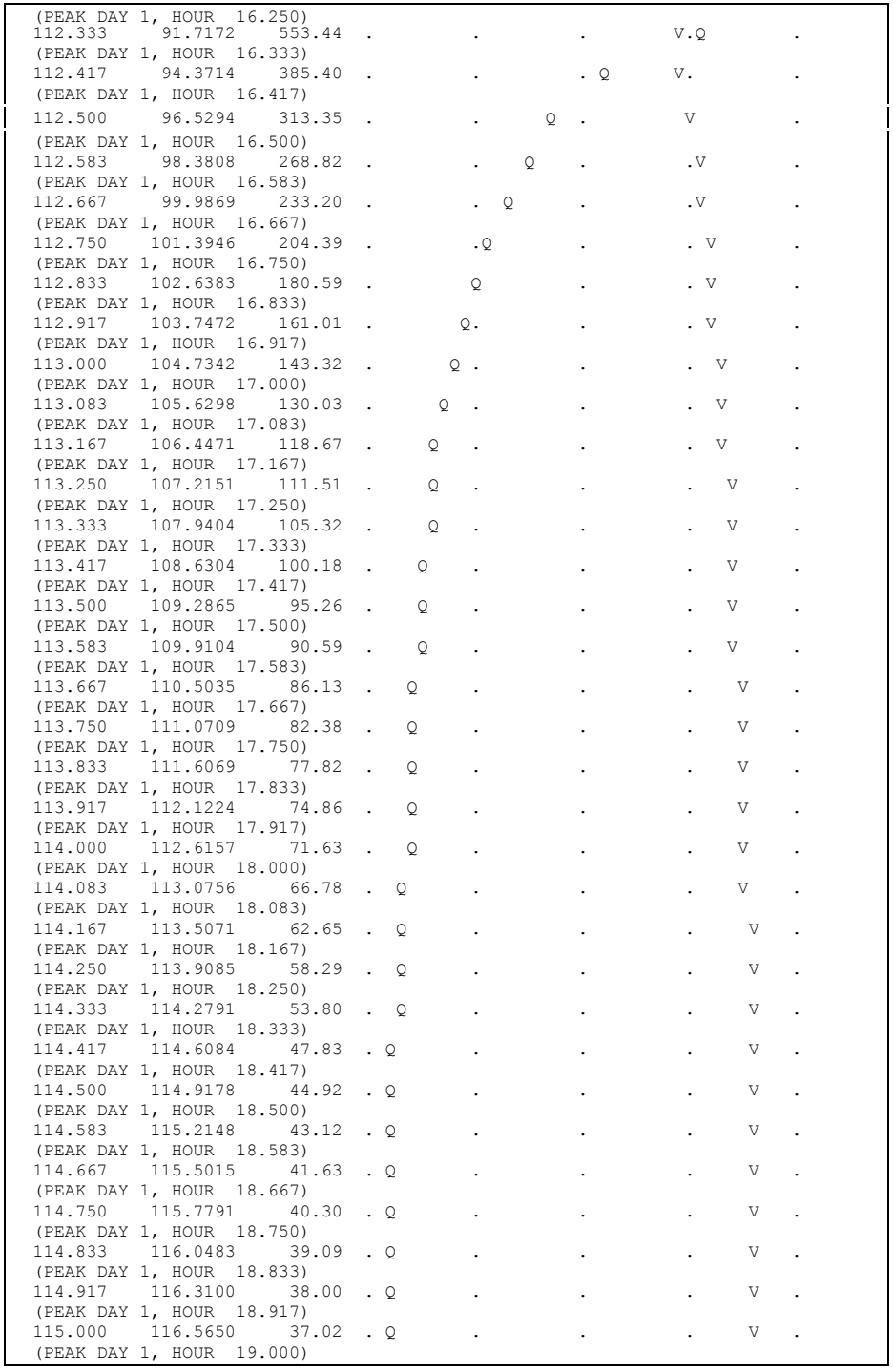
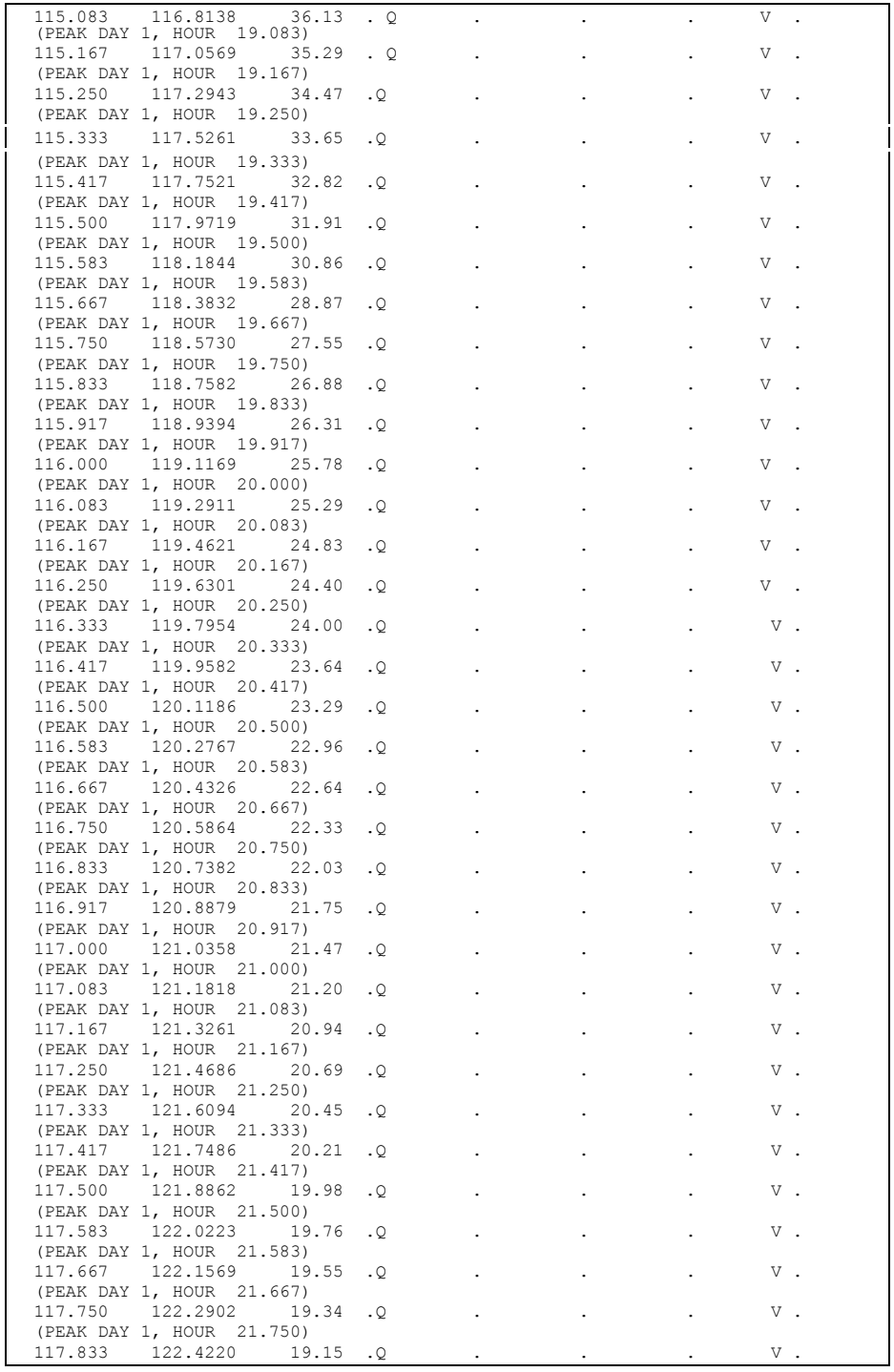

(PEAK DAY 1, HOUR 16.250)
112.333 91.7172 553.44 V.Q
(PEAK DAY 1, HOUR 16.333)
112.417 94.3714 385.40 Q V.
(PEAK DAY 1, HOUR 16.417)
112.500 96.5294 313.35 Q V
(PEAK DAY 1, HOUR 16.500)
112.583 98.3808 268.82 Q .V
(PEAK DAY 1, HOUR 16.583)
112.667 99.9869 233.20 Q .V
(PEAK DAY 1, HOUR 16.667)
112.750 101.3946 204.39 .Q . V
(PEAK DAY 1, HOUR 16.750)
112.833 102.6383 180.59 Q . V
(PEAK DAY 1, HOUR 16.833)
112.917 103.7472 161.01 Q. . V
(PEAK DAY 1, HOUR 16.917)
113.000 104.7342 143.32 Q . . V
(PEAK DAY 1, HOUR 17.000)
113.083 105.6298 130.03 Q . . V
(PEAK DAY 1, HOUR 17.083)
113.167 106.4471 118.67 Q . . V
(PEAK DAY 1, HOUR 17.167)
113.250 107.2151 111.51 Q . . V
(PEAK DAY 1, HOUR 17.250)
113.333 107.9404 105.32 Q . . V
(PEAK DAY 1, HOUR 17.333)
113.417 108.6304 100.18 Q . . V
(PEAK DAY 1, HOUR 17.417)
113.500 109.2865 95.26 Q . . V
(PEAK DAY 1, HOUR 17.500)
113.583 109.9104 90.59 Q . . V
(PEAK DAY 1, HOUR 17.583)
113.667 110.5035 86.13 Q . . V
(PEAK DAY 1, HOUR 17.667)
113.750 111.0709 82.38 Q . . V
(PEAK DAY 1, HOUR 17.750)
113.833 111.6069 77.82 Q . . V
(PEAK DAY 1, HOUR 17.833)
113.917 112.1224 74.86 Q . . V
(PEAK DAY 1, HOUR 17.917)
114.000 112.6157 71.63 Q . . V
(PEAK DAY 1, HOUR 18.000)
114.083 113.0756 66.78 Q . . V
(PEAK DAY 1, HOUR 18.083)
114.167 113.5071 62.65 Q . . V
(PEAK DAY 1, HOUR 18.167)
114.250 113.9085 58.29 Q . . V
(PEAK DAY 1, HOUR 18.250)
114.333 114.2791 53.80 Q . . V
(PEAK DAY 1, HOUR 18.333)
114.417 114.6084 47.83 Q . . V
(PEAK DAY 1, HOUR 18.417)
114.500 114.9178 44.92 Q . . V
(PEAK DAY 1, HOUR 18.500)
114.583 115.2148 43.12 Q . . V
(PEAK DAY 1, HOUR 18.583)
114.667 115.5015 41.63 Q . . V
(PEAK DAY 1, HOUR 18.667)
114.750 115.7791 40.30 Q . . V
(PEAK DAY 1, HOUR 18.750)
114.833 116.0483 39.09 Q . . V
(PEAK DAY 1, HOUR 18.833)
114.917 116.3100 38.00 Q . . V
(PEAK DAY 1, HOUR 18.917)
115.000 116.5650 37.02 Q . . V
(PEAK DAY 1, HOUR 19.000)


115.083 116.8138 36.13 Q . . V
(PEAK DAY 1, HOUR 19.083)
115.167 117.0569 35.29 Q . . V
(PEAK DAY 1, HOUR 19.167)
115.250 117.2943 34.47 Q . . V
(PEAK DAY 1, HOUR 19.250)
115.333 117.5261 33.65 Q . . V
(PEAK DAY 1, HOUR 19.333)
115.417 117.7521 32.82 Q . . V
(PEAK DAY 1, HOUR 19.417)
115.500 117.9719 31.91 Q . . V
(PEAK DAY 1, HOUR 19.500)
115.583 118.1844 30.86 Q . . V
(PEAK DAY 1, HOUR 19.583)
115.667 118.3832 28.87 Q . . V
(PEAK DAY 1, HOUR 19.667)
115.750 118.5730 27.55 Q . . V
(PEAK DAY 1, HOUR 19.750)
115.833 118.7582 26.88 Q . . V
(PEAK DAY 1, HOUR 19.833)
115.917 118.9394 26.31 Q . . V
(PEAK DAY 1, HOUR 19.917)
116.000 119.1169 25.78 Q . . V
(PEAK DAY 1, HOUR 20.000)
116.083 119.2911 25.29 Q . . V
(PEAK DAY 1, HOUR 20.083)
116.167 119.4621 24.83 Q . . V
(PEAK DAY 1, HOUR 20.167)
116.250 119.6301 24.40 Q . . V
(PEAK DAY 1, HOUR 20.250)
116.333 119.7954 24.00 Q . . V
(PEAK DAY 1, HOUR 20.333)
116.417 119.9582 23.64 Q . . V
(PEAK DAY 1, HOUR 20.417)
116.500 120.1186 23.29 Q . . V
(PEAK DAY 1, HOUR 20.500)
116.583 120.2767 22.96 Q . . V
(PEAK DAY 1, HOUR 20.583)
116.667 120.4326 22.64 Q . . V
(PEAK DAY 1, HOUR 20.667)
116.750 120.5864 22.33 Q . . V
(PEAK DAY 1, HOUR 20.750)
116.833 120.7382 22.03 Q . . V
(PEAK DAY 1, HOUR 20.833)
116.917 120.8879 21.75 Q . . V
(PEAK DAY 1, HOUR 20.917)
117.000 121.0358 21.47 Q . . V
(PEAK DAY 1, HOUR 21.000)
117.083 121.1818 21.20 Q . . V
(PEAK DAY 1, HOUR 21.083)
117.167 121.3261 20.94 Q . . V
(PEAK DAY 1, HOUR 21.167)
117.250 121.4686 20.69 Q . . V
(PEAK DAY 1, HOUR 21.250)
117.333 121.6094 20.45 Q . . V
(PEAK DAY 1, HOUR 21.333)
117.417 121.7486 20.21 Q . . V
(PEAK DAY 1, HOUR 21.417)
117.500 121.8862 19.98 Q . . V
(PEAK DAY 1, HOUR 21.500)
117.583 122.0223 19.76 Q . . V
(PEAK DAY 1, HOUR 21.583)
117.667 122.1569 19.55 Q . . V
(PEAK DAY 1, HOUR 21.667)
117.750 122.2902 19.34 Q . . V
(PEAK DAY 1, HOUR 21.750)
117.833 122.4220 19.15 Q . . V

(PEAK DAY 1, HOUR 21.833)
117.917 122.5526 18.96 .Q . . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 122.6818 18.77 .Q . . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 122.8099 18.59 .Q . . . V .
(PEAK DAY 1, HOUR 22.083)
118.167 122.9367 18.41 .Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 123.0623 18.24 .Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 123.1867 18.07 .Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 123.3100 17.90 .Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 123.4322 17.74 .Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 123.5533 17.59 .Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 123.6734 17.43 Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 123.7924 17.28 Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 123.9104 17.14 Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 124.0275 16.99 Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 124.1436 16.85 Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 124.2587 16.72 Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 124.3729 16.58 Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 124.4862 16.45 Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 124.5986 16.32 Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 124.7101 16.20 Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 124.8208 16.07 Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 124.9307 15.95 Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 125.0397 15.83 Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 125.1480 15.72 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 125.2554 15.60 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 125.3621 15.49 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 125.4680 15.38 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 125.5693 14.71 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 125.6552 12.46 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 125.7190 9.27 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 125.7661 6.83 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 125.8044 5.57 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 125.8365 4.66 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 125.8637 3.95 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 125.8871 3.40 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 125.9073 2.94 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 125.9250 2.56 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 125.9405 2.25 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 125.9542 1.99 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 125.9664 1.78 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 125.9775 1.61 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 125.9874 1.45 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 125.9964 1.30 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 126.0044 1.16 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 126.0116 1.04 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 126.0179 0.92 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 126.0234 0.81 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 126.0283 0.71 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 126.0326 0.62 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 126.0363 0.54 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 126.0395 0.46 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 126.0423 0.40 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 126.0446 0.35 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 126.0466 0.29 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 126.0483 0.24 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 126.0498 0.22 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 126.0512 0.20 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 126.0524 0.19 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 126.0536 0.17 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 126.0547 0.15 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 126.0556 0.14 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 126.0565 0.12 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 126.0572 0.11 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 126.0579 0.09 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 126.0584 0.08 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 126.0588 0.06 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 126.0592 0.05 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 126.0594 0.03 Q . . . V.

```
 (PEAK DAY 1, HOUR  27.417)
 123.500    126.0595      0.02  Q          .          .          .          V
 (PEAK DAY 1, HOUR  27.500)
 123.583    126.0596      0.00  Q          .          .          .          V
 (PEAK DAY 1, HOUR  27.583)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
         (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      550.0    1100.0    1650.0    2200.0
--------------------------------------------------------------------------------
  96.000    556.8755     61.27  .Q         V          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    557.2997     61.61  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    557.7462     64.83  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    558.2383     71.45  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    558.7894     80.02  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    559.4150     90.85  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    560.1615    108.39  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    561.0911    134.97  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    562.1783    157.88  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    563.3546    170.78  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    564.5953    180.16  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    565.8884    187.76  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    567.2252    194.09  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    568.5995    199.57  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    570.0073    204.41  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    571.4443    208.65  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    572.9072    212.41  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    574.3931    215.75  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    575.9006    218.88  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    577.4273    221.68  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    578.9713    224.19  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    580.5309    226.45  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    582.1042    228.45  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    583.6896    230.21  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    585.2869    231.91  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    586.8950    233.49  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    588.5112    234.69  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    590.1345    235.70  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    591.7648    236.72  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    593.4020    237.72  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    595.0462    238.74  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    596.6974    239.75  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    598.3557    240.78  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    600.0211    241.81  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    601.6937    242.86  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    603.3735    243.92  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    605.0607    244.98  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    606.7554    246.06  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    608.4575    247.15  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    610.1672    248.25  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    611.8846    249.36  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    613.6096    250.48  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    615.3425    251.61  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    617.0831    252.75  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    618.8317    253.89  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.667)
  99.750    620.5882    255.05  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.750)
  99.833    622.3527    256.21  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.833)
  99.917    624.1252    257.37  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.917)
 100.000    625.9053    258.47  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   4.000)
 100.083    627.6927    259.54  .  Q      .V          .          .          .
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(PEAK DAY 1, HOUR 4.083)									
100.167	629.4875	260.61	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR 4.167)									
100.250	631.2898	261.69	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR 4.250)									
100.333	633.0996	262.78	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR 4.333)									
100.417	634.9171	263.89	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR 4.417)									
100.500	636.7422	265.01	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.500)									
100.583	638.5751	266.14	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.583)									
100.667	640.4158	267.28	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.667)									
100.750	642.2646	268.44	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.750)									
100.833	644.1214	269.61	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.833)									
100.917	645.9864	270.79	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.917)									
101.000	647.8596	271.99	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.000)									
101.083	649.7411	273.20	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.083)									
101.167	651.6311	274.42	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.167)									
101.250	653.5296	275.66	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.250)									
101.333	655.4368	276.92	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.333)									
101.417	657.3527	278.19	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.417)									
101.500	659.2774	279.47	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.500)									
101.583	661.2111	280.77	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.583)									
101.667	663.1538	282.08	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.667)									
101.750	665.1057	283.42	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.750)									
101.833	667.0669	284.76	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.833)									
101.917	669.0375	286.13	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.917)									
102.000	671.0176	287.51	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.000)									
102.083	673.0073	288.91	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.083)									
102.167	675.0068	290.33	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.167)									
102.250	677.0162	291.76	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.250)									
102.333	679.0356	293.22	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.333)									
102.417	681.0652	294.69	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.417)									
102.500	683.1050	296.18	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.500)									
102.583	685.1552	297.69	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.583)									
102.667	687.2160	299.23	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.667)									
102.750	689.2875	300.78	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.750)									
102.833	691.3698	302.36	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.833)									
102.917	693.4631	303.95	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.917)									
103.000	695.5676	305.57	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.000)									
103.083	697.6834	307.21	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.083)									
103.167	699.8107	308.88	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.167)									
103.250	701.9496	310.57	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.250)									
103.333	704.1003	312.28	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.333)									
103.417	706.2629	314.02	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.417)									
103.500	708.4377	315.78	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.500)									
103.583	710.6249	317.57	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.583)									
103.667	712.8245	319.39	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.667)									
103.750	715.0369	321.23	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.750)									
103.833	717.2621	323.10	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.833)									
103.917	719.5004	325.00	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.917)									
104.000	721.7520	326.93	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.000)									
104.083	724.0170	328.89	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.083)									
104.167	726.2958	330.88	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.167)									
104.250	728.5886	332.91	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.250)									
104.333	730.8954	334.96	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.333)									
104.417	733.2167	337.05	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.417)									
104.500	735.5526	339.17	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.500)									
104.583	737.9034	341.33	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.583)									
104.667	740.2693	343.53	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.667)									
104.750	742.6505	345.76	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.750)									
104.833	745.0474	348.03	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.833)									
104.917	747.4601	350.33	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.917)									
105.000	749.8891	352.68	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.000)									
105.083	752.3345	355.07	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.083)									
105.167	754.7967	357.51	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.167)									
105.250	757.2759	359.99	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.250)									
105.333	759.7726	362.51	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.333)									
105.417	762.2869	365.08	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.417)									
105.500	764.8193	367.70	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.500)									
105.583	767.3700	370.37	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.583)									
105.667	769.9395	373.09	.	Q	. V	.	.	.	

```
 (PEAK DAY 1, HOUR   9.667)
105.750    772.5280    375.86  .     Q   .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    775.1360    378.68  .     Q   .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    777.7639    381.57  .     Q   .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    780.4120    384.51  .     Q   .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    783.0809    387.51  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    785.7708    390.57  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    788.4822    393.70  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    791.2156    396.89  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    793.9716    400.16  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    796.7504    403.49  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    799.5527    406.90  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    802.3790    410.38  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    805.2299    413.94  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    808.1058    417.58  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    811.0074    421.31  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    813.9353    425.13  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    816.8901    429.04  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    819.8725    433.04  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    822.8832    437.15  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    825.9228    441.35  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    828.9921    445.67  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    832.0920    450.10  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    835.2231    454.64  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    838.3864    459.31  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    841.5827    464.10  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    844.8129    469.03  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    848.0781    474.10  .       Q .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    851.3791    479.31  .       Q .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    854.7219    485.37  .       Q .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    858.1257    494.23  .       Q .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    861.6136    506.44  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    865.2002    520.77  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    868.9025    537.57  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    872.7667    561.09  .        Q      V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    876.8546    593.56  .        Q      V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    881.1423    622.58  .        .Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    885.5639    642.01  .        .Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    890.0969    658.20  .        .Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    894.7310    672.86  .        . Q    V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    899.4593    686.55  .        . Q    V   .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    904.2781    699.69  .        . Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    909.1844    712.40  .        . Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    914.1675    723.54  .        .  Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    919.2114    732.38  .        .  Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    924.3182    741.50  .        .  Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    929.5094    753.77  .        .  Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    934.8047    768.89  .        .  Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    940.2217    786.54  .        .   Q   V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    945.7708    805.74  .        .   Q   V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    951.4435    823.68  .        .   Q   V  .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    957.2193    838.64  .        .    Q  V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    963.0982    853.62  .        .    Q  V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    969.1011    871.63  .        .    Q  V .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    975.2510    892.96  .        .     Q V .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    981.5587    915.89  .        .     Q V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    988.0295    939.57  .        .      QV .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    994.6855    966.45  .        .      QV .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500   1001.5480    996.42  .        .       Q .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583   1008.6304   1028.37  .        .       QV.         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667   1015.9644   1064.89  .        .        Q.         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750   1023.5793   1105.69  .        .        VQ         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833   1031.4691   1145.60  .        .        VQ         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917   1039.6105   1182.12  .        .        V.Q        .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1048.0011   1218.32  .        .        V. Q       .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1056.6536   1256.33  .        .        V. Q       .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1065.5721   1294.98  .        .         V  Q      .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1074.7595   1334.00  .        .         V   Q     .         .
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 (PEAK DAY 1, HOUR  15.250)
111.333   1084.2246   1374.33  .         .         V   Q     .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1093.9501   1412.14  .         .         V    Q    .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1103.8761   1441.26  .         .         V     Q   .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1113.9706   1465.73  .         .         .V    Q   .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1124.2614   1494.22  .         .         .V     Q  .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1134.7910   1528.90  .         .         .V     Q  .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1145.5966   1568.97  .         .         .V      Q .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1156.7266   1616.08  .         .         .V       Q.         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1168.3085   1681.69  .         .         . V       Q         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1180.8759   1824.78  .         .         . V       .  Q      .
 (PEAK DAY 1, HOUR  16.083)
112.167   1195.0514   2058.29  .         .         . V       .     Q   .
 (PEAK DAY 1, HOUR  16.167)
112.250   1210.1047   2185.75  .         .         . V       .       Q.
 (PEAK DAY 1, HOUR  16.250)
112.333   1224.6304   2109.12  .         .         .  V      .      Q .
 (PEAK DAY 1, HOUR  16.333)
112.417   1238.3531   1992.56  .         .         .  V      .    Q   .
 (PEAK DAY 1, HOUR  16.417)
112.500   1252.0182   1984.17  .         .         .  V      .    Q   .
 (PEAK DAY 1, HOUR  16.500)
112.583   1265.8722   2011.61  .         .         .  V      .    Q   .
 (PEAK DAY 1, HOUR  16.583)
112.667   1279.8615   2031.25  .         .         .   V     .    Q   .
 (PEAK DAY 1, HOUR  16.667)
112.750   1293.8583   2032.33  .         .         .   V     .    Q   .
 (PEAK DAY 1, HOUR  16.750)
112.833   1307.8298   2028.67  .         .         .   V     .    Q   .
 (PEAK DAY 1, HOUR  16.833)
112.917   1321.7808   2025.68  .         .         .   V     .    Q   .
 (PEAK DAY 1, HOUR  16.917)
113.000   1335.7112   2022.71  .         .         .    V    .    Q   .
 (PEAK DAY 1, HOUR  17.000)
113.083   1349.6414   2022.66  .         .         .    V    .    Q   .
 (PEAK DAY 1, HOUR  17.083)
113.167   1363.5728   2022.85  .         .         .    V    .    Q   .
 (PEAK DAY 1, HOUR  17.167)
113.250   1377.5214   2025.33  .         .         .     V   .    Q   .
 (PEAK DAY 1, HOUR  17.250)
113.333   1391.4807   2026.91  .         .         .     V   .    Q   .
 (PEAK DAY 1, HOUR  17.333)
113.417   1405.4459   2027.74  .         .         .     V   .    Q   .
 (PEAK DAY 1, HOUR  17.417)
113.500   1419.4064   2027.06  .         .         .     V   .    Q   .
 (PEAK DAY 1, HOUR  17.500)
113.583   1433.3506   2024.69  .         .         .      V  .    Q   .
 (PEAK DAY 1, HOUR  17.583)
113.667   1447.2664   2020.58  .         .         .      V  .    Q   .
 (PEAK DAY 1, HOUR  17.667)
113.750   1461.1476   2015.56  .         .         .      V  .    Q   .
 (PEAK DAY 1, HOUR  17.750)
113.833   1474.9797   2008.42  .         .         .      V  .    Q   .
 (PEAK DAY 1, HOUR  17.833)
113.917   1488.7657   2001.73  .         .         .       V .    Q   .
 (PEAK DAY 1, HOUR  17.917)
114.000   1502.4974   1993.84  .         .         .       V .    Q   .
 (PEAK DAY 1, HOUR  18.000)
114.083   1516.1580   1983.50  .         .         .       V .     Q  .
 (PEAK DAY 1, HOUR  18.083)
114.167   1529.7457   1972.95  .         .         .       V .    Q   .
 (PEAK DAY 1, HOUR  18.167)
114.250   1543.2537   1961.36  .         .         .        V.    Q   .
 (PEAK DAY 1, HOUR  18.250)
114.333   1556.6774   1949.13  .         .         .        V.    Q   .
 (PEAK DAY 1, HOUR  18.333)
114.417   1570.0043   1935.07  .         .         .        V.    Q   .
 (PEAK DAY 1, HOUR  18.417)
114.500   1583.2542   1923.88  .         .         .        V.   Q    .
 (PEAK DAY 1, HOUR  18.500)
114.583   1596.4341   1913.73  .         .         .         V   Q    .
 (PEAK DAY 1, HOUR  18.583)
114.667   1609.5454   1903.77  .         .         .         V   Q    .
 (PEAK DAY 1, HOUR  18.667)
114.750   1622.5874   1893.70  .         .         .         V   Q    .
 (PEAK DAY 1, HOUR  18.750)
114.833   1635.5597   1883.58  .         .         .         V   Q    .
 (PEAK DAY 1, HOUR  18.833)
114.917   1648.4624   1873.47  .         .         .        .V  Q    .
 (PEAK DAY 1, HOUR  18.917)
115.000   1661.2969   1863.56  .         .         .        .V Q     .
 (PEAK DAY 1, HOUR  19.000)
115.083   1674.0648   1853.91  .         .         .        .V Q     .
 (PEAK DAY 1, HOUR  19.083)
115.167   1686.7671   1844.37  .         .         .        .V Q     .
 (PEAK DAY 1, HOUR  19.167)
115.250   1699.4036   1834.82  .         .         .        . VQ     .
 (PEAK DAY 1, HOUR  19.250)
115.333   1711.9716   1824.87  .         .         .        . VQ     .
 (PEAK DAY 1, HOUR  19.333)
115.417   1724.4570   1812.88  .         .         .        . Q      .
 (PEAK DAY 1, HOUR  19.417)
115.500   1736.8337   1797.10  .         .         .        . Q      .
 (PEAK DAY 1, HOUR  19.500)
115.583   1749.0856   1778.97  .         .         .        . QV     .
 (PEAK DAY 1, HOUR  19.583)
115.667   1761.2052   1759.77  .         .         .        .Q V     .
 (PEAK DAY 1, HOUR  19.667)
115.750   1773.1974   1741.27  .         .         .        .Q V     .
 (PEAK DAY 1, HOUR  19.750)
115.833   1785.0658   1723.30  .         .         .        .Q V     .
 (PEAK DAY 1, HOUR  19.833)
115.917   1796.8088   1705.09  .         .         .        .Q V     .
 (PEAK DAY 1, HOUR  19.917)
116.000   1808.4250   1686.67  .         .         .        Q  V     .
 (PEAK DAY 1, HOUR  20.000)
116.083   1819.9144   1668.26  .         .         .        Q  V     .
 (PEAK DAY 1, HOUR  20.083)
116.167   1831.2775   1649.91  .         .         .       Q.  V     .
 (PEAK DAY 1, HOUR  20.167)
116.250   1842.5126   1631.34  .         .         .       Q.  V     .
 (PEAK DAY 1, HOUR  20.250)
116.333   1853.6162   1612.25  .         .         .       Q.   V    .
 (PEAK DAY 1, HOUR  20.333)
116.417   1864.5869   1592.95  .         .         .       Q .  V    .
 (PEAK DAY 1, HOUR  20.417)
116.500   1875.4259   1573.82  .         .         .       Q .  V    .
 (PEAK DAY 1, HOUR  20.500)
116.583   1886.1342   1554.83  .         .         .       Q .  V    .
 (PEAK DAY 1, HOUR  20.583)
116.667   1896.7106   1535.70  .         .         .      Q  .  V    .
 (PEAK DAY 1, HOUR  20.667)
116.750   1907.1525   1516.16  .         .         .      Q  .   V   .
 (PEAK DAY 1, HOUR  20.750)
116.833   1917.4589   1496.50  .         .         .      Q  .    V  .
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(PEAK DAY 1, HOUR  20.833)
116.917   1927.6312   1477.03  .         .         .     Q   .     V   .
(PEAK DAY 1, HOUR  20.917)
117.000   1937.6704   1457.69  .         .         .     Q   .     V   .
(PEAK DAY 1, HOUR  21.000)
117.083   1947.5718   1437.67  .         .         .     Q   .     V   .
(PEAK DAY 1, HOUR  21.083)
117.167   1957.3228   1415.84  .         .         .    Q    .     V   .
(PEAK DAY 1, HOUR  21.167)
117.250   1966.9160   1392.94  .         .         .    Q    .      V  .
(PEAK DAY 1, HOUR  21.250)
117.333   1976.3534   1370.31  .         .         .   Q     .      V  .
(PEAK DAY 1, HOUR  21.333)
117.417   1985.6296   1346.92  .         .         .   Q     .      V  .
(PEAK DAY 1, HOUR  21.417)
117.500   1994.7091   1318.34  .         .         .  Q      .      V  .
(PEAK DAY 1, HOUR  21.500)
117.583   2003.5399   1282.24  .         .         .  Q      .      V  .
(PEAK DAY 1, HOUR  21.583)
117.667   2012.0990   1242.79  .         .         . Q       .       V .
(PEAK DAY 1, HOUR  21.667)
117.750   2020.3800   1202.39  .         .         .Q        .       V .
(PEAK DAY 1, HOUR  21.750)
117.833   2028.3760   1161.02  .         .         .Q        .       V .
(PEAK DAY 1, HOUR  21.833)
117.917   2036.0826   1119.00  .         .         Q         .       V .
(PEAK DAY 1, HOUR  21.917)
118.000   2043.4700   1072.64  .         .        Q.         .       V .
(PEAK DAY 1, HOUR  22.000)
118.083   2050.4990   1020.61  .         .       Q .         .       V .
(PEAK DAY 1, HOUR  22.083)
118.167   2057.1292    962.68  .         .      Q  .         .       V .
(PEAK DAY 1, HOUR  22.167)
118.250   2063.0212    855.53  .         .    Q    .         .       V .
(PEAK DAY 1, HOUR  22.250)
118.333   2067.2317    611.37  .         .Q        .         .        V.
(PEAK DAY 1, HOUR  22.333)
118.417   2069.5171    331.84  .     Q   .         .         .        V.
(PEAK DAY 1, HOUR  22.417)
118.500   2071.3760    269.90  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  22.500)
118.583   2073.3276    283.39  .    Q    .         .         .        V.
(PEAK DAY 1, HOUR  22.583)
118.667   2075.1763    268.43  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  22.667)
118.750   2077.0625    273.87  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  22.750)
118.833   2078.8972    266.39  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  22.833)
118.917   2080.7388    267.38  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  22.917)
119.000   2082.5498    262.97  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.000)
119.083   2084.3552    262.14  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.083)
119.167   2086.1394    259.07  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.167)
119.250   2087.9131    257.54  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.250)
119.333   2089.6699    255.08  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.333)
119.417   2091.4143    253.30  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.417)
119.500   2093.1440    251.15  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.500)
119.583   2094.8611    249.30  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.583)
119.667   2096.5645    247.33  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.667)
119.750   2098.2551    245.50  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.750)
119.833   2099.9331    243.63  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.833)
119.917   2101.5989    241.85  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  23.917)
120.000   2103.2522    240.08  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  24.000)
120.083   2104.8867    237.32  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  24.083)
120.167   2106.4758    230.75  .   Q     .         .         .        V.
(PEAK DAY 1, HOUR  24.167)
120.250   2107.9893    219.75  .  Q      .         .         .        V.
(PEAK DAY 1, HOUR  24.250)
120.333   2109.4099    206.29  .  Q      .         .         .        V.
(PEAK DAY 1, HOUR  24.333)
120.417   2110.7183    189.98  .  Q      .         .         .        V.
(PEAK DAY 1, HOUR  24.417)
120.500   2111.8540    164.90  . Q       .         .         .        V.
(PEAK DAY 1, HOUR  24.500)
120.583   2112.7358    128.04  . Q       .         .         .        V.
(PEAK DAY 1, HOUR  24.583)
120.667   2113.4011     96.60  .Q        .         .         .        V.
(PEAK DAY 1, HOUR  24.667)
120.750   2113.9451     78.98  .Q        .         .         .        V.
(PEAK DAY 1, HOUR  24.750)
120.833   2114.4019     66.34  .Q        .         .         .        V.
(PEAK DAY 1, HOUR  24.833)
120.917   2114.7893     56.26  .Q        .         .         .        V.
(PEAK DAY 1, HOUR  24.917)
121.000   2115.1199     48.01  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.000)
121.083   2115.4026     41.05  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.083)
121.167   2115.6438     35.02  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.167)
121.250   2115.8496     29.89  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.250)
121.333   2116.0251     25.49  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.333)
121.417   2116.1746     21.71  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.417)
121.500   2116.3003     18.27  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.500)
121.583   2116.4060     15.34  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.583)
121.667   2116.4944     12.84  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.667)
121.750   2116.5684     10.72  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.750)
121.833   2116.6304      8.99  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.833)
121.917   2116.6829      7.61  Q         .         .         .        V.
(PEAK DAY 1, HOUR  25.917)
122.000   2116.7266      6.33  Q         .         .         .        V.
(PEAK DAY 1, HOUR  26.000)
122.083   2116.7627      5.25  Q         .         .         .        V.
(PEAK DAY 1, HOUR  26.083)
122.167   2116.7952      4.71  Q         .         .         .        V.
(PEAK DAY 1, HOUR  26.167)
122.250   2116.8257      4.43  Q         .         .         .        V.
(PEAK DAY 1, HOUR  26.250)
122.333   2116.8542      4.15  Q         .         .         .        V.
(PEAK DAY 1, HOUR  26.333)
122.417   2116.8811      3.91  Q         .         .         .        V.
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 (PEAK DAY 1, HOUR  26.417)
122.500   2116.9065      3.68  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.500)
122.583   2116.9302      3.45  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.583)
122.667   2116.9524      3.22  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.667)
122.750   2116.9731      3.00  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.750)
122.833   2116.9922      2.78  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.833)
122.917   2117.0098      2.55  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.917)
123.000   2117.0259      2.33  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.000)
123.083   2117.0405      2.11  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.083)
123.167   2117.0537      1.90  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.167)
123.250   2117.0652      1.68  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.250)
123.333   2117.0752      1.47  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.333)
123.417   2117.0837      1.25  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.417)
123.500   2117.0908      1.04  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
123.583   2117.0964      0.83  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
123.667   2117.1008      0.63  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
123.750   2117.1038      0.44  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
123.833   2117.1055      0.25  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
123.917   2117.1060      0.08  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.917)
124.000   2117.1060      0.00  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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********************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE = 5.2
--------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     382.00
           DOWNSTREAM ELEVATION(FT) =     375.00
           CHANNEL LENGTH(FT) =    1141.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00

         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  2185.75
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  1615.71
           CHANNEL NORMAL VELOCITY FOR Q =  1615.71 CFS =   8.33 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.830

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.976


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	61.27	61.45	61.45
1	0.083	96.083	61.61	61.48	61.48
1	0.167	96.167	64.83	63.56	63.56
1	0.250	96.250	71.45	68.81	68.81
1	0.333	96.333	80.02	76.57	76.57
1	0.417	96.417	90.85	86.49	86.49
1	0.500	96.500	108.39	101.36	101.36
1	0.583	96.583	134.97	124.31	124.31
1	0.667	96.667	157.88	148.58	148.58
1	0.750	96.750	170.78	165.46	165.46
1	0.833	96.833	180.16	176.33	176.33
1	0.917	96.917	187.76	184.66	184.66
1	1.000	97.000	194.09	191.52	191.52
1	1.083	97.083	199.57	197.34	197.34
1	1.167	97.167	204.41	202.44	202.44
1	1.250	97.250	208.65	206.93	206.93
1	1.333	97.333	212.41	210.88	210.88
1	1.417	97.417	215.75	214.40	214.40
1	1.500	97.500	218.88	217.61	217.61
1	1.583	97.583	221.68	220.55	220.55
1	1.667	97.667	224.19	223.17	223.17
1	1.750	97.750	226.45	225.53	225.53
1	1.833	97.833	228.45	227.64	227.64
1	1.917	97.917	230.21	229.49	229.49
1	2.000	98.000	231.91	231.22	231.22
1	2.083	98.083	233.49	232.85	232.85
1	2.167	98.167	234.69	234.20	234.20
1	2.250	98.250	235.70	235.29	235.29
1	2.333	98.333	236.72	236.31	236.31
1	2.417	98.417	237.72	237.32	237.32
1	2.500	98.500	238.74	238.33	238.33
1	2.583	98.583	239.75	239.34	239.34
1	2.667	98.667	240.78	240.36	240.36
1	2.750	98.750	241.81	241.40	241.40
1	2.833	98.833	242.86	242.44	242.44
1	2.917	98.917	243.92	243.49	243.49
1	3.000	99.000	244.98	244.55	244.55
1	3.083	99.083	246.06	245.63	245.63
1	3.167	99.167	247.15	246.71	246.71
1	3.250	99.250	248.25	247.80	247.80
1	3.333	99.333	249.36	248.91	248.91
1	3.417	99.417	250.48	250.02	250.02
1	3.500	99.500	251.61	251.15	251.15
1	3.583	99.583	252.75	252.28	252.28
1	3.667	99.667	253.89	253.43	253.43
1	3.750	99.750	255.05	254.58	254.58
1	3.833	99.833	256.21	255.74	255.74
1	3.917	99.917	257.37	256.90	256.90
1	4.000	100.000	258.47	258.03	258.03
1	4.083	100.083	259.54	259.11	259.11

1	4.167 100.167	260.61	260.17	260.17
1	4.250 100.250	261.69	261.25	261.25
1	4.333 100.333	262.78	262.34	262.34
1	4.417 100.417	263.89	263.44	263.44
1	4.500 100.500	265.01	264.56	264.56
1	4.583 100.583	266.14	265.68	265.68
1	4.667 100.667	267.28	266.82	266.82
1	4.750 100.750	268.44	267.97	267.97
1	4.833 100.833	269.61	269.14	269.14
1	4.917 100.917	270.79	270.31	270.31
1	5.000 101.000	271.99	271.51	271.51
1	5.083 101.083	273.20	272.71	272.71
1	5.167 101.167	274.42	273.93	273.93
1	5.250 101.250	275.66	275.16	275.16
1	5.333 101.333	276.92	276.41	276.41
1	5.417 101.417	278.19	277.67	277.67
1	5.500 101.500	279.47	278.95	278.95
1	5.583 101.583	280.77	280.24	280.24
1	5.667 101.667	282.08	281.55	281.55
1	5.750 101.750	283.42	282.88	282.88
1	5.833 101.833	284.76	284.22	284.22
1	5.917 101.917	286.13	285.58	285.58
1	6.000 102.000	287.51	286.95	286.95
1	6.083 102.083	288.91	288.34	288.34
1	6.167 102.167	290.33	289.75	289.75
1	6.250 102.250	291.76	291.18	291.18
1	6.333 102.333	293.22	292.63	292.63
1	6.417 102.417	294.69	294.09	294.09
1	6.500 102.500	296.18	295.58	295.58
1	6.583 102.583	297.69	297.08	297.08
1	6.667 102.667	299.23	298.61	298.61
1	6.750 102.750	300.78	300.15	300.15
1	6.833 102.833	302.36	301.72	301.72
1	6.917 102.917	303.95	303.31	303.31
1	7.000 103.000	305.57	304.92	304.92
1	7.083 103.083	307.21	306.55	306.55
1	7.167 103.167	308.88	308.21	308.21
1	7.250 103.250	310.57	309.89	309.89
1	7.333 103.333	312.28	311.59	311.59
1	7.417 103.417	314.02	313.32	313.32
1	7.500 103.500	315.78	315.07	315.07
1	7.583 103.583	317.57	316.85	316.85
1	7.667 103.667	319.39	318.65	318.65
1	7.750 103.750	321.23	320.48	320.48
1	7.833 103.833	323.10	322.34	322.34
1	7.917 103.917	325.00	324.23	324.23
1	8.000 104.000	326.93	326.15	326.15
1	8.083 104.083	328.89	328.10	328.10
1	8.167 104.167	330.88	330.08	330.08
1	8.250 104.250	332.91	332.09	332.09
1	8.333 104.333	334.96	334.13	334.13
1	8.417 104.417	337.05	336.21	336.21
1	8.500 104.500	339.17	338.31	338.31
1	8.583 104.583	341.33	340.46	340.46
1	8.667 104.667	343.53	342.64	342.64
1	8.750 104.750	345.76	344.85	344.85
1	8.833 104.833	348.03	347.11	347.11
1	8.917 104.917	350.33	349.40	349.40
1	9.000 105.000	352.68	351.73	351.73
1	9.083 105.083	355.07	354.11	354.11
1	9.167 105.167	357.51	356.52	356.52
1	9.250 105.250	359.99	358.98	358.98
1	9.333 105.333	362.51	361.49	361.49
1	9.417 105.417	365.08	364.04	364.04
1	9.500 105.500	367.70	366.64	366.64
1	9.583 105.583	370.37	369.29	369.29
1	9.667 105.667	373.09	371.99	371.99
1	9.750 105.750	375.86	374.74	374.74
1	9.833 105.833	378.68	377.54	377.54
1	9.917 105.917	381.57	380.40	380.40
1	10.000 106.000	384.51	383.32	383.32
1	10.083 106.083	387.51	386.30	386.30
1	10.167 106.167	390.57	389.33	389.33
1	10.250 106.250	393.70	392.44	392.44
1	10.333 106.333	396.89	395.60	395.60
1	10.417 106.417	400.16	398.84	398.84
1	10.500 106.500	403.49	402.14	402.14
1	10.583 106.583	406.90	405.52	405.52
1	10.667 106.667	410.38	408.97	408.97
1	10.750 106.750	413.94	412.50	412.50
1	10.833 106.833	417.58	416.11	416.11
1	10.917 106.917	421.31	419.81	419.81
1	11.000 107.000	425.13	423.59	423.59
1	11.083 107.083	429.04	427.46	427.46
1	11.167 107.167	433.04	431.42	431.42
1	11.250 107.250	437.15	435.49	435.49
1	11.333 107.333	441.35	439.65	439.65
1	11.417 107.417	445.67	443.92	443.92
1	11.500 107.500	450.10	448.31	448.31
1	11.583 107.583	454.64	452.80	452.80
1	11.667 107.667	459.31	457.42	457.42
1	11.750 107.750	464.10	462.16	462.16
1	11.833 107.833	469.03	467.04	467.04
1	11.917 107.917	474.10	472.05	472.05
1	12.000 108.000	479.31	477.20	477.20
1	12.083 108.083	485.37	482.93	482.93
1	12.167 108.167	494.23	490.68	490.68
1	12.250 108.250	506.44	501.54	501.54
1	12.333 108.333	520.77	515.00	515.00
1	12.417 108.417	537.57	530.80	530.80
1	12.500 108.500	561.09	551.64	551.64
1	12.583 108.583	593.56	580.52	580.52
1	12.667 108.667	622.58	610.81	610.81
1	12.750 108.750	642.01	634.06	634.06
1	12.833 108.833	658.20	651.61	651.61
1	12.917 108.917	672.86	666.92	666.92
1	13.000 109.000	686.55	681.00	681.00
1	13.083 109.083	699.69	694.37	694.37
1	13.167 109.167	712.40	707.25	707.25
1	13.250 109.250	723.54	719.02	719.02
1	13.333 109.333	732.38	728.78	728.78
1	13.417 109.417	741.50	737.81	737.81
1	13.500 109.500	753.77	748.84	748.84
1	13.583 109.583	768.89	762.80	762.80
1	13.667 109.667	786.54	779.42	779.42
1	13.750 109.750	805.74	797.99	797.99
1	13.833 109.833	823.68	816.41	816.41
1	13.917 109.917	838.64	832.56	832.56
1	14.000 110.000	853.62	847.56	847.56
1	14.083 110.083	871.63	864.37	864.37
1	14.167 110.167	892.96	884.36	884.36
1	14.250 110.250	915.89	906.63	906.63
1	14.333 110.333	939.57	930.00	930.00
1	14.417 110.417	966.45	955.61	955.61
1	14.500 110.500	996.42	984.33	984.33
1	14.583 110.583	1028.37	1015.47	1015.47
1	14.667 110.667	1064.89	1050.17	1050.17
1	14.750 110.750	1105.69	1089.23	1089.23
1	14.833 110.833	1145.60	1129.45	1129.45
1	14.917 110.917	1182.12	1167.32	1167.32
1	15.000 111.000	1218.32	1203.68	1203.68
1	15.083 111.083	1256.33	1240.98	1240.98
1	15.167 111.167	1294.98	1279.36	1279.36
1	15.250 111.250	1334.00	1318.22	1318.22

1	15.333	111.333	1374.33	1358.03	1358.03
1	15.417	111.417	1412.14	1396.82	1396.82
1	15.500	111.500	1441.26	1429.39	1429.39
1	15.583	111.583	1465.73	1455.78	1455.78
1	15.667	111.667	1494.22	1482.73	1482.73
1	15.750	111.750	1528.90	1514.94	1514.94
1	15.833	111.833	1568.97	1552.82	1552.82
1	15.917	111.917	1616.08	1597.09	1597.09
1	16.000	112.000	1681.69	1655.33	1655.33
1	16.083	112.083	1824.78	1767.67	1767.67
1	16.167	112.167	2058.29	1964.75	1964.75
1	16.250	112.250	2185.75	2133.16	2133.16
1	16.333	112.333	2109.12	2138.07	2138.07
1	16.417	112.417	1992.56	2039.26	2039.26
1	16.500	112.500	1984.17	1988.62	1988.62
1	16.583	112.583	2011.61	2000.89	2000.89
1	16.667	112.667	2031.25	2023.23	2023.23
1	16.750	112.750	2032.33	2031.71	2031.71
1	16.833	112.833	2028.67	2030.10	2030.10
1	16.917	112.917	2025.68	2026.89	2026.89
1	17.000	113.000	2022.71	2023.91	2023.91
1	17.083	113.083	2022.66	2022.71	2022.71
1	17.167	113.167	2022.85	2022.77	2022.77
1	17.250	113.250	2025.33	2024.35	2024.35
1	17.333	113.333	2026.91	2026.26	2026.26
1	17.417	113.417	2027.74	2027.40	2027.40
1	17.500	113.500	2027.06	2027.32	2027.32
1	17.583	113.583	2024.69	2025.63	2025.63
1	17.667	113.667	2020.58	2022.22	2022.22
1	17.750	113.750	2015.56	2017.58	2017.58
1	17.833	113.833	2008.42	2011.29	2011.29
1	17.917	113.917	2001.73	2004.44	2004.44
1	18.000	114.000	1993.84	1997.02	1997.02
1	18.083	114.083	1983.50	1987.66	1987.66
1	18.167	114.167	1972.95	1977.21	1977.21
1	18.250	114.250	1961.36	1966.03	1966.03
1	18.333	114.333	1949.13	1954.07	1954.07
1	18.417	114.417	1935.07	1940.74	1940.74
1	18.500	114.500	1923.88	1928.43	1928.43
1	18.583	114.583	1913.73	1917.85	1917.85
1	18.667	114.667	1903.77	1907.80	1907.80
1	18.750	114.750	1893.70	1897.77	1897.77
1	18.833	114.833	1883.58	1887.68	1887.68
1	18.917	114.917	1873.47	1877.56	1877.56
1	19.000	115.000	1863.56	1867.57	1867.57
1	19.083	115.083	1853.91	1857.82	1857.82
1	19.167	115.167	1844.37	1848.23	1848.23
1	19.250	115.250	1834.82	1838.68	1838.68
1	19.333	115.333	1824.87	1828.89	1828.89
1	19.417	115.417	1812.88	1817.71	1817.71
1	19.500	115.500	1797.10	1803.45	1803.45
1	19.583	115.583	1778.97	1786.28	1786.28
1	19.667	115.667	1759.77	1767.52	1767.52
1	19.750	115.750	1741.27	1748.76	1748.76
1	19.833	115.833	1723.30	1730.57	1730.57
1	19.917	115.917	1705.09	1712.45	1712.45
1	20.000	116.000	1686.67	1694.12	1694.12
1	20.083	116.083	1668.26	1675.71	1675.71
1	20.167	116.167	1649.91	1657.33	1657.33
1	20.250	116.250	1631.34	1638.85	1638.85
1	20.333	116.333	1612.25	1619.97	1619.97
1	20.417	116.417	1592.95	1600.76	1600.76
1	20.500	116.500	1573.82	1581.56	1581.56
1	20.583	116.583	1554.83	1562.51	1562.51
1	20.667	116.667	1535.70	1543.44	1543.44
1	20.750	116.750	1516.16	1524.06	1524.06
1	20.833	116.833	1496.50	1504.45	1504.45
1	20.917	116.917	1477.03	1484.91	1484.91
1	21.000	117.000	1457.69	1465.52	1465.52
1	21.083	117.083	1437.67	1445.76	1445.76
1	21.167	117.167	1415.84	1424.65	1424.65
1	21.250	117.250	1392.94	1402.19	1402.19
1	21.333	117.333	1370.31	1379.47	1379.47
1	21.417	117.417	1346.92	1356.37	1356.37
1	21.500	117.500	1318.34	1329.85	1329.85
1	21.583	117.583	1282.24	1296.77	1296.77
1	21.667	117.667	1242.79	1258.71	1258.71
1	21.750	117.750	1202.39	1218.72	1218.72
1	21.833	117.833	1161.02	1177.74	1177.74
1	21.917	117.917	1119.00	1135.99	1135.99
1	22.000	118.000	1072.64	1091.35	1091.35
1	22.083	118.083	1020.61	1041.59	1041.59
1	22.167	118.167	962.68	986.05	986.05
1	22.250	118.250	855.53	898.38	898.38
1	22.333	118.333	611.37	708.76	708.76
1	22.417	118.417	331.84	444.52	444.52
1	22.500	118.500	269.90	297.10	297.10
1	22.583	118.583	283.39	278.73	278.73
1	22.667	118.667	268.43	274.22	274.22
1	22.750	118.750	273.87	271.87	271.87
1	22.833	118.833	266.39	269.29	269.29
1	22.917	118.917	267.38	267.06	267.06
1	23.000	119.000	262.97	264.70	264.70
1	23.083	119.083	262.14	262.51	262.51
1	23.167	119.167	259.07	260.29	260.29
1	23.250	119.250	257.54	258.17	258.17
1	23.333	119.333	255.08	256.07	256.07
1	23.417	119.417	253.30	254.03	254.03
1	23.500	119.500	251.15	252.01	252.01
1	23.583	119.583	249.30	250.05	250.05
1	23.667	119.667	247.33	248.12	248.12
1	23.750	119.750	245.50	246.24	246.24
1	23.833	119.833	243.63	244.39	244.39
1	23.917	119.917	241.85	242.58	242.58
1	24.000	120.000	240.08	240.80	240.80
1	24.083	120.083	237.32	238.43	238.43
1	24.167	120.167	230.75	233.37	233.37
1	24.250	120.250	219.75	224.15	224.15
1	24.333	120.333	206.29	211.71	211.71
1	24.417	120.417	189.98	196.55	196.55
1	24.500	120.500	164.90	174.96	174.96
1	24.583	120.583	128.04	142.83	142.83
1	24.667	120.667	96.60	109.37	109.37
1	24.750	120.750	78.98	86.24	86.24
1	24.833	120.833	66.34	71.50	71.50
1	24.917	120.917	56.26	60.36	60.36
1	25.000	121.000	48.01	51.37	51.37
1	25.083	121.083	41.05	43.88	43.88
1	25.167	121.167	35.02	37.46	37.46
1	25.250	121.250	29.89	31.97	31.97
1	25.333	121.333	25.49	27.27	27.27
1	25.417	121.417	21.71	23.24	23.24
1	25.500	121.500	18.27	19.66	19.66
1	25.583	121.583	15.34	16.53	16.53
1	25.667	121.667	12.84	13.86	13.86
1	25.750	121.750	10.72	11.58	11.58
1	25.833	121.833	8.99	9.69	9.69
1	25.917	121.917	7.61	8.17	8.17
1	26.000	122.000	6.33	6.85	6.85
1	26.083	122.083	5.25	5.69	5.69
1	26.167	122.167	4.71	4.93	4.93
1	26.250	122.250	4.43	4.54	4.54
1	26.333	122.333	4.15	4.26	4.26
1	26.417	122.417	3.91	4.01	4.01

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  1   26.500 122.500         3.68        3.77        3.77
  1   26.583 122.583         3.45        3.54        3.54
  1   26.667 122.667         3.22        3.32        3.32
  1   26.750 122.750         3.00        3.09        3.09
  1   26.833 122.833         2.78        2.87        2.87
  1   26.917 122.917         2.55        2.64        2.64
  1   27.000 123.000         2.33        2.42        2.42
  1   27.083 123.083         2.11        2.20        2.20
  1   27.167 123.167         1.90        1.99        1.99
  1   27.250 123.250         1.68        1.77        1.77
  1   27.333 123.333         1.47        1.55        1.55
  1   27.417 123.417         1.25        1.34        1.34
  1   27.500 123.500         1.04        1.13        1.13
  1   27.583 123.583         0.83        0.92        0.92
  1   27.667 123.667         0.63        0.71        0.71
  1   27.750 123.750         0.44        0.52        0.52
  1   27.833 123.833         0.25        0.33        0.33
  1   27.917 123.917         0.08        0.15        0.15
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   2117.106 AF
    OUTFLOW VOLUME =   2117.107 AF
    LOSS    VOLUME =      0.000 AF
================================================================================



********************************************************************************
  FLOW PROCESS FROM NODE   6320.00 TO NODE   6330.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   300.7 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     300.700 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.290 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
         +------------------+--------+--------+--------+--------+--------+
         | RAINFALL DEPTHS & |        |        |        |        |        |
         |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
         |==================+========+========+========+========+========|
         | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
         |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
         |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
         |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
         |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
         |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
         |==================+========+========+========+========+========|
         | LOSS RATE(IN/HR)  |   0.240|   0.240|   0.240|   0.240|   0.240|
         | LOW LOSS FRACTION |   0.430|   0.670|   0.900|   0.990|   0.990|
         +------------------+--------+--------+--------+--------+--------+
           5-MINUTE FACTOR = 0.987
          30-MINUTE FACTOR = 0.987
           1-HOUR FACTOR = 0.987
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  28.736


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                3.181               115.682
         2               14.148               398.807
         3               32.649               672.813
         4               49.391               608.859
         5               59.445               365.623
         6               65.754               229.414
         7               70.572               175.227
         8               74.508               143.109
         9               77.679               115.331
        10               80.307                95.584
        11               82.561                81.961
        12               84.486                69.998
        13               86.124                59.571
        14               87.475                49.137
        15               88.623                41.748
        16               89.558                33.981
        17               90.435                31.907
        18               91.248                29.581
        19               92.036                28.658
        20               92.761                26.336
        21               93.465                25.630
        22               94.104                23.223
        23               94.697                21.573
        24               95.280                21.195
        25               95.767                17.699
        26               96.231                16.876
        27               96.695                16.868
        28               97.112                15.192
        29               97.431                11.595
        30               97.741                11.275
        31               98.051                11.279
        32               98.361                11.271
        33               98.547                 6.740
        34               98.632                 3.085
        35               98.716                 3.070
        36               98.801                 3.077
        37               98.885                 3.077
        38               98.970                 3.077
        39               99.054                 3.077
        40               99.139                 3.077
        41               99.224                 3.085
        42               99.308                 3.070
        43               99.393                 3.070
```

44	99.477	3.070
45	99.562	3.070
46	99.646	3.070
47	99.730	3.070
48	99.815	3.070
49	99.899	3.070
50	99.984	3.070
51	100.000	0.594

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 150.1466
TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 139.5311

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	175.0	350.0	525.0	700.0
96.000	37.7332	4.73	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	37.7682	5.09	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	37.8124	6.41	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	37.8721	8.68	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	37.9461	10.74	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	38.0287	11.99	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	38.1168	12.79	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	38.2091	13.41	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	38.3050	13.93	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	38.4039	14.35	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	38.5052	14.71	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	38.6087	15.03	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	38.7141	15.31	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	38.8213	15.56	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	38.9299	15.77	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	39.0398	15.96	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	39.1508	16.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	39.2630	16.28	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	39.3762	16.44	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	39.4904	16.59	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	39.6056	16.73	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	39.7218	16.87	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	39.8390	17.01	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	39.9570	17.14	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	40.0760	17.27	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	40.1957	17.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	40.3163	17.51	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	40.4377	17.63	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	40.5599	17.74	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	40.6829	17.85	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	40.8065	17.95	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	40.9308	18.06	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	41.0559	18.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	41.1816	18.25	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	41.3079	18.33	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	41.4347	18.41	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	41.5620	18.49	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	41.6899	18.57	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	41.8184	18.66	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	41.9475	18.74	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	42.0771	18.82	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	42.2074	18.91	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	42.3382	18.99	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	42.4696	19.08	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	42.6016	19.17	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	42.7342	19.26	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	42.8675	19.35	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	43.0013	19.44	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	43.1358	19.53	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	43.2709	19.62	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	43.4067	19.71	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	43.5431	19.80	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	43.6800	19.88	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	43.8175	19.97	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	43.9556	20.06	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	44.0944	20.14	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	44.2337	20.23	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	44.3737	20.32	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	44.5142	20.41	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	44.6554	20.50	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	44.7973	20.60	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	44.9398	20.69	.Q	. V	.	.	.

(PEAK DAY 1, HOUR 5.083)
101.167 45.0829 20.78 .Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 45.2267 20.88 .Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 45.3712 20.98 .Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 45.5163 21.08 .Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 45.6622 21.18 .Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 45.8087 21.28 .Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 45.9559 21.38 .Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 46.1039 21.48 .Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 46.2525 21.59 .Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 46.4019 21.69 .Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 46.5520 21.80 .Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 46.7029 21.91 .Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 46.8546 22.02 .Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 47.0070 22.13 .Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 47.1602 22.24 .Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 47.3141 22.36 .Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 47.4689 22.47 .Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 47.6245 22.59 .Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 47.7809 22.71 .Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 47.9381 22.83 .Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 48.0962 22.95 .Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 48.2552 23.08 .Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 48.4150 23.20 .Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 48.5757 23.33 .Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 48.7373 23.46 .Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 48.8998 23.59 .Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 49.0632 23.73 .Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 49.2275 23.86 .Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 49.3928 24.00 .Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 49.5591 24.14 .Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 49.7263 24.28 .Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 49.8946 24.43 .Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 50.0638 24.57 .Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 50.2341 24.72 .Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 50.4054 24.87 .Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 50.5777 25.03 .Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 50.7512 25.18 .Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 50.9257 25.34 .Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 51.1013 25.50 .Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 51.2781 25.67 .Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 51.4560 25.83 .Q . V . . .
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104.583 51.6351 26.00 .Q . V . . .
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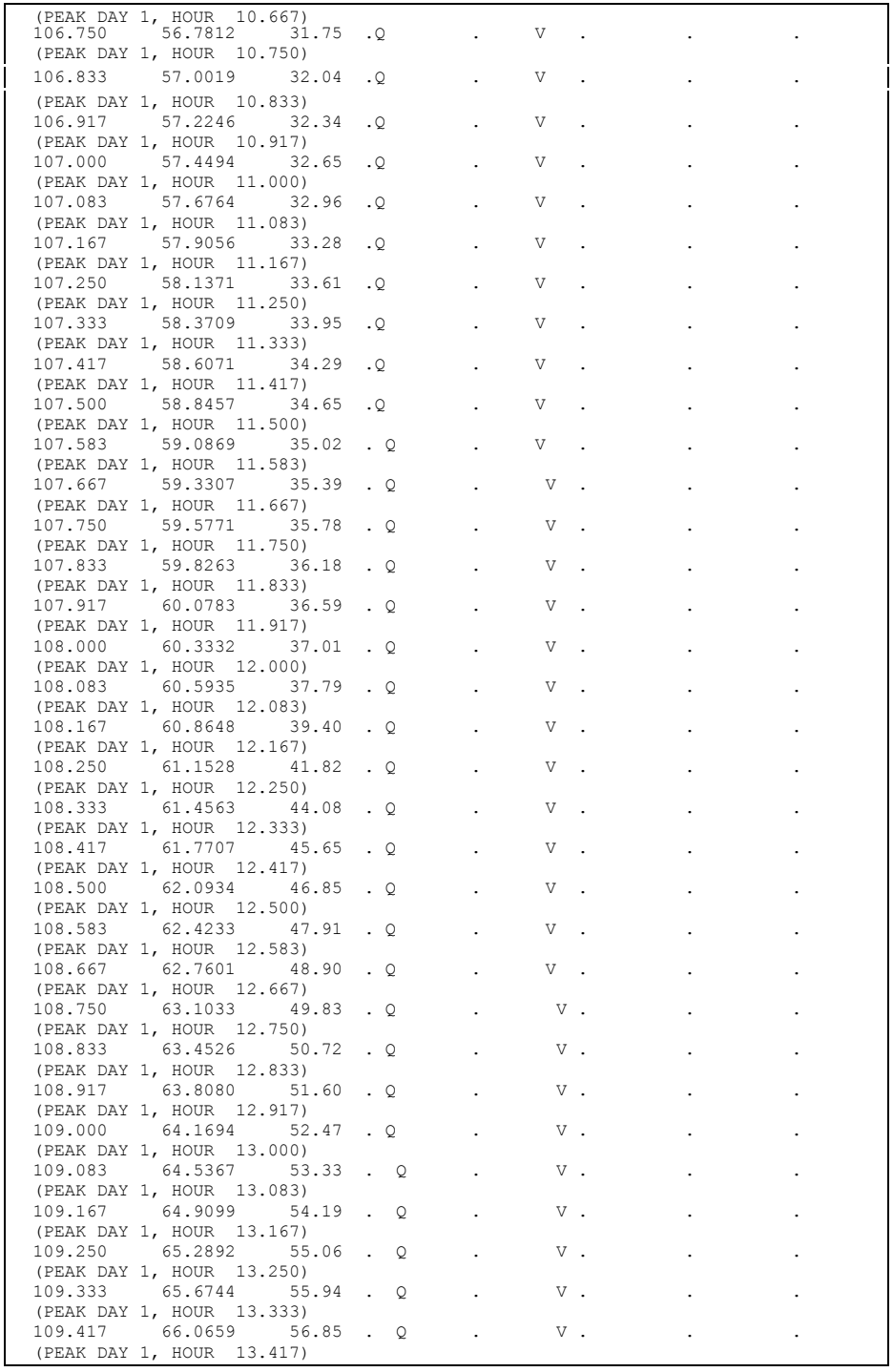
104.667 51.8154 26.17 .Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 51.9968 26.35 .Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 52.1795 26.53 .Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 52.3635 26.71 .Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 52.5487 26.90 .Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 52.7353 27.08 .Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 52.9231 27.28 .Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 53.1123 27.47 .Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 53.3029 27.67 .Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 53.4948 27.87 .Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 53.6882 28.08 .Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 53.8830 28.29 .Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 54.0794 28.51 .Q . V . . .
(PEAK DAY 1, HOUR 9.667)
105.750 54.2772 28.72 .Q . V . . .
(PEAK DAY 1, HOUR 9.750)
105.833 54.4766 28.95 .Q . V . . .
(PEAK DAY 1, HOUR 9.833)
105.917 54.6775 29.18 .Q . V . . .
(PEAK DAY 1, HOUR 9.917)
106.000 54.8800 29.41 .Q . V . . .
(PEAK DAY 1, HOUR 10.000)
106.083 55.0842 29.65 .Q . V . . .
(PEAK DAY 1, HOUR 10.083)
106.167 55.2901 29.89 .Q . V . . .
(PEAK DAY 1, HOUR 10.167)
106.250 55.4977 30.14 .Q . V . . .
(PEAK DAY 1, HOUR 10.250)
106.333 55.7070 30.39 .Q . V . . .
(PEAK DAY 1, HOUR 10.333)
106.417 55.9181 30.65 .Q . V . . .
(PEAK DAY 1, HOUR 10.417)
106.500 56.1310 30.92 .Q . V . . .
(PEAK DAY 1, HOUR 10.500)
106.583 56.3458 31.19 .Q . V . . .
(PEAK DAY 1, HOUR 10.583)
106.667 56.5625 31.47 .Q . V . . .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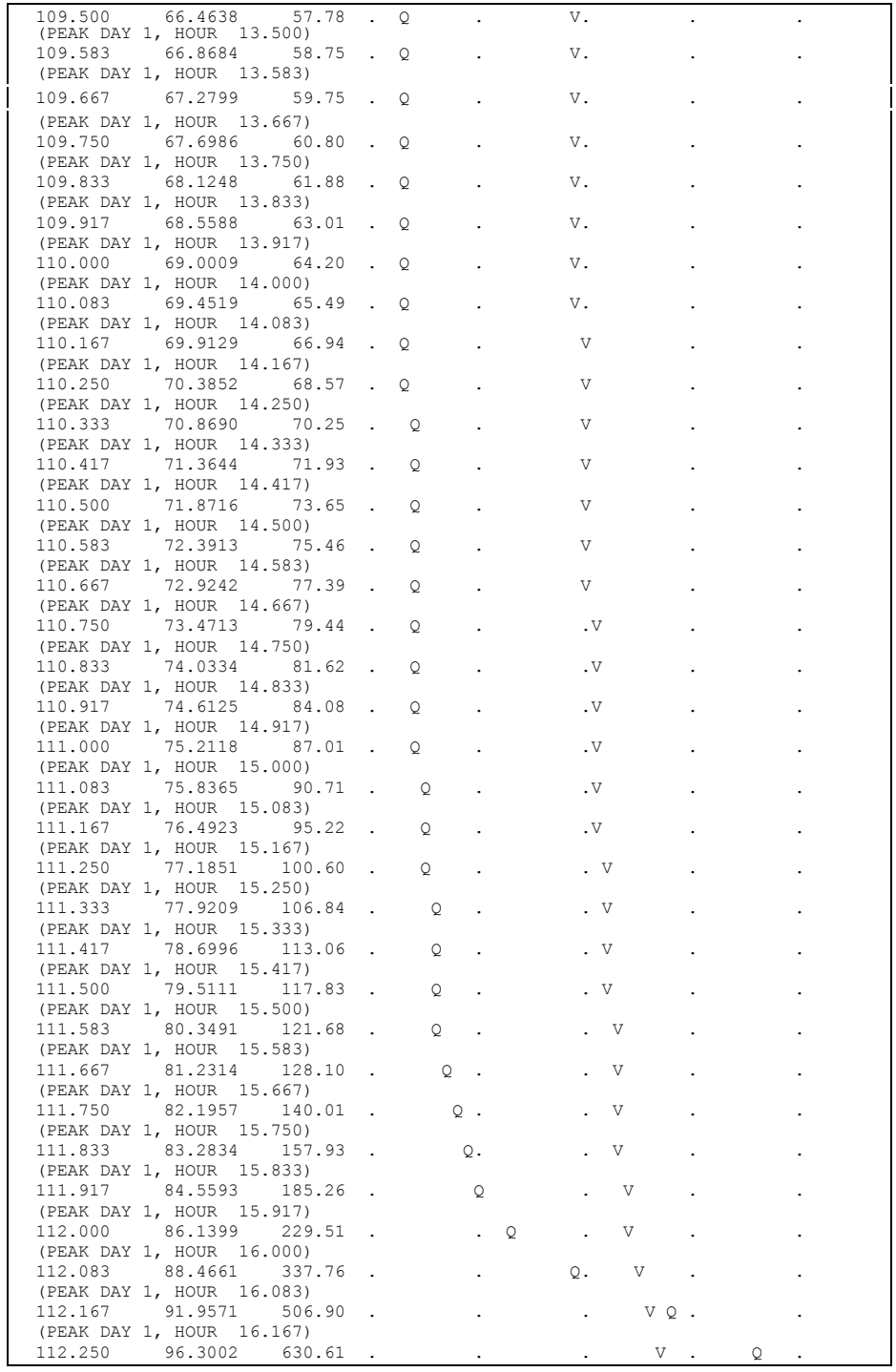
106.750 56.7812 31.75 .Q . V . . .
(PEAK DAY 1, HOUR 10.750)
106.833 57.0019 32.04 .Q . V . . .
(PEAK DAY 1, HOUR 10.833)
106.917 57.2246 32.34 .Q . V . . .
(PEAK DAY 1, HOUR 10.917)
107.000 57.4494 32.65 .Q . V . . .
(PEAK DAY 1, HOUR 11.000)
107.083 57.6764 32.96 .Q . V . . .
(PEAK DAY 1, HOUR 11.083)
107.167 57.9056 33.28 .Q . V . . .
(PEAK DAY 1, HOUR 11.167)
107.250 58.1371 33.61 .Q . V . . .
(PEAK DAY 1, HOUR 11.250)
107.333 58.3709 33.95 .Q . V . . .
(PEAK DAY 1, HOUR 11.333)
107.417 58.6071 34.29 .Q . V . . .
(PEAK DAY 1, HOUR 11.417)
107.500 58.8457 34.65 .Q . V . . .
(PEAK DAY 1, HOUR 11.500)
107.583 59.0869 35.02 . Q . V . . .
(PEAK DAY 1, HOUR 11.583)
107.667 59.3307 35.39 . Q . V . . .
(PEAK DAY 1, HOUR 11.667)
107.750 59.5771 35.78 . Q . V . . .
(PEAK DAY 1, HOUR 11.750)
107.833 59.8263 36.18 . Q . V . . .
(PEAK DAY 1, HOUR 11.833)
107.917 60.0783 36.59 . Q . V . . .
(PEAK DAY 1, HOUR 11.917)
108.000 60.3332 37.01 . Q . V . . .
(PEAK DAY 1, HOUR 12.000)
108.083 60.5935 37.79 . Q . V . . .
(PEAK DAY 1, HOUR 12.083)
108.167 60.8648 39.40 . Q . V . . .
(PEAK DAY 1, HOUR 12.167)
108.250 61.1528 41.82 . Q . V . . .
(PEAK DAY 1, HOUR 12.250)
108.333 61.4563 44.08 . Q . V . . .
(PEAK DAY 1, HOUR 12.333)
108.417 61.7707 45.65 . Q . V . . .
(PEAK DAY 1, HOUR 12.417)
108.500 62.0934 46.85 . Q . V . . .
(PEAK DAY 1, HOUR 12.500)
108.583 62.4233 47.91 . Q . V . . .
(PEAK DAY 1, HOUR 12.583)
108.667 62.7601 48.90 . Q . V . . .
(PEAK DAY 1, HOUR 12.667)
108.750 63.1033 49.83 . Q . V . . .
(PEAK DAY 1, HOUR 12.750)
108.833 63.4526 50.72 . Q . V . . .
(PEAK DAY 1, HOUR 12.833)
108.917 63.8080 51.60 . Q . V . . .
(PEAK DAY 1, HOUR 12.917)
109.000 64.1694 52.47 . Q . V . . .
(PEAK DAY 1, HOUR 13.000)
109.083 64.5367 53.33 . Q . V . . .
(PEAK DAY 1, HOUR 13.083)
109.167 64.9099 54.19 . Q . V . . .
(PEAK DAY 1, HOUR 13.167)
109.250 65.2892 55.06 . Q . V . . .
(PEAK DAY 1, HOUR 13.250)
109.333 65.6744 55.94 . Q . V . . .
(PEAK DAY 1, HOUR 13.333)
109.417 66.0659 56.85 . Q . V . . .
(PEAK DAY 1, HOUR 13.417)


109.500 66.4638 57.78 . Q . V. . .
(PEAK DAY 1, HOUR 13.500)
109.583 66.8684 58.75 . Q . V. . .
(PEAK DAY 1, HOUR 13.583)
109.667 67.2799 59.75 . Q . V. . .
(PEAK DAY 1, HOUR 13.667)
109.750 67.6986 60.80 . Q . V. . .
(PEAK DAY 1, HOUR 13.750)
109.833 68.1248 61.88 . Q . V. . .
(PEAK DAY 1, HOUR 13.833)
109.917 68.5588 63.01 . Q . V. . .
(PEAK DAY 1, HOUR 13.917)
110.000 69.0009 64.20 . Q . V. . .
(PEAK DAY 1, HOUR 14.000)
110.083 69.4519 65.49 . Q . V. . .
(PEAK DAY 1, HOUR 14.083)
110.167 69.9129 66.94 . Q . V . .
(PEAK DAY 1, HOUR 14.167)
110.250 70.3852 68.57 . Q . V . .
(PEAK DAY 1, HOUR 14.250)
110.333 70.8690 70.25 . Q . V . .
(PEAK DAY 1, HOUR 14.333)
110.417 71.3644 71.93 . Q . V . .
(PEAK DAY 1, HOUR 14.417)
110.500 71.8716 73.65 . Q . V . .
(PEAK DAY 1, HOUR 14.500)
110.583 72.3913 75.46 . Q . V . .
(PEAK DAY 1, HOUR 14.583)
110.667 72.9242 77.39 . Q . V . .
(PEAK DAY 1, HOUR 14.667)
110.750 73.4713 79.44 . Q . .V . .
(PEAK DAY 1, HOUR 14.750)
110.833 74.0334 81.62 . Q . .V . .
(PEAK DAY 1, HOUR 14.833)
110.917 74.6125 84.08 . Q . .V . .
(PEAK DAY 1, HOUR 14.917)
111.000 75.2118 87.01 . Q . .V . .
(PEAK DAY 1, HOUR 15.000)
111.083 75.8365 90.71 . Q . .V . .
(PEAK DAY 1, HOUR 15.083)
111.167 76.4923 95.22 . Q . .V . .
(PEAK DAY 1, HOUR 15.167)
111.250 77.1851 100.60 . Q . . V . .
(PEAK DAY 1, HOUR 15.250)
111.333 77.9209 106.84 . Q . . V . .
(PEAK DAY 1, HOUR 15.333)
111.417 78.6996 113.06 . Q . . V . .
(PEAK DAY 1, HOUR 15.417)
111.500 79.5111 117.83 . Q . . V . .
(PEAK DAY 1, HOUR 15.500)
111.583 80.3491 121.68 . Q . . V . .
(PEAK DAY 1, HOUR 15.583)
111.667 81.2314 128.10 . Q . . V . .
(PEAK DAY 1, HOUR 15.667)
111.750 82.1957 140.01 . Q . . V . .
(PEAK DAY 1, HOUR 15.750)
111.833 83.2834 157.93 . Q. . V . .
(PEAK DAY 1, HOUR 15.833)
111.917 84.5593 185.26 . Q . V . .
(PEAK DAY 1, HOUR 15.917)
112.000 86.1399 229.51 . . Q . V . .
(PEAK DAY 1, HOUR 16.000)
112.083 88.4661 337.76 . . Q. V . .
(PEAK DAY 1, HOUR 16.083)
112.167 91.9571 506.90 . . . V Q . .
(PEAK DAY 1, HOUR 16.167)
112.250 96.3002 630.61 . . . V . Q .

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 (PEAK DAY 1, HOUR  16.250)
112.333    100.2459    572.92  .         .         .       V . Q       .
 (PEAK DAY 1, HOUR  16.333)
112.417    103.1874    427.11  .         .         .   Q    V.         .
 (PEAK DAY 1, HOUR  16.417)
112.500    105.4805    332.96  .         .        Q.         V         .
 (PEAK DAY 1, HOUR  16.500)
112.583    107.4393    284.42  .         .     Q   .         V         .
 (PEAK DAY 1, HOUR  16.583)
112.667    109.1666    250.80  .         .   Q     .         .V        .
 (PEAK DAY 1, HOUR  16.667)
112.750    110.6897    221.16  .         . Q       .         .V        .
 (PEAK DAY 1, HOUR  16.750)
112.833    112.0484    197.28  .         .Q        .         . V       .
 (PEAK DAY 1, HOUR  16.833)
112.917    113.2786    178.63  .         Q         .         . V       .
 (PEAK DAY 1, HOUR  16.917)
113.000    114.3999    162.81  .        Q.         .         . V       .
 (PEAK DAY 1, HOUR  17.000)
113.083    115.4265    149.07  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  17.083)
113.167    116.3665    136.48  .      Q  .         .         .  V      .
 (PEAK DAY 1, HOUR  17.167)
113.250    117.2360    126.24  .      Q  .         .         .  V      .
 (PEAK DAY 1, HOUR  17.250)
113.333    118.0425    117.11  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  17.333)
113.417    118.8097    111.40  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  17.417)
113.500    119.5417    106.29  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  17.500)
113.583    120.2453    102.15  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.583)
113.667    120.9185     97.75  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.667)
113.750    121.5674     94.22  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.750)
113.833    122.1886     90.20  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  17.833)
113.917    122.7854     86.66  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.917)
114.000    123.3617     83.68  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.000)
114.083    123.9081     79.33  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.083)
114.167    124.4278     75.48  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.167)
114.250    124.9180     71.17  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.250)
114.333    125.3749     66.35  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  18.333)
114.417    125.7995     61.64  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.417)
114.500    126.2051     58.90  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.500)
114.583    126.5940     56.47  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.583)
114.667    126.9651     53.89  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.667)
114.750    127.3064     49.55  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.750)
114.833    127.6234     46.02  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.833)
114.917    127.9294     44.44  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.917)
115.000    128.2266     43.15  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  19.000)
115.083    128.5158     41.99  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  19.083)
115.167    128.7977     40.93  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  19.167)
115.250    129.0729     39.96  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.250)
115.333    129.3420     39.07  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.333)
115.417    129.6053     38.24  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.417)
115.500    129.8631     37.43  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.500)
115.583    130.1157     36.68  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.583)
115.667    130.3634     35.96  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.667)
115.750    130.6062     35.25  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.750)
115.833    130.8441     34.56  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.833)
115.917    131.0773     33.85  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.917)
116.000    131.3054     33.13  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.000)
116.083    131.5281     32.33  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.083)
116.167    131.7443     31.40  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.167)
116.250    131.9476     29.51  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.250)
116.333    132.1442     28.55  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.333)
116.417    132.3369     27.98  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.417)
116.500    132.5261     27.48  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.500)
116.583    132.7121     27.00  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.583)
116.667    132.8950     26.56  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.667)
116.750    133.0751     26.15  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.750)
116.833    133.2526     25.78  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.833)
116.917    133.4277     25.42  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.917)
117.000    133.6004     25.08  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.000)
117.083    133.7708     24.75  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.083)
117.167    133.9391     24.43  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.167)
117.250    134.1053     24.13  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.250)
117.333    134.2694     23.83  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.333)
117.417    134.4316     23.55  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.417)
117.500    134.5918     23.27  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.500)
117.583    134.7503     23.00  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.583)
117.667    134.9069     22.74  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.667)
117.750    135.0618     22.49  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.750)
117.833    135.2150     22.25  .Q        .         .         .       V .
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(PEAK DAY 1, HOUR 21.833)
117.917 135.3666 22.01 .Q . . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 135.5165 21.77 .Q . . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 135.6649 21.55 .Q . . . V .
(PEAK DAY 1, HOUR 22.083)
118.167 135.8118 21.33 .Q . . . V .
(PEAK DAY 1, HOUR 22.167)
118.250 135.9573 21.12 .Q . . . V .
(PEAK DAY 1, HOUR 22.250)
118.333 136.1014 20.92 .Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 136.2441 20.73 .Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 136.3856 20.54 .Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 136.5257 20.35 .Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 136.6646 20.17 .Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 136.8023 19.99 .Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 136.9388 19.82 .Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 137.0741 19.65 .Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 137.2083 19.48 .Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 137.3414 19.32 .Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 137.4734 19.16 .Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 137.6043 19.01 .Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 137.7341 18.86 .Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 137.8630 18.71 .Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 137.9908 18.56 .Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 138.1177 18.42 .Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 138.2436 18.28 .Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 138.3686 18.15 .Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 138.4927 18.01 .Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 138.6158 17.88 .Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 138.7381 17.75 .Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 138.8558 17.09 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 138.9599 15.13 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 139.0420 11.91 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 139.1041 9.02 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 139.1541 7.26 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 139.1965 6.15 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 139.2330 5.30 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 139.2646 4.60 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 139.2924 4.03 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 139.3169 3.56 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 139.3386 3.15 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 139.3580 2.81 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 139.3753 2.51 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 139.3909 2.27 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 139.4051 2.06 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 139.4180 1.89 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 139.4299 1.72 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 139.4408 1.58 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 139.4506 1.43 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 139.4596 1.30 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 139.4676 1.17 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 139.4749 1.06 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 139.4814 0.95 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 139.4873 0.84 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 139.4925 0.76 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 139.4971 0.67 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 139.5012 0.59 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 139.5047 0.52 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 139.5079 0.46 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 139.5107 0.40 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 139.5130 0.35 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 139.5151 0.29 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 139.5168 0.26 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 139.5185 0.24 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 139.5201 0.23 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 139.5216 0.21 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 139.5229 0.20 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 139.5242 0.18 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 139.5253 0.17 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 139.5264 0.15 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 139.5273 0.13 Q . . . V.

```
 (PEAK DAY 1, HOUR  27.417)
 123.500    139.5281      0.12  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583    139.5288      0.10  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667    139.5294      0.09  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750    139.5300      0.08  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833    139.5304      0.06  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917    139.5307      0.05  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.917)
 124.000    139.5309      0.03  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  28.000)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  5341.3 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  5341.3 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
         (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)    Q(CFS) 0.      700.0    1400.0    2100.0    2800.0
--------------------------------------------------------------------------------
  96.000    594.4378     66.18  Q          V          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    594.8962     66.57  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    595.3781     69.97  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    595.9117     77.48  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    596.5131     87.31  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    597.1913     98.48  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    597.9774    114.15  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    598.9259    137.72  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    600.0450    162.50  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    601.2834    179.81  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    602.5992    191.04  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    603.9745    199.69  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    605.3989    206.83  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    606.8652    212.90  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    608.3680    218.21  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    609.9031    222.89  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    611.4665    227.01  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    613.0552    230.68  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    614.6671    234.05  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    616.3002    237.13  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    617.9525    239.90  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    619.6219    242.40  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    621.3068    244.64  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    623.0053    246.63  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    624.7167    248.49  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    626.4401    250.24  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    628.1736    251.71  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    629.9155    252.92  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    631.6652    254.05  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    633.4225    255.17  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    635.1875    256.28  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    636.9602    257.40  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    638.7407    258.52  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    640.5289    259.65  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    642.3248    260.77  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    644.1285    261.90  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    645.9401    263.04  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    647.7597    264.20  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    649.5873    265.37  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    651.4230    266.54  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    653.2668    267.73  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    655.1190    268.93  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    656.9795    270.14  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    658.8484    271.37  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    660.7258    272.60  .  Q       .V         .          .          .
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(PEAK DAY 1, HOUR   3.667)
 99.750    662.6117    273.84  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   3.750)
 99.833    664.5062    275.09  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   3.833)
 99.917    666.4094    276.34  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   3.917)
100.000    668.3209    277.55  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.000)
100.083    670.2405    278.73  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.083)
100.167    672.1681    279.89  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.167)
100.250    674.1037    281.05  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.250)
100.333    676.0474    282.22  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.333)
100.417    677.9993    283.41  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   4.417)
100.500    679.9594    284.61  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   4.500)
100.583    681.9279    285.82  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   4.583)
100.667    683.9048    287.05  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   4.667)
100.750    685.8903    288.29  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   4.750)
100.833    687.8845    289.55  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   4.833)
100.917    689.8873    290.82  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   4.917)
101.000    691.8990    292.10  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.000)
101.083    693.9197    293.40  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.083)
101.167    695.9494    294.71  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.167)
101.250    697.9883    296.04  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.250)
101.333    700.0364    297.39  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.333)
101.417    702.0939    298.75  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.417)
101.500    704.1608    300.13  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.500)
101.583    706.2374    301.52  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.583)
101.667    708.3237    302.93  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.667)
101.750    710.4199    304.36  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.750)
101.833    712.5259    305.80  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.833)
101.917    714.6421    307.27  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.917)
102.000    716.7685    308.75  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.000)
102.083    718.9052    310.25  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.083)
102.167    721.0524    311.77  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.167)
102.250    723.2101    313.31  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.250)
102.333    725.3787    314.87  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.333)
102.417    727.5580    316.45  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.417)
102.500    729.7485    318.05  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.500)
102.583    731.9501    319.67  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.583)
102.667    734.1630    321.32  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   6.667)
102.750    736.3875    322.98  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   6.750)
102.833    738.6235    324.67  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   6.833)
102.917    740.8713    326.39  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   6.917)
103.000    743.1312    328.12  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.000)
103.083    745.4031    329.88  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.083)
103.167    747.6873    331.67  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.167)
103.250    749.9840    333.48  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.250)
103.333    752.2933    335.32  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.333)
103.417    754.6155    337.18  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.417)
103.500    756.9507    339.07  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.500)
103.583    759.2991    340.99  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.583)
103.667    761.6609    342.94  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.667)
103.750    764.0363    344.91  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.750)
103.833    766.4255    346.92  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.833)
103.917    768.8288    348.96  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.917)
104.000    771.2463    351.03  .    Q    .  V     .        .        .
(PEAK DAY 1, HOUR   8.000)
104.083    773.6783    353.13  .    Q    .  V     .        .        .
(PEAK DAY 1, HOUR   8.083)
104.167    776.1251    355.26  .    Q    .  V     .        .        .
(PEAK DAY 1, HOUR   8.167)
104.250    778.5867    357.43  .    Q    .  V     .        .        .
(PEAK DAY 1, HOUR   8.250)
104.333    781.0635    359.63  .    Q    .  V     .        .        .
(PEAK DAY 1, HOUR   8.333)
104.417    783.5558    361.87  .    Q    .  V     .        .        .
(PEAK DAY 1, HOUR   8.417)
104.500    786.0637    364.15  .    Q    .  V     .        .        .
(PEAK DAY 1, HOUR   8.500)
104.583    788.5875    366.46  .    Q    .  V     .        .        .
(PEAK DAY 1, HOUR   8.583)
104.667    791.1275    368.81  .    Q    .   V    .        .        .
(PEAK DAY 1, HOUR   8.667)
104.750    793.6840    371.21  .    Q    .   V    .        .        .
(PEAK DAY 1, HOUR   8.750)
104.833    796.2573    373.64  .    Q    .   V    .        .        .
(PEAK DAY 1, HOUR   8.833)
104.917    798.8475    376.11  .    Q    .   V    .        .        .
(PEAK DAY 1, HOUR   8.917)
105.000    801.4552    378.63  .    Q    .   V    .        .        .
(PEAK DAY 1, HOUR   9.000)
105.083    804.0805    381.19  .    Q    .   V    .        .        .
(PEAK DAY 1, HOUR   9.083)
105.167    806.7238    383.80  .    Q    .   V    .        .        .
(PEAK DAY 1, HOUR   9.167)
105.250    809.3853    386.46  .    Q    .   V    .        .        .
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 (PEAK DAY 1, HOUR   9.250)
105.333    812.0655    389.16  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
105.417    814.7646    391.92  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500    817.4831    394.72  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    820.2213    397.58  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    822.9795    400.49  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    825.7582    403.46  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    828.5577    406.49  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    831.3785    409.58  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    834.2209    412.73  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    837.0856    415.94  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    839.9728    419.22  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    842.8831    422.57  .     Q   .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    845.8169    426.00  .     Q   .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    848.7748    429.49  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    851.7573    433.06  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    854.7650    436.71  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    857.7983    440.44  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    860.8578    444.25  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    863.9443    448.15  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    867.0583    452.15  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    870.2004    456.23  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    873.3713    460.42  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    876.5717    464.70  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    879.8024    469.10  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    883.0641    473.60  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    886.3577    478.22  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    889.6838    482.96  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    893.0435    487.82  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    896.4376    492.82  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    899.8669    497.95  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    903.3326    503.22  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    906.8357    508.64  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    910.3771    514.22  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    913.9633    520.71  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    917.6140    530.07  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    921.3561    543.36  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    925.2064    559.07  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    929.1765    576.45  .       Q .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    933.2983    598.49  .       Q .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    937.6263    628.43  .       Q .     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    942.1697    659.71  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    946.8797    683.89  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    951.7167    702.34  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    956.6652    718.52  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    961.7167    733.47  .         Q      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    966.8661    747.70  .         Q      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    972.1103    761.45  .         Q      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    977.4415    774.08  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    982.8459    784.72  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    988.3187    794.66  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    993.8739    806.61  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    999.5319    821.55  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667   1005.3113    839.17  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750   1011.2258    858.78  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833   1017.2747    878.29  .         . Q     V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917   1023.4425    895.57  .         . Q     V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000   1029.7218    911.76  .         .  Q    V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083   1036.1257    929.86  .         .  Q    V .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167   1042.6774    951.30  .         .  Q    V .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250   1049.3936    975.20  .         .  Q    V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333   1056.2823   1000.25  .         .   Q   V .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417   1063.3590   1027.54  .         .   Q   V .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500   1070.6454   1057.98  .         .    Q  V .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583   1078.1587   1090.93  .         .    Q   V.         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667   1085.9242   1127.55  .         .     Q  V.         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750   1093.9729   1168.67  .         .     Q  V.         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833   1102.3136   1211.07  .         .      Q V.         .         .
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 (PEAK DAY 1, HOUR  14.833)
110.917   1110.9320   1251.40  .         .      Q V.         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1119.8210   1290.69  .         .       QV.         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1128.9924   1331.69  .         .        QV         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1138.4592   1374.57  .         .        QV         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1148.2307   1418.82  .         .         Q         .         .
 (PEAK DAY 1, HOUR  15.250)
111.333   1158.3193   1464.87  .         .         Q         .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1168.7180   1509.88  .         .        VQ         .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1179.3739   1547.23  .         .        V Q        .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1190.2379   1577.46  .         .        .VQ        .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1201.3318   1610.84  .         .        .V Q       .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1212.7295   1654.95  .         .        .V Q       .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1224.5115   1710.75  .         .        .V  Q      .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1236.7866   1782.35  .         .        .V   Q     .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1249.7677   1884.85  .         .        . V   Q    .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1264.2679   2105.44  .         .        . V       Q         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1281.2903   2471.65  .         .        . V       .    Q    .
 (PEAK DAY 1, HOUR  16.167)
112.250   1300.3246   2763.77  .         .        .  V      .        Q.
 (PEAK DAY 1, HOUR  16.250)
112.333   1318.9952   2710.98  .         .        .  V      .       Q .
 (PEAK DAY 1, HOUR  16.333)
112.417   1335.9812   2466.36  .         .        .  V      .    Q    .
 (PEAK DAY 1, HOUR  16.417)
112.500   1351.9701   2321.59  .         .        .  V      .  Q      .
 (PEAK DAY 1, HOUR  16.500)
112.583   1367.7091   2285.31  .         .        .   V     . Q       .
 (PEAK DAY 1, HOUR  16.583)
112.667   1383.3705   2274.04  .         .        .   V     . Q       .
 (PEAK DAY 1, HOUR  16.667)
112.750   1398.8861   2252.87  .         .        .   V     . Q       .
 (PEAK DAY 1, HOUR  16.750)
112.833   1414.2262   2227.38  .         .        .    V    .Q        .
 (PEAK DAY 1, HOUR  16.833)
112.917   1429.4158   2205.52  .         .        .    V    .Q        .
 (PEAK DAY 1, HOUR  16.917)
113.000   1444.4758   2186.71  .         .        .    V    .Q        .
 (PEAK DAY 1, HOUR  17.000)
113.083   1459.4330   2171.78  .         .        .    V    .Q        .
 (PEAK DAY 1, HOUR  17.083)
113.167   1474.3040   2159.26  .         .        .     V   Q         .
 (PEAK DAY 1, HOUR  17.167)
113.250   1489.1152   2150.59  .         .        .     V   Q         .
 (PEAK DAY 1, HOUR  17.250)
113.333   1503.8767   2143.37  .         .        .     V   Q         .
 (PEAK DAY 1, HOUR  17.333)
113.417   1518.6067   2138.79  .         .        .     V   Q         .
 (PEAK DAY 1, HOUR  17.417)
113.500   1533.3010   2133.61  .         .        .      V  Q         .
 (PEAK DAY 1, HOUR  17.500)
113.583   1547.9552   2127.79  .         .        .      V  Q         .
 (PEAK DAY 1, HOUR  17.583)
113.667   1562.5555   2119.98  .         .        .      V  Q         .
 (PEAK DAY 1, HOUR  17.667)
113.750   1577.0996   2111.80  .         .        .      V  Q         .
 (PEAK DAY 1, HOUR  17.750)
113.833   1591.5726   2101.49  .         .        .       V Q         .
 (PEAK DAY 1, HOUR  17.833)
113.917   1605.9741   2091.10  .         .        .       VQ.         .
 (PEAK DAY 1, HOUR  17.917)
114.000   1620.3040   2080.70  .         .        .       VQ.         .
 (PEAK DAY 1, HOUR  18.000)
114.083   1634.5394   2066.98  .         .        .       VQ.         .
 (PEAK DAY 1, HOUR  18.083)
114.167   1648.6764   2052.69  .         .        .        Q.         .
 (PEAK DAY 1, HOUR  18.167)
114.250   1662.7067   2037.20  .         .        .        Q.         .
 (PEAK DAY 1, HOUR  18.250)
114.333   1676.6215   2020.42  .         .        .       QV.         .
 (PEAK DAY 1, HOUR  18.333)
114.417   1690.4119   2002.38  .         .        .       QV.         .
 (PEAK DAY 1, HOUR  18.417)
114.500   1704.0988   1987.33  .         .        .       Q V         .
 (PEAK DAY 1, HOUR  18.500)
114.583   1717.6960   1974.32  .         .        .       Q V         .
 (PEAK DAY 1, HOUR  18.583)
114.667   1731.2063   1961.69  .         .        .       Q V         .
 (PEAK DAY 1, HOUR  18.667)
114.750   1744.6176   1947.32  .         .        .      Q  V         .
 (PEAK DAY 1, HOUR  18.750)
114.833   1757.9351   1933.70  .         .        .      Q  .V        .
 (PEAK DAY 1, HOUR  18.833)
114.917   1771.1720   1922.00  .         .        .      Q  .V        .
 (PEAK DAY 1, HOUR  18.917)
115.000   1784.3312   1910.72  .         .        .      Q  .V        .
 (PEAK DAY 1, HOUR  19.000)
115.083   1797.4153   1899.81  .         .        .      Q  .V        .
 (PEAK DAY 1, HOUR  19.083)
115.167   1810.4260   1889.16  .         .        .     Q   . V       .
 (PEAK DAY 1, HOUR  19.167)
115.250   1823.3644   1878.64  .         .        .     Q   . V       .
 (PEAK DAY 1, HOUR  19.250)
115.333   1836.2291   1867.96  .         .        .     Q   . V       .
 (PEAK DAY 1, HOUR  19.333)
115.417   1849.0111   1855.95  .         .        .     Q   . V       .
 (PEAK DAY 1, HOUR  19.417)
115.500   1861.6893   1840.88  .         .        .     Q   . V       .
 (PEAK DAY 1, HOUR  19.500)
115.583   1874.2441   1822.96  .         .        .     Q   .  V      .
 (PEAK DAY 1, HOUR  19.583)
115.667   1886.6648   1803.48  .         .        .    Q    .  V      .
 (PEAK DAY 1, HOUR  19.667)
115.750   1898.9514   1784.01  .         .        .    Q    .  V      .
 (PEAK DAY 1, HOUR  19.750)
115.833   1911.1079   1765.13  .         .        .    Q    .  V      .
 (PEAK DAY 1, HOUR  19.833)
115.917   1923.1348   1746.30  .         .        .   Q     .   V     .
 (PEAK DAY 1, HOUR  19.917)
116.000   1935.0304   1727.25  .         .        .   Q     .   V     .
 (PEAK DAY 1, HOUR  20.000)
116.083   1946.7937   1708.04  .         .        .   Q     .   V     .
 (PEAK DAY 1, HOUR  20.083)
116.167   1958.4241   1688.73  .         .        .   Q     .   V     .
 (PEAK DAY 1, HOUR  20.167)
116.250   1969.9142   1668.36  .         .        .  Q      .   V     .
 (PEAK DAY 1, HOUR  20.250)
116.333   1981.2676   1648.52  .         .        .  Q      .    V    .
 (PEAK DAY 1, HOUR  20.333)
116.417   1992.4847   1628.73  .         .        .  Q      .    V    .
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(PEAK DAY 1, HOUR 20.417)
116.500 2003.5663 1609.04 . . . Q . V .
(PEAK DAY 1, HOUR 20.500)
116.583 2014.5133 1589.52 . . . Q . V .
(PEAK DAY 1, HOUR 20.583)
116.667 2025.3259 1569.99 . . . Q . V .
(PEAK DAY 1, HOUR 20.667)
116.750 2036.0023 1550.21 . . . Q . V .
(PEAK DAY 1, HOUR 20.750)
116.833 2046.5410 1530.23 . . .Q . V .
(PEAK DAY 1, HOUR 20.833)
116.917 2056.9426 1510.33 . . .Q . V .
(PEAK DAY 1, HOUR 20.917)
117.000 2067.2085 1490.60 . . .Q . V .
(PEAK DAY 1, HOUR 21.000)
117.083 2077.3359 1470.51 . . .Q . V .
(PEAK DAY 1, HOUR 21.083)
117.167 2087.3159 1449.09 . . Q . V .
(PEAK DAY 1, HOUR 21.167)
117.250 2097.1392 1426.32 . . Q . V .
(PEAK DAY 1, HOUR 21.250)
117.333 2106.8037 1403.30 . . Q . V .
(PEAK DAY 1, HOUR 21.333)
117.417 2116.3074 1379.92 . . Q. . V .
(PEAK DAY 1, HOUR 21.417)
117.500 2125.6265 1353.12 . . Q. . V .
(PEAK DAY 1, HOUR 21.500)
117.583 2134.7158 1319.77 . . Q . . V .
(PEAK DAY 1, HOUR 21.583)
117.667 2143.5413 1281.45 . . Q . . V .
(PEAK DAY 1, HOUR 21.667)
117.750 2152.0896 1241.21 . . Q . . V .
(PEAK DAY 1, HOUR 21.750)
117.833 2160.3540 1199.99 . . Q . . V .
(PEAK DAY 1, HOUR 21.833)
117.917 2168.3291 1158.00 . . Q . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 2175.9951 1113.12 . . Q . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 2183.3171 1063.14 . . Q . . V .
(PEAK DAY 1, HOUR 22.083)
118.167 2190.2551 1007.38 . . Q . . V .
(PEAK DAY 1, HOUR 22.167)
118.250 2196.5879 919.50 . . Q . . V .
(PEAK DAY 1, HOUR 22.250)
118.333 2201.6133 729.68 . Q . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 2204.8174 465.25 . Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 2207.0049 317.64 . Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 2209.0647 299.08 . Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 2211.0920 294.38 . Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 2213.1021 291.86 . Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 2215.0933 289.11 . Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 2217.0679 286.71 . Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 2219.0251 284.18 . Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 2220.9661 281.83 . Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 2222.8906 279.46 . Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 2224.7996 277.18 . Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 2226.6929 274.92 . Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 2228.5713 272.73 . Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 2230.4348 270.58 . Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 2232.2837 268.47 . Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 2234.1184 266.41 . Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 2235.9392 264.38 . Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 2237.7463 262.40 . Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 2239.5400 260.46 . Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 2241.3206 258.55 . Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 2243.0803 255.52 . Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 2244.7917 248.50 . Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 2246.4175 236.07 . Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 2247.9377 220.73 . Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 2249.3413 203.81 . Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 2250.5886 181.11 . Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 2251.6089 148.13 . Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 2252.3938 113.96 .Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 2253.0156 90.27 .Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 2253.5325 75.06 .Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 2253.9700 63.52 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 2254.3430 54.18 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 2254.6626 46.39 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 2254.9363 39.73 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 2255.1707 34.03 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 2255.3716 29.16 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 2255.5435 24.97 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 2255.6897 21.24 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 2255.8135 17.96 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 2255.9180 15.16 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 2256.0059 12.76 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 2256.0798 10.75 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 2256.1426 9.12 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 2256.1956 7.69 Q . . . V.

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 (PEAK DAY 1, HOUR  26.000)
 122.083   2256.2400      6.44  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.083)
 122.167   2256.2786      5.61  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.167)
 122.250   2256.3140      5.13  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.250)
 122.333   2256.3469      4.78  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.333)
 122.417   2256.3777      4.47  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.417)
 122.500   2256.4065      4.18  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.500)
 122.583   2256.4333      3.89  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.583)
 122.667   2256.4583      3.61  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.667)
 122.750   2256.4814      3.35  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.750)
 122.833   2256.5029      3.11  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.833)
 122.917   2256.5227      2.87  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.917)
 123.000   2256.5408      2.64  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.000)
 123.083   2256.5574      2.40  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.083)
 123.167   2256.5723      2.17  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.167)
 123.250   2256.5857      1.93  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.250)
 123.333   2256.5974      1.70  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.333)
 123.417   2256.6077      1.47  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.417)
 123.500   2256.6162      1.25  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583   2256.6233      1.02  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667   2256.6289      0.80  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750   2256.6331      0.59  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833   2256.6357      0.39  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917   2256.6372      0.20  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.917)
 124.000   2256.6377      0.06  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6355.00 IS CODE = 5.2
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  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5341.3 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     375.00
           DOWNSTREAM ELEVATION(FT) =     314.00
           CHANNEL LENGTH(FT) =    6086.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  2763.77
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  1874.16
           CHANNEL NORMAL VELOCITY FOR Q =  1874.16 CFS =   9.75 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.852

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.742


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	66.18	67.23	67.23
1	0.083	96.083	66.57	66.73	66.73
1	0.167	96.167	69.97	66.39	66.39
1	0.250	96.250	77.48	67.10	67.10
1	0.333	96.333	87.31	70.50	70.50
1	0.417	96.417	98.48	77.35	77.35
1	0.500	96.500	114.15	86.63	86.63
1	0.583	96.583	137.72	98.08	98.08
1	0.667	96.667	162.50	114.00	114.00
1	0.750	96.750	179.81	135.80	135.80
1	0.833	96.833	191.04	158.54	158.54
1	0.917	96.917	199.69	176.23	176.23
1	1.000	97.000	206.83	188.68	188.68
1	1.083	97.083	212.90	198.06	198.06
1	1.167	97.167	218.21	205.59	205.59
1	1.250	97.250	222.89	211.91	211.91
1	1.333	97.333	227.01	217.38	217.38
1	1.417	97.417	230.68	222.17	222.17
1	1.500	97.500	234.05	226.38	226.38
1	1.583	97.583	237.13	230.14	230.14
1	1.667	97.667	239.90	233.56	233.56
1	1.750	97.750	242.40	236.68	236.68
1	1.833	97.833	244.64	239.49	239.49
1	1.917	97.917	246.63	242.03	242.03
1	2.000	98.000	248.49	244.31	244.31
1	2.083	98.083	250.24	246.35	246.35
1	2.167	98.167	251.71	248.24	248.24
1	2.250	98.250	252.92	249.97	249.97
1	2.333	98.333	254.05	251.47	251.47
1	2.417	98.417	255.17	252.74	252.74
1	2.500	98.500	256.28	253.90	253.90
1	2.583	98.583	257.40	255.03	255.03
1	2.667	98.667	258.52	256.14	256.14
1	2.750	98.750	259.65	257.26	257.26
1	2.833	98.833	260.77	258.39	258.39
1	2.917	98.917	261.90	259.51	259.51
1	3.000	99.000	263.04	260.64	260.64
1	3.083	99.083	264.20	261.77	261.77
1	3.167	99.167	265.37	262.91	262.91
1	3.250	99.250	266.54	264.06	264.06

1	3.333	99.333	267.73	265.23	265.23
1	3.417	99.417	268.93	266.40	266.40
1	3.500	99.500	270.14	267.59	267.59
1	3.583	99.583	271.37	268.79	268.79
1	3.667	99.667	272.60	270.00	270.00
1	3.750	99.750	273.84	271.22	271.22
1	3.833	99.833	275.09	272.45	272.45
1	3.917	99.917	276.34	273.69	273.69
1	4.000	100.000	277.55	274.94	274.94
1	4.083	100.083	278.73	276.18	276.18
1	4.167	100.167	279.89	277.40	277.40
1	4.250	100.250	281.05	278.58	278.58
1	4.333	100.333	282.22	279.75	279.75
1	4.417	100.417	283.41	280.91	280.91
1	4.500	100.500	284.61	282.09	282.09
1	4.583	100.583	285.82	283.27	283.27
1	4.667	100.667	287.05	284.47	284.47
1	4.750	100.750	288.29	285.68	285.68
1	4.833	100.833	289.55	286.91	286.91
1	4.917	100.917	290.82	288.15	288.15
1	5.000	101.000	292.10	289.40	289.40
1	5.083	101.083	293.40	290.67	290.67
1	5.167	101.167	294.71	291.95	291.95
1	5.250	101.250	296.04	293.25	293.25
1	5.333	101.333	297.39	294.56	294.56
1	5.417	101.417	298.75	295.89	295.89
1	5.500	101.500	300.13	297.23	297.23
1	5.583	101.583	301.52	298.59	298.59
1	5.667	101.667	302.93	299.97	299.97
1	5.750	101.750	304.36	301.36	301.36
1	5.833	101.833	305.80	302.77	302.77
1	5.917	101.917	307.27	304.19	304.19
1	6.000	102.000	308.75	305.64	305.64
1	6.083	102.083	310.25	307.10	307.10
1	6.167	102.167	311.77	308.58	308.58
1	6.250	102.250	313.31	310.08	310.08
1	6.333	102.333	314.87	311.59	311.59
1	6.417	102.417	316.45	313.13	313.13
1	6.500	102.500	318.05	314.69	314.69
1	6.583	102.583	319.67	316.27	316.27
1	6.667	102.667	321.32	317.87	317.87
1	6.750	102.750	322.98	319.49	319.49
1	6.833	102.833	324.67	321.13	321.13
1	6.917	102.917	326.39	322.79	322.79
1	7.000	103.000	328.12	324.48	324.48
1	7.083	103.083	329.88	326.19	326.19
1	7.167	103.167	331.67	327.92	327.92
1	7.250	103.250	333.48	329.68	329.68
1	7.333	103.333	335.32	331.46	331.46
1	7.417	103.417	337.18	333.27	333.27
1	7.500	103.500	339.07	335.10	335.10
1	7.583	103.583	340.99	336.96	336.96
1	7.667	103.667	342.94	338.85	338.85
1	7.750	103.750	344.91	340.77	340.77
1	7.833	103.833	346.92	342.71	342.71
1	7.917	103.917	348.96	344.68	344.68
1	8.000	104.000	351.03	346.69	346.69
1	8.083	104.083	353.13	348.72	348.72
1	8.167	104.167	355.26	350.79	350.79
1	8.250	104.250	357.43	352.88	352.88
1	8.333	104.333	359.63	355.02	355.02
1	8.417	104.417	361.87	357.18	357.18
1	8.500	104.500	364.15	359.38	359.38
1	8.583	104.583	366.46	361.61	361.61
1	8.667	104.667	368.81	363.89	363.89
1	8.750	104.750	371.21	366.19	366.19
1	8.833	104.833	373.64	368.54	368.54
1	8.917	104.917	376.11	370.93	370.93
1	9.000	105.000	378.63	373.36	373.36
1	9.083	105.083	381.19	375.83	375.83
1	9.167	105.167	383.80	378.34	378.34
1	9.250	105.250	386.46	380.90	380.90
1	9.333	105.333	389.16	383.50	383.50
1	9.417	105.417	391.92	386.15	386.15
1	9.500	105.500	394.72	388.85	388.85
1	9.583	105.583	397.58	391.60	391.60
1	9.667	105.667	400.49	394.40	394.40
1	9.750	105.750	403.46	397.25	397.25
1	9.833	105.833	406.49	400.16	400.16
1	9.917	105.917	409.58	403.12	403.12
1	10.000	106.000	412.73	406.14	406.14
1	10.083	106.083	415.94	409.23	409.23
1	10.167	106.167	419.22	412.37	412.37
1	10.250	106.250	422.57	415.58	415.58
1	10.333	106.333	426.00	418.85	418.85
1	10.417	106.417	429.49	422.19	422.19
1	10.500	106.500	433.06	425.61	425.61
1	10.583	106.583	436.71	429.09	429.09
1	10.667	106.667	440.44	432.66	432.66
1	10.750	106.750	444.25	436.30	436.30
1	10.833	106.833	448.15	440.02	440.02
1	10.917	106.917	452.15	443.82	443.82
1	11.000	107.000	456.23	447.71	447.71
1	11.083	107.083	460.42	451.69	451.69
1	11.167	107.167	464.70	455.77	455.77
1	11.250	107.250	469.10	459.94	459.94
1	11.333	107.333	473.60	464.22	464.22
1	11.417	107.417	478.22	468.60	468.60
1	11.500	107.500	482.96	473.09	473.09
1	11.583	107.583	487.82	477.70	477.70
1	11.667	107.667	492.82	482.43	482.43
1	11.750	107.750	497.95	487.28	487.28
1	11.833	107.833	503.22	492.25	492.25
1	11.917	107.917	508.64	497.37	497.37
1	12.000	108.000	514.22	502.63	502.63
1	12.083	108.083	520.71	508.03	508.03
1	12.167	108.167	530.07	513.72	513.72
1	12.250	108.250	543.36	520.50	520.50
1	12.333	108.333	559.07	529.85	529.85
1	12.417	108.417	576.45	542.54	542.54
1	12.500	108.500	598.49	557.75	557.75
1	12.583	108.583	628.43	575.36	575.36
1	12.667	108.667	659.71	597.60	597.60
1	12.750	108.750	683.89	625.77	625.77
1	12.833	108.833	702.34	655.05	655.05
1	12.917	108.917	718.52	679.57	679.57
1	13.000	109.000	733.47	699.20	699.20
1	13.083	109.083	747.70	716.07	716.07
1	13.167	109.167	761.45	731.39	731.39
1	13.250	109.250	774.08	745.82	745.82
1	13.333	109.333	784.72	759.56	759.56
1	13.417	109.417	794.66	772.14	772.14
1	13.500	109.500	806.61	783.16	783.16
1	13.583	109.583	821.55	793.72	793.72
1	13.667	109.667	839.17	805.82	805.82
1	13.750	109.750	858.78	820.48	820.48
1	13.833	109.833	878.29	837.67	837.67
1	13.917	109.917	895.57	856.64	856.64
1	14.000	110.000	911.76	875.63	875.63
1	14.083	110.083	929.86	893.17	893.17
1	14.167	110.167	951.30	910.03	910.03
1	14.250	110.250	975.20	928.37	928.37
1	14.333	110.333	1000.25	949.43	949.43
1	14.417	110.417	1027.54	972.79	972.79

1	14.500	110.500	1057.98	997.79	997.79
1	14.583	110.583	1090.93	1025.02	1025.02
1	14.667	110.667	1127.55	1055.06	1055.06
1	14.750	110.750	1168.67	1087.88	1087.88
1	14.833	110.833	1211.07	1124.28	1124.28
1	14.917	110.917	1251.40	1164.40	1164.40
1	15.000	111.000	1290.69	1205.86	1205.86
1	15.083	111.083	1331.69	1246.30	1246.30
1	15.167	111.167	1374.57	1286.18	1286.18
1	15.250	111.250	1418.82	1327.21	1327.21
1	15.333	111.333	1464.87	1369.85	1369.85
1	15.417	111.417	1509.88	1413.99	1413.99
1	15.500	111.500	1547.23	1459.37	1459.37
1	15.583	111.583	1577.46	1503.17	1503.17
1	15.667	111.667	1610.84	1540.98	1540.98
1	15.750	111.750	1654.95	1573.70	1573.70
1	15.833	111.833	1710.75	1608.73	1608.73
1	15.917	111.917	1782.35	1652.48	1652.48
1	16.000	112.000	1884.85	1707.85	1707.85
1	16.083	112.083	2105.44	1780.50	1780.50
1	16.167	112.167	2471.65	1895.33	1895.33
1	16.250	112.250	2763.77	2113.31	2113.31
1	16.333	112.333	2710.98	2428.67	2428.67
1	16.417	112.417	2466.36	2668.28	2668.28
1	16.500	112.500	2321.59	2658.46	2658.46
1	16.583	112.583	2285.31	2491.41	2491.41
1	16.667	112.667	2274.04	2359.29	2359.29
1	16.750	112.750	2252.87	2302.50	2302.50
1	16.833	112.833	2227.38	2277.79	2277.79
1	16.917	112.917	2205.52	2254.98	2254.98
1	17.000	113.000	2186.71	2230.80	2230.80
1	17.083	113.083	2171.78	2208.86	2208.86
1	17.167	113.167	2159.26	2189.90	2189.90
1	17.250	113.250	2150.59	2174.33	2174.33
1	17.333	113.333	2143.37	2161.68	2161.68
1	17.417	113.417	2138.79	2152.23	2152.23
1	17.500	113.500	2133.61	2144.88	2144.88
1	17.583	113.583	2127.79	2139.49	2139.49
1	17.667	113.667	2119.98	2134.14	2134.14
1	17.750	113.750	2111.80	2128.10	2128.10
1	17.833	113.833	2101.49	2120.69	2120.69
1	17.917	113.917	2091.10	2112.34	2112.34
1	18.000	114.000	2080.70	2102.53	2102.53
1	18.083	114.083	2066.98	2092.29	2092.29
1	18.167	114.167	2052.69	2081.36	2081.36
1	18.250	114.250	2037.20	2068.27	2068.27
1	18.333	114.333	2020.42	2054.08	2054.08
1	18.417	114.417	2002.38	2038.71	2038.71
1	18.500	114.500	1987.33	2022.08	2022.08
1	18.583	114.583	1974.32	2004.91	2004.91
1	18.667	114.667	1961.69	1989.66	1989.66
1	18.750	114.750	1947.32	1976.14	1976.14
1	18.833	114.833	1933.70	1962.98	1962.98
1	18.917	114.917	1922.00	1949.06	1949.06
1	19.000	115.000	1910.72	1935.68	1935.68
1	19.083	115.083	1899.81	1923.62	1923.62
1	19.167	115.167	1889.16	1912.20	1912.20
1	19.250	115.250	1878.64	1901.20	1901.20
1	19.333	115.333	1867.96	1890.49	1890.49
1	19.417	115.417	1855.95	1879.89	1879.89
1	19.500	115.500	1840.88	1869.00	1869.00
1	19.583	115.583	1822.96	1856.76	1856.76
1	19.667	115.667	1803.48	1841.94	1841.94
1	19.750	115.750	1784.01	1824.56	1824.56
1	19.833	115.833	1765.13	1805.62	1805.62
1	19.917	115.917	1746.30	1786.39	1786.39
1	20.000	116.000	1727.25	1767.43	1767.43
1	20.083	116.083	1708.04	1748.53	1748.53
1	20.167	116.167	1688.73	1729.48	1729.48
1	20.250	116.250	1668.36	1710.30	1710.30
1	20.333	116.333	1648.52	1690.85	1690.85
1	20.417	116.417	1628.73	1670.80	1670.80
1	20.500	116.500	1609.04	1650.91	1650.91
1	20.583	116.583	1589.52	1631.12	1631.12
1	20.667	116.667	1569.99	1611.43	1611.43
1	20.750	116.750	1550.21	1591.86	1591.86
1	20.833	116.833	1530.23	1572.28	1572.28
1	20.917	116.917	1510.33	1552.52	1552.52
1	21.000	117.000	1490.60	1532.61	1532.61
1	21.083	117.083	1470.51	1512.73	1512.73
1	21.167	117.167	1449.09	1492.91	1492.91
1	21.250	117.250	1426.32	1472.66	1472.66
1	21.333	117.333	1403.30	1451.31	1451.31
1	21.417	117.417	1379.92	1428.87	1428.87
1	21.500	117.500	1353.12	1405.94	1405.94
1	21.583	117.583	1319.77	1382.09	1382.09
1	21.667	117.667	1281.45	1354.94	1354.94
1	21.750	117.750	1241.21	1322.35	1322.35
1	21.833	117.833	1199.99	1285.19	1285.19
1	21.917	117.917	1158.00	1245.58	1245.58
1	22.000	118.000	1113.12	1204.64	1204.64
1	22.083	118.083	1063.14	1162.43	1162.43
1	22.167	118.167	1007.38	1117.37	1117.37
1	22.250	118.250	919.50	1067.69	1067.69
1	22.333	118.333	729.68	1008.05	1008.05
1	22.417	118.417	465.25	910.17	910.17
1	22.500	118.500	317.64	731.43	731.43
1	22.583	118.583	299.08	508.94	508.94
1	22.667	118.667	294.38	363.89	363.89
1	22.750	118.750	291.86	315.02	315.02
1	22.833	118.833	289.11	299.29	299.29
1	22.917	118.917	286.71	293.31	293.31
1	23.000	119.000	284.18	289.79	289.79
1	23.083	119.083	281.83	287.07	287.07
1	23.167	119.167	279.46	284.53	284.53
1	23.250	119.250	277.18	282.13	282.13
1	23.333	119.333	274.92	279.76	279.76
1	23.417	119.417	272.73	277.46	277.46
1	23.500	119.500	270.58	275.21	275.21
1	23.583	119.583	268.47	273.01	273.01
1	23.667	119.667	266.41	270.85	270.85
1	23.750	119.750	264.38	268.74	268.74
1	23.833	119.833	262.40	266.66	266.66
1	23.917	119.917	260.46	264.64	264.64
1	24.000	120.000	258.55	262.65	262.65
1	24.083	120.083	255.52	260.70	260.70
1	24.167	120.167	248.50	258.59	258.59
1	24.250	120.250	236.07	255.12	255.12
1	24.333	120.333	220.73	248.10	248.10
1	24.417	120.417	203.81	236.57	236.57
1	24.500	120.500	181.11	221.95	221.95
1	24.583	120.583	148.13	204.64	204.64
1	24.667	120.667	113.96	181.59	181.59
1	24.750	120.750	90.27	150.97	150.97
1	24.833	120.833	75.06	119.50	119.50
1	24.917	120.917	63.52	95.24	95.24
1	25.000	121.000	54.18	78.32	78.32
1	25.083	121.083	46.39	65.76	65.76
1	25.167	121.167	39.73	55.85	55.85
1	25.250	121.250	34.03	47.70	47.70
1	25.333	121.333	29.16	40.82	40.82
1	25.417	121.417	24.97	34.96	34.96
1	25.500	121.500	21.24	29.95	29.95
1	25.583	121.583	17.96	25.62	25.62

1	25.667	121.667	15.16	21.81	21.81
1	25.750	121.750	12.76	18.48	18.48
1	25.833	121.833	10.75	15.61	15.61
1	25.917	121.917	9.12	13.15	13.15
1	26.000	122.000	7.69	11.09	11.09
1	26.083	122.083	6.44	9.39	9.39
1	26.167	122.167	5.61	7.92	7.92
1	26.250	122.250	5.13	6.68	6.68
1	26.333	122.333	4.78	5.80	5.80
1	26.417	122.417	4.47	5.25	5.25
1	26.500	122.500	4.18	4.84	4.84
1	26.583	122.583	3.89	4.51	4.51
1	26.667	122.667	3.61	4.22	4.22
1	26.750	122.750	3.35	3.93	3.93
1	26.833	122.833	3.11	3.65	3.65
1	26.917	122.917	2.87	3.39	3.39
1	27.000	123.000	2.64	3.14	3.14
1	27.083	123.083	2.40	2.90	2.90
1	27.167	123.167	2.17	2.66	2.66
1	27.250	123.250	1.93	2.43	2.43
1	27.333	123.333	1.70	2.19	2.19
1	27.417	123.417	1.47	1.96	1.96
1	27.500	123.500	1.25	1.73	1.73
1	27.583	123.583	1.02	1.50	1.50
1	27.667	123.667	0.80	1.28	1.28
1	27.750	123.750	0.59	1.05	1.05
1	27.833	123.833	0.39	0.83	0.83
1	27.917	123.917	0.20	0.62	0.62
1	28.000	124.000	0.06	0.42	0.42

Note: Computed Hydrograph continues past two days after the peak day of the design storm.

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PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 2256.638 AF
OUTFLOW VOLUME = 2256.636 AF
LOSS VOLUME = 0.000 AF

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FLOW PROCESS FROM NODE 6340.00 TO NODE 6355.00 IS CODE = 1

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 697.9 Ac. ***

>>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

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(UNIT-HYDROGRAPH ADDED TO STREAM #2)

WATERSHED AREA = 697.900 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.340 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED):
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.900
FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
VALLEY(UNDEVELOPED)/DESERT:
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:

LOSS RATES	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
5-MINUTE (INCHES)	0.58	0.27	0.12	0.06	0.04
30-MINUTE (INCHES)	1.22	0.56	0.24	0.13	0.09
1-HOUR (INCHES)	1.62	0.75	0.33	0.17	0.12
3-HOUR (INCHES)	2.71	1.25	0.54	0.28	0.21
6-HOUR (INCHES)	3.75	1.73	0.75	0.39	0.29
24-HOUR (INCHES)	6.28	2.89	1.26	0.66	0.48
LOSS RATE(IN/HR)	0.210	0.210	0.210	0.210	0.210
LOW LOSS FRACTION	0.450	0.690	0.900	0.980	0.990

5-MINUTE FACTOR = 0.969
30-MINUTE FACTOR = 0.969
1-HOUR FACTOR = 0.969
3-HOUR FACTOR = 0.995
6-HOUR FACTOR = 0.998
24-HOUR FACTOR = 0.999

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 24.510

RUNOFF HYDROGRAPH LISTING LIMITS:
MODEL TIME(HOURS) FOR BEGINNING OF RESULTS = 96.00
MODEL TIME(HOURS) FOR END OF RESULTS = 124.00

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UNIT HYDROGRAPH DETERMINATION

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	1.545	130.419
2	7.337	488.804
3	20.261	1090.852
4	37.173	1427.448
5	57.561	1720.753
6	73.834	1373.504
7	84.155	871.070
8	90.157	506.624
9	93.846	311.340
10	95.934	176.209
11	96.823	75.053
12	97.453	53.201
13	98.047	50.140
14	98.563	43.554
15	98.877	26.445
16	99.042	13.975
17	99.137	8.025
18	99.206	5.797
19	99.261	4.649
20	99.315	4.546
21	99.365	4.228
22	99.414	4.161
23	99.461	3.902
24	99.505	3.743
25	99.548	3.674
26	99.587	3.272
27	99.625	3.204
28	99.663	3.169
29	99.695	2.719
30	99.726	2.582
31	99.756	2.583
32	99.787	2.570

33	99.813	2.195
34	99.830	1.492
35	99.848	1.489
36	99.866	1.488
37	99.883	1.487
38	99.899	1.328
39	99.905	0.518
40	99.910	0.406
41	99.915	0.406
42	99.919	0.404
43	99.924	0.406
44	99.929	0.406
45	99.934	0.405
46	99.939	0.408
47	99.944	0.405
48	99.948	0.408
49	99.953	0.404
50	99.958	0.405
51	99.963	0.405
52	99.968	0.405
53	99.972	0.405
54	99.977	0.404
55	99.982	0.405
56	99.987	0.405
57	99.992	0.405
58	99.996	0.405
59	100.000	0.311

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 349.4661

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 322.3159

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	400.0	800.0	1200.0	1600.0
96.000	87.4798	10.14	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	87.5521	10.50	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	87.6352	12.06	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	87.7427	15.61	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	87.8825	20.31	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	88.0616	26.00	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	88.2723	30.59	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	88.5034	33.55	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	88.7466	35.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	88.9977	36.46	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	89.2536	37.16	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	89.5120	37.53	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	89.7725	37.82	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	90.0351	38.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	90.2995	38.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	90.5654	38.61	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	90.8325	38.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	91.1007	38.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	91.3700	39.10	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	91.6403	39.25	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	91.9117	39.41	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	92.1842	39.56	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	92.4577	39.71	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	92.7323	39.87	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	93.0079	40.03	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	93.2847	40.18	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	93.5625	40.34	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	93.8414	40.50	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	94.1214	40.66	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	94.4026	40.82	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	94.6848	40.98	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	94.9682	41.14	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	95.2526	41.31	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	95.5383	41.47	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	95.8250	41.63	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	96.1129	41.80	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	96.4019	41.97	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	96.6921	42.14	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	96.9835	42.31	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	97.2760	42.48	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	97.5697	42.65	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	97.8646	42.82	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	98.1607	42.99	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	98.4580	43.17	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	98.7566	43.35	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	99.0563	43.53	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	99.3573	43.71	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	99.6596	43.89	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	99.9632	44.08	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	100.2680	44.26	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	100.5742	44.45	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	100.8816	44.65	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	101.1905	44.84	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	101.5006	45.04	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	101.8121	45.23	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	102.1251	45.43	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	102.4394	45.64	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	102.7551	45.84	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	103.0722	46.05	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	103.3908	46.26	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	103.7108	46.47	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	104.0324	46.68	.Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
101.167    104.3554     46.90  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.167)
101.250    104.6799     47.12  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.250)
101.333    105.0059     47.34  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.333)
101.417    105.3335     47.56  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.417)
101.500    105.6626     47.79  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.500)
101.583    105.9933     48.02  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.583)
101.667    106.3257     48.25  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.667)
101.750    106.6596     48.49  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.750)
101.833    106.9952     48.73  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.833)
101.917    107.3325     48.97  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.917)
102.000    107.6714     49.21  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.000)
102.083    108.0120     49.46  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.083)
102.167    108.3544     49.71  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.167)
102.250    108.6985     49.97  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.250)
102.333    109.0444     50.23  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.333)
102.417    109.3922     50.49  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.417)
102.500    109.7417     50.75  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.500)
102.583    110.0931     51.02  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.583)
102.667    110.4463     51.29  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.667)
102.750    110.8015     51.57  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.750)
102.833    111.1586     51.85  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.833)
102.917    111.5177     52.14  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.917)
103.000    111.8787     52.42  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.000)
103.083    112.2418     52.72  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.083)
103.167    112.6068     53.01  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.167)
103.250    112.9740     53.31  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.250)
103.333    113.3433     53.62  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.333)
103.417    113.7147     53.93  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.417)
103.500    114.0882     54.24  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.500)
103.583    114.4640     54.56  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.583)
103.667    114.8420     54.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.667)
103.750    115.2223     55.22  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.750)
103.833    115.6049     55.55  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.833)
103.917    115.9898     55.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.917)
104.000    116.3771     56.24  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.000)
104.083    116.7669     56.59  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.083)
104.167    117.1590     56.94  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.167)
104.250    117.5537     57.31  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.250)
104.333    117.9509     57.68  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.333)
104.417    118.3508     58.05  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.417)
104.500    118.7532     58.43  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.500)
104.583    119.1583     58.82  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.583)
104.667    119.5661     59.22  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.667)
104.750    119.9767     59.62  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.750)
104.833    120.3901     60.03  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.833)
104.917    120.8064     60.45  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.917)
105.000    121.2256     60.87  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.000)
105.083    121.6478     61.30  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.083)
105.167    122.0730     61.74  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.167)
105.250    122.5013     62.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.250)
105.333    122.9327     62.64  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.333)
105.417    123.3674     63.11  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500    123.8053     63.58  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    124.2466     64.07  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    124.6912     64.56  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    125.1393     65.07  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    125.5910     65.58  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    126.0462     66.11  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    126.5052     66.64  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    126.9679     67.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    127.4345     67.74  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    127.9050     68.32  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    128.3795     68.90  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    128.8582     69.50  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    129.3410     70.11  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    129.8282     70.74  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    130.3197     71.37  .Q        .     V   .         .         .
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(PEAK DAY 1, HOUR  10.667)
106.750    130.8158     72.03  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.750)
106.833    131.3165     72.70  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    131.8219     73.39  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    132.3321     74.09  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    132.8474     74.81  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167    133.3677     75.55  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250    133.8932     76.31  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333    134.4241     77.09  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417    134.9606     77.90  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500    135.5027     78.71  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583    136.0507     79.56  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667    136.6046     80.43  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750    137.1647     81.33  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833    137.7311     82.24  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917    138.3041     83.20  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000    138.8838     84.17  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083    139.4731     85.56  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167    140.0790     87.98  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250    140.7138     92.17  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333    141.3842     97.34  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417    142.0964    103.42  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500    142.8440    108.54  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583    143.6175    112.31  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667    144.4101    115.08  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750    145.2184    117.37  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833    146.0400    119.30  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917    146.8734    121.02  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000    147.7185    122.71  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083    148.5758    124.48  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167    149.4454    126.26  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250    150.3275    128.09  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333    151.2224    129.93  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417    152.1305    131.86  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500    153.0522    133.83  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583    153.9883    135.93  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.583)
109.667    154.9393    138.08  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.667)
109.750    155.9060    140.37  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.750)
109.833    156.8890    142.73  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.833)
109.917    157.8894    145.25  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.917)
110.000    158.9077    147.86  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  14.000)
110.083    159.9461    150.77  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  14.083)
110.167    161.0074    154.10  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  14.167)
110.250    162.0967    158.17  .  Q      .        V          .         .
(PEAK DAY 1, HOUR  14.250)
110.333    163.2173    162.70  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.333)
110.417    164.3738    167.94  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.417)
110.500    165.5685    173.47  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.500)
110.583    166.8051    179.55  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.583)
110.667    168.0883    186.32  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.667)
110.750    169.4257    194.19  .   Q     .        .V         .         .
(PEAK DAY 1, HOUR  14.750)
110.833    170.8223    202.78  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  14.833)
110.917    172.2852    212.42  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  14.917)
111.000    173.8201    222.86  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  15.000)
111.083    175.4357    234.58  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  15.083)
111.167    177.1388    247.30  .     Q   .        .V         .         .
(PEAK DAY 1, HOUR  15.167)
111.250    178.9411    261.69  .     Q   .        . V        .         .
(PEAK DAY 1, HOUR  15.250)
111.333    180.8522    277.50  .     Q   .        . V        .         .
(PEAK DAY 1, HOUR  15.333)
111.417    182.8791    294.30  .      Q  .        . V        .         .
(PEAK DAY 1, HOUR  15.417)
111.500    185.0097    309.37  .      Q  .        . V        .         .
(PEAK DAY 1, HOUR  15.500)
111.583    187.2243    321.55  .       Q .        .  V       .         .
(PEAK DAY 1, HOUR  15.583)
111.667    189.5230    333.78  .       Q .        .  V       .         .
(PEAK DAY 1, HOUR  15.667)
111.750    191.9303    349.53  .       Q .        .  V       .         .
(PEAK DAY 1, HOUR  15.750)
111.833    194.5298    377.44  .        Q.        .   V      .         .
(PEAK DAY 1, HOUR  15.833)
111.917    197.4737    427.47  .         Q        .   V      .         .
(PEAK DAY 1, HOUR  15.917)
112.000    200.9750    508.38  .         . Q      .   V      .         .
(PEAK DAY 1, HOUR  16.000)
112.083    205.6728    682.13  .         .     Q  .    V     .         .
(PEAK DAY 1, HOUR  16.083)
112.167    212.3362    967.53  .         .        .   Q V    .         .
(PEAK DAY 1, HOUR  16.167)
112.250    221.4721   1326.53  .         .        .      V . Q       .
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 (PEAK DAY 1, HOUR  16.250)
112.333    231.8962   1513.58  .         .         .       V .      Q  .
 (PEAK DAY 1, HOUR  16.333)
112.417    242.8206   1586.22  .         .         .         V        Q.
 (PEAK DAY 1, HOUR  16.417)
112.500    251.9846   1330.62  .         .         .         .V Q      .
 (PEAK DAY 1, HOUR  16.500)
112.583    258.8450    996.13  .         .         .   Q     . V       .
 (PEAK DAY 1, HOUR  16.583)
112.667    263.9171    736.46  .         .       Q .         . V       .
 (PEAK DAY 1, HOUR  16.667)
112.750    267.8633    572.98  .         .   Q     .         .  V      .
 (PEAK DAY 1, HOUR  16.750)
112.833    270.9846    453.22  .         .Q        .         .  V      .
 (PEAK DAY 1, HOUR  16.833)
112.917    273.4837    362.87  .        Q.         .         .  V      .
 (PEAK DAY 1, HOUR  16.917)
113.000    275.6631    316.44  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  17.000)
113.083    277.6262    285.04  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  17.083)
113.167    279.3894    256.02  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  17.167)
113.250    280.9456    225.96  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.250)
113.333    282.3374    202.09  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  17.333)
113.417    283.6112    184.96  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.417)
113.500    284.8014    172.81  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.500)
113.583    285.9275    163.52  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.583)
113.667    287.0038    156.28  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.667)
113.750    288.0374    150.07  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.750)
113.833    289.0344    144.76  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.833)
113.917    289.9984    139.98  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.917)
114.000    290.9330    135.70  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.000)
114.083    291.8382    131.44  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.083)
114.167    292.7084    126.36  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.167)
114.250    293.5348    119.99  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.250)
114.333    294.3125    112.92  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.333)
114.417    295.0361    105.07  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.417)
114.500    295.7149     98.56  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.500)
114.583    296.3602     93.70  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.583)
114.667    296.9800     89.99  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.667)
114.750    297.5778     86.80  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.750)
114.833    298.1563     84.01  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  18.833)
114.917    298.7205     81.92  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  18.917)
115.000    299.2716     80.01  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.000)
115.083    299.8099     78.17  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.083)
115.167    300.3355     76.31  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.167)
115.250    300.8476     74.35  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.250)
115.333    301.3492     72.83  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.333)
115.417    301.8414     71.47  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.417)
115.500    302.3248     70.19  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.500)
115.583    302.7998     68.97  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.583)
115.667    303.2668     67.81  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.667)
115.750    303.7261     66.70  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.750)
115.833    304.1781     65.64  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.833)
115.917    304.6231     64.62  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.917)
116.000    305.0614     63.64  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.000)
116.083    305.4932     62.70  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.083)
116.167    305.9187     61.79  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.167)
116.250    306.3383     60.92  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.250)
116.333    306.7520     60.08  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.333)
116.417    307.1602     59.26  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.417)
116.500    307.5629     58.48  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.500)
116.583    307.9604     57.71  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.583)
116.667    308.3527     56.97  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.667)
116.750    308.7400     56.24  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.750)
116.833    309.1223     55.51  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.833)
116.917    309.4995     54.76  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.917)
117.000    309.8710     53.95  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.000)
117.083    310.2382     53.31  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.083)
117.167    310.6010     52.69  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.167)
117.250    310.9598     52.10  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.250)
117.333    311.3147     51.52  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.333)
117.417    311.6657     50.97  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.417)
117.500    312.0130     50.43  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.500)
117.583    312.3567     49.90  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.583)
117.667    312.6969     49.39  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.667)
117.750    313.0336     48.90  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.750)
117.833    313.3671     48.41  .Q        .         .         .       V .
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(PEAK DAY 1, HOUR 21.833)
117.917 313.6973 47.94 .Q . . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 314.0243 47.49 .Q . . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 314.3483 47.04 .Q . . . V.
(PEAK DAY 1, HOUR 22.083)
118.167 314.6692 46.60 .Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 314.9872 46.18 .Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 315.3024 45.76 .Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 315.6148 45.36 .Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 315.9244 44.96 .Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 316.2314 44.57 .Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 316.5357 44.19 .Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 316.8376 43.82 .Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 317.1369 43.46 .Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 317.4337 43.10 .Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 317.7282 42.76 .Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 318.0204 42.42 .Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 318.3102 42.09 .Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 318.5978 41.76 .Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 318.8832 41.44 .Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 319.1664 41.13 .Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 319.4476 40.82 .Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 319.7266 40.52 .Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 320.0037 40.22 .Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 320.2787 39.94 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 320.5518 39.65 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 320.8229 39.37 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 321.0922 39.10 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 321.3556 38.25 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 321.6022 35.81 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 321.8137 30.70 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 321.9799 24.13 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 322.0921 16.30 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 322.1615 10.07 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 322.2036 6.12 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 322.2299 3.82 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 322.2465 2.40 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 322.2575 1.60 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 322.2662 1.26 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 322.2732 1.01 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 322.2785 0.78 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 322.2825 0.58 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 322.2857 0.46 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 322.2884 0.39 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 322.2908 0.35 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 322.2931 0.33 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 322.2951 0.30 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 322.2971 0.28 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 322.2988 0.26 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 322.3005 0.24 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 322.3020 0.22 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 322.3033 0.20 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 322.3046 0.18 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 322.3058 0.17 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 322.3068 0.15 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 322.3077 0.14 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 322.3086 0.12 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 322.3094 0.11 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 322.3100 0.10 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 322.3106 0.09 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 322.3111 0.08 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 322.3116 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 322.3120 0.06 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 322.3124 0.05 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 322.3127 0.05 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 322.3130 0.04 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 322.3133 0.04 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 322.3135 0.04 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 322.3138 0.03 Q . . . V.

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 (PEAK DAY 1, HOUR  27.417)
 123.500    322.3140      0.03  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583    322.3142      0.03  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667    322.3144      0.03  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750    322.3145      0.03  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833    322.3147      0.02  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917    322.3148      0.02  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.917)
 124.000    322.3150      0.02  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  28.000)
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********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6039.2 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6039.2 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
         (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)    Q(CFS) 0.     1075.0    2150.0    3225.0    4300.0
--------------------------------------------------------------------------------
  96.000    680.9462     77.37  Q          V          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    681.4781     77.24  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    682.0183     78.44  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    682.5880     82.71  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    683.2134     90.81  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    683.9252    103.35  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    684.7325    117.22  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    685.6390    131.63  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    686.6674    149.32  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    687.8538    172.26  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    689.2015    195.70  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    690.6736    213.75  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    692.2336    226.51  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    693.8602    236.18  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    695.5405    243.98  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    697.2659    250.52  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    699.0301    256.17  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    700.8284    261.11  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    702.6567    265.48  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    704.5121    269.39  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    706.3920    272.97  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    708.2945    276.24  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    710.2174    279.21  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    712.1589    281.90  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    714.1171    284.33  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    716.0904    286.53  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    718.0778    288.58  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    720.0783    290.47  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    722.0902    292.12  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    724.1119    293.55  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    726.1428    294.88  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    728.1826    296.17  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    730.2311    297.45  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    732.2886    298.74  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    734.3549    300.02  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    736.4301    301.31  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    738.5141    302.60  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    740.6071    303.91  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    742.7092    305.22  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    744.8203    306.54  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    746.9407    307.87  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    749.0703    309.22  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    751.2094    310.58  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    753.3578    311.96  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    755.5159    313.35  . Q        .V         .          .          .
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(PEAK DAY 1, HOUR 3.667)
99.750 757.6835 314.75 . Q .V . . .
(PEAK DAY 1, HOUR 3.750)
99.833 759.8610 316.16 . Q .V . . .
(PEAK DAY 1, HOUR 3.833)
99.917 762.0482 317.58 . Q .V . . .
(PEAK DAY 1, HOUR 3.917)
100.000 764.2452 319.01 . Q .V . . .
(PEAK DAY 1, HOUR 4.000)
100.083 766.4521 320.45 . Q .V . . .
(PEAK DAY 1, HOUR 4.083)
100.167 768.6688 321.85 . Q .V . . .
(PEAK DAY 1, HOUR 4.167)
100.250 770.8948 323.23 . Q .V . . .
(PEAK DAY 1, HOUR 4.250)
100.333 773.1302 324.59 . Q .V . . .
(PEAK DAY 1, HOUR 4.333)
100.417 775.3751 325.95 . Q . V . . .
(PEAK DAY 1, HOUR 4.417)
100.500 777.6293 327.32 . Q . V . . .
(PEAK DAY 1, HOUR 4.500)
100.583 779.8932 328.71 . Q . V . . .
(PEAK DAY 1, HOUR 4.583)
100.667 782.1667 330.11 . Q . V . . .
(PEAK DAY 1, HOUR 4.667)
100.750 784.4500 331.53 . Q . V . . .
(PEAK DAY 1, HOUR 4.750)
100.833 786.7430 332.96 . Q . V . . .
(PEAK DAY 1, HOUR 4.833)
100.917 789.0461 334.41 . Q . V . . .
(PEAK DAY 1, HOUR 4.917)
101.000 791.3593 335.87 . Q . V . . .
(PEAK DAY 1, HOUR 5.000)
101.083 793.6827 337.35 . Q . V . . .
(PEAK DAY 1, HOUR 5.083)
101.167 796.0164 338.85 . Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 798.3605 340.37 . Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 800.7151 341.90 . Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 803.0805 343.45 . Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 805.4567 345.02 . Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 807.8438 346.61 . Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 810.2420 348.22 . Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 812.6514 349.85 . Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 815.0722 351.49 . Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 817.5045 353.16 . Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 819.9483 354.85 . Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 822.4039 356.56 . Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 824.8715 358.29 . Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 827.3512 360.05 . Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 829.8431 361.82 . Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 832.3474 363.62 . Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 834.8641 365.44 . Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 837.3937 367.29 . Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 839.9361 369.16 . Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 842.4916 371.06 . Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 845.0603 372.98 . Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 847.6425 374.93 . Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 850.2382 376.90 . Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 852.8477 378.90 . Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 855.4712 380.93 . Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 858.1089 382.99 . Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 860.7609 385.08 . Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 863.4276 387.20 . Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 866.1091 389.34 . Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 868.8055 391.53 . Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 871.5172 393.74 . Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 874.2444 395.98 . Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 876.9872 398.26 . Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 879.7460 400.58 . Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 882.5210 402.92 . Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 885.3124 405.31 . Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 888.1204 407.73 . Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 890.9454 410.19 . Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 893.7877 412.69 . Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 896.6474 415.23 . Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 899.5249 417.81 . Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 902.4205 420.44 . Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 905.3344 423.10 . Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 908.2670 425.82 . Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 911.2186 428.57 . Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 914.1895 431.38 . Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 917.1801 434.22 . Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 920.1906 437.13 . Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 923.2214 440.08 . Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 926.2730 443.09 . Q . V . . .

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(PEAK DAY 1, HOUR   9.250)
105.333    929.3456    446.14  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417    932.4398    449.26  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500    935.5557    452.43  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583    938.6939    455.67  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667    941.8548    458.96  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750    945.0388    462.32  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833    948.2464    465.74  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917    951.4780    469.23  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000    954.7341    472.78  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083    958.0153    476.42  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167    961.3218    480.11  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250    964.6545    483.90  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333    968.0136    487.75  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417    971.4000    491.69  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500    974.8140    495.71  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583    978.2563    499.83  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667    981.7276    504.03  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750    985.2285    508.33  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.750)
106.833    988.7595    512.71  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    992.3216    517.21  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    995.9152    521.80  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    999.5413    526.51  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167   1003.2006    531.32  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250   1006.8938    536.26  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333   1010.6218    541.31  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417   1014.3856    546.50  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500   1018.1859    551.80  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583   1022.0237    557.26  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667   1025.9001    562.85  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750   1029.8162    568.61  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833   1033.7727    574.50  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917   1037.7711    580.57  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000   1041.8124    586.80  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083   1045.9005    593.59  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167   1050.0444    601.70  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250   1054.2639    612.67  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333   1058.5835    627.20  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417   1063.0322    645.96  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500   1067.6210    666.29  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583   1072.3571    687.68  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667   1077.2653    712.68  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750   1082.3833    743.14  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833   1087.7162    774.34  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917   1093.2299    800.59  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000   1098.8904    821.91  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083   1104.6792    840.54  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167   1110.5859    857.65  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250   1116.6046    873.92  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333   1122.7306    889.49  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417   1128.9564    904.00  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500   1135.2717    916.99  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583   1141.6742    929.64  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  13.583)
109.667   1148.1748    943.89  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750   1154.7922    960.84  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833   1161.5443    980.40  .        Q.       V .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917   1168.4445   1001.89  .        Q.       V .         .         .
(PEAK DAY 1, HOUR  13.917)
110.000   1175.4933   1023.49  .        Q.       V .         .         .
(PEAK DAY 1, HOUR  14.000)
110.083   1182.6830   1043.94  .        Q.       V .         .         .
(PEAK DAY 1, HOUR  14.083)
110.167   1190.0117   1064.13  .        Q.       V .         .         .
(PEAK DAY 1, HOUR  14.167)
110.250   1197.4948   1086.55  .         Q       V .         .         .
(PEAK DAY 1, HOUR  14.250)
110.333   1205.1541   1112.14  .         Q       V .         .         .
(PEAK DAY 1, HOUR  14.333)
110.417   1213.0104   1140.73  .         Q       V .         .         .
(PEAK DAY 1, HOUR  14.417)
110.500   1221.0769   1171.25  .         Q       V .         .         .
(PEAK DAY 1, HOUR  14.500)
110.583   1229.3728   1204.57  .         .Q       V.         .         .
(PEAK DAY 1, HOUR  14.583)
110.667   1237.9222   1241.38  .         .Q       V.         .         .
(PEAK DAY 1, HOUR  14.667)
110.750   1246.7518   1282.06  .         .Q       V.         .         .
(PEAK DAY 1, HOUR  14.750)
110.833   1255.8914   1327.06  .         . Q      V.         .         .
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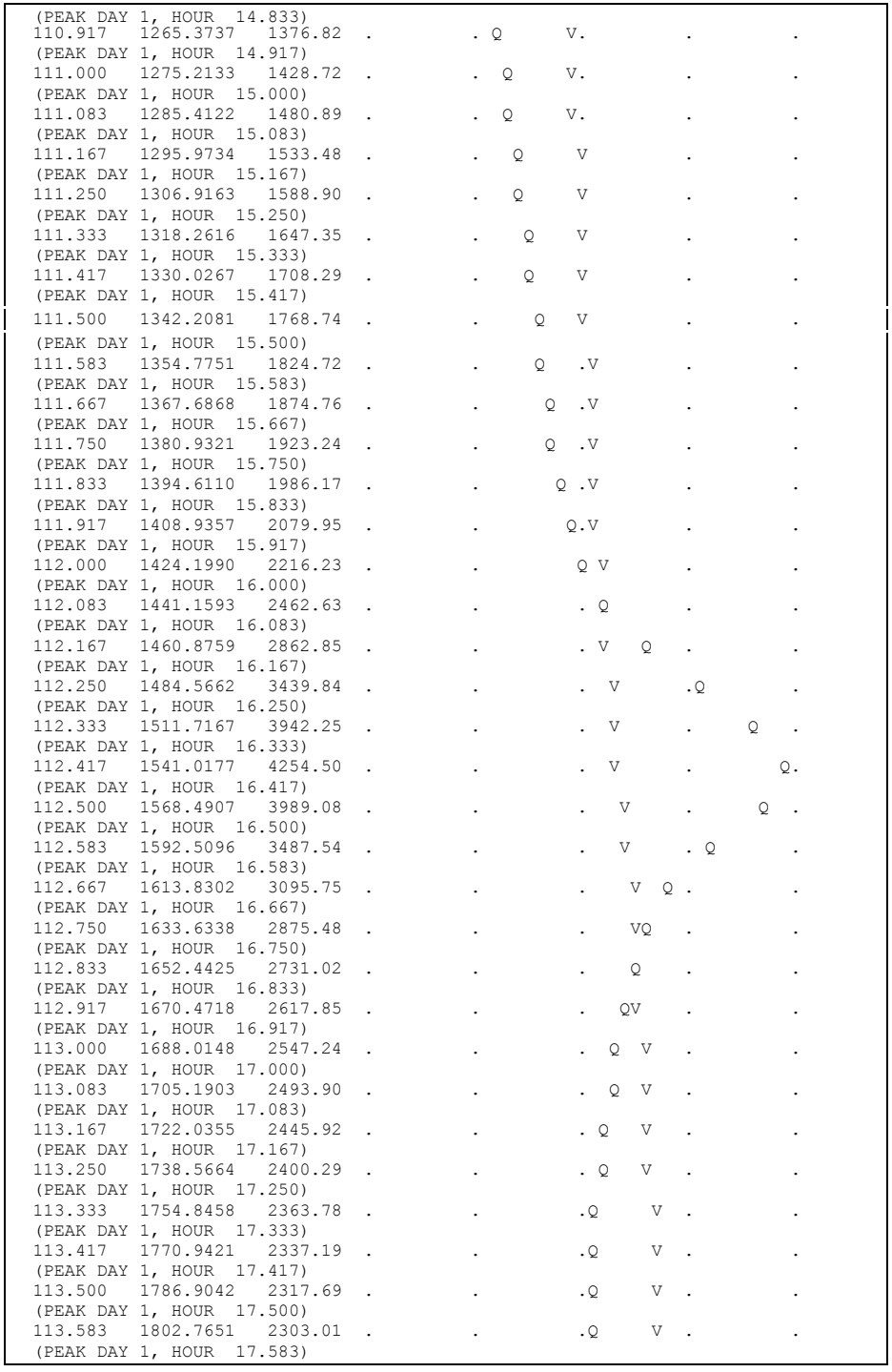
(PEAK DAY 1, HOUR 14.833)
110.917 1265.3737 1376.82 . . Q V. . .
(PEAK DAY 1, HOUR 14.917)
111.000 1275.2133 1428.72 . . Q V. . .
(PEAK DAY 1, HOUR 15.000)
111.083 1285.4122 1480.89 . . Q V. . .
(PEAK DAY 1, HOUR 15.083)
111.167 1295.9734 1533.48 . . Q V . .
(PEAK DAY 1, HOUR 15.167)
111.250 1306.9163 1588.90 . . Q V . .
(PEAK DAY 1, HOUR 15.250)
111.333 1318.2616 1647.35 . . Q V . .
(PEAK DAY 1, HOUR 15.333)
111.417 1330.0267 1708.29 . . Q V . .
(PEAK DAY 1, HOUR 15.417)
111.500 1342.2081 1768.74 . . Q V . .
(PEAK DAY 1, HOUR 15.500)
111.583 1354.7751 1824.72 . . Q .V . .
(PEAK DAY 1, HOUR 15.583)
111.667 1367.6868 1874.76 . . Q .V . .
(PEAK DAY 1, HOUR 15.667)
111.750 1380.9321 1923.24 . . Q .V . .
(PEAK DAY 1, HOUR 15.750)
111.833 1394.6110 1986.17 . . Q .V . .
(PEAK DAY 1, HOUR 15.833)
111.917 1408.9357 2079.95 . . Q.V . .
(PEAK DAY 1, HOUR 15.917)
112.000 1424.1990 2216.23 . . Q V . .
(PEAK DAY 1, HOUR 16.000)
112.083 1441.1593 2462.63 . . . Q . .
(PEAK DAY 1, HOUR 16.083)
112.167 1460.8759 2862.85 . . . V Q . .
(PEAK DAY 1, HOUR 16.167)
112.250 1484.5662 3439.84 . . . V .Q .
(PEAK DAY 1, HOUR 16.250)
112.333 1511.7167 3942.25 . . . V . Q .
(PEAK DAY 1, HOUR 16.333)
112.417 1541.0177 4254.50 . . . V . Q.
(PEAK DAY 1, HOUR 16.417)
112.500 1568.4907 3989.08 . . . V . Q .
(PEAK DAY 1, HOUR 16.500)
112.583 1592.5096 3487.54 . . . V . Q .
(PEAK DAY 1, HOUR 16.583)
112.667 1613.8302 3095.75 . . . V Q . .
(PEAK DAY 1, HOUR 16.667)
112.750 1633.6338 2875.48 . . . VQ . .
(PEAK DAY 1, HOUR 16.750)
112.833 1652.4425 2731.02 . . . Q . .
(PEAK DAY 1, HOUR 16.833)
112.917 1670.4718 2617.85 . . . QV . .
(PEAK DAY 1, HOUR 16.917)
113.000 1688.0148 2547.24 . . . Q V . .
(PEAK DAY 1, HOUR 17.000)
113.083 1705.1903 2493.90 . . . Q V . .
(PEAK DAY 1, HOUR 17.083)
113.167 1722.0355 2445.92 . . . Q V . .
(PEAK DAY 1, HOUR 17.167)
113.250 1738.5664 2400.29 . . . Q V . .
(PEAK DAY 1, HOUR 17.250)
113.333 1754.8458 2363.78 . . .Q V . .
(PEAK DAY 1, HOUR 17.333)
113.417 1770.9421 2337.19 . . .Q V . .
(PEAK DAY 1, HOUR 17.417)
113.500 1786.9042 2317.69 . . .Q V . .
(PEAK DAY 1, HOUR 17.500)
113.583 1802.7651 2303.01 . . .Q V . .
(PEAK DAY 1, HOUR 17.583)
113.667 1818.5394 2290.42 . . .Q V . .
(PEAK DAY 1, HOUR 17.667)
113.750 1834.2294 2278.17 . . .Q V . .
(PEAK DAY 1, HOUR 17.750)
113.833 1849.8317 2265.45 . . .Q V . .
(PEAK DAY 1, HOUR 17.833)
113.917 1865.3435 2252.33 . . Q V . .
(PEAK DAY 1, HOUR 17.917)
114.000 1880.7583 2238.23 . . Q V. .
(PEAK DAY 1, HOUR 18.000)
114.083 1896.0732 2223.72 . . Q V. .
(PEAK DAY 1, HOUR 18.083)
114.167 1911.2780 2207.72 . . Q V. .
(PEAK DAY 1, HOUR 18.167)
114.250 1926.3486 2188.26 . . Q V. .
(PEAK DAY 1, HOUR 18.250)
114.333 1941.2729 2167.00 . . Q V .
(PEAK DAY 1, HOUR 18.333)
114.417 1956.0374 2143.79 . . Q. V .
(PEAK DAY 1, HOUR 18.417)
114.500 1970.6423 2120.64 . . Q. V .
(PEAK DAY 1, HOUR 18.500)
114.583 1985.0956 2098.61 . . Q. V .
(PEAK DAY 1, HOUR 18.583)
114.667 1999.4183 2079.66 . . Q. .V .
(PEAK DAY 1, HOUR 18.667)
114.750 2013.6259 2062.94 . . Q. .V .
(PEAK DAY 1, HOUR 18.750)
114.833 2027.7236 2046.99 . . Q. .V .
(PEAK DAY 1, HOUR 18.833)
114.917 2041.7111 2030.98 . . Q . .V .
(PEAK DAY 1, HOUR 18.917)
115.000 2055.5933 2015.69 . . Q . .V .
(PEAK DAY 1, HOUR 19.000)
115.083 2069.3796 2001.79 . . Q . . V .
(PEAK DAY 1, HOUR 19.083)
115.167 2083.0747 1988.52 . . Q . . V .
(PEAK DAY 1, HOUR 19.167)
115.250 2096.6804 1975.56 . . Q . . V .
(PEAK DAY 1, HOUR 19.250)
115.333 2110.2019 1963.32 . . Q . . V .
(PEAK DAY 1, HOUR 19.333)
115.417 2123.6411 1951.36 . . Q . . V .
(PEAK DAY 1, HOUR 19.417)
115.500 2136.9963 1939.19 . . Q . . V .
(PEAK DAY 1, HOUR 19.500)
115.583 2150.2590 1925.73 . . Q . . V .
(PEAK DAY 1, HOUR 19.583)
115.667 2163.4116 1909.75 . . Q . . V .
(PEAK DAY 1, HOUR 19.667)
115.750 2176.4368 1891.25 . . Q . . V .
(PEAK DAY 1, HOUR 19.750)
115.833 2189.3242 1871.26 . . Q . . V .
(PEAK DAY 1, HOUR 19.833)
115.917 2202.0723 1851.00 . . Q . . V .
(PEAK DAY 1, HOUR 19.917)
116.000 2214.6829 1831.06 . . Q . . V .
(PEAK DAY 1, HOUR 20.000)
116.083 2227.1567 1811.22 . . Q . . V .
(PEAK DAY 1, HOUR 20.083)
116.167 2239.4934 1791.27 . . Q . . V .
(PEAK DAY 1, HOUR 20.167)
116.250 2251.6919 1771.22 . . Q . . V .
(PEAK DAY 1, HOUR 20.250)
116.333 2263.7505 1750.92 . . Q . . V .
(PEAK DAY 1, HOUR 20.333)
116.417 2275.6655 1730.06 . . Q . . V .

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 (PEAK DAY 1, HOUR  20.417)
116.500   2287.4382   1709.39  .         .    Q    .         .    V    .
 (PEAK DAY 1, HOUR  20.500)
116.583   2299.0693   1688.83  .         .    Q    .         .    V    .
 (PEAK DAY 1, HOUR  20.583)
116.667   2310.5596   1668.40  .         .    Q    .         .    V    .
 (PEAK DAY 1, HOUR  20.667)
116.750   2321.9102   1648.10  .         .    Q    .         .     V   .
 (PEAK DAY 1, HOUR  20.750)
116.833   2333.1208   1627.80  .         .    Q    .         .     V   .
 (PEAK DAY 1, HOUR  20.833)
116.917   2344.1902   1607.28  .         .   Q     .         .     V   .
 (PEAK DAY 1, HOUR  20.917)
117.000   2355.1169   1586.56  .         .   Q     .         .     V   .
 (PEAK DAY 1, HOUR  21.000)
117.083   2365.9023   1566.04  .         .   Q     .         .     V   .
 (PEAK DAY 1, HOUR  21.083)
117.167   2376.5469   1545.60  .         .   Q     .         .     V   .
 (PEAK DAY 1, HOUR  21.167)
117.250   2387.0481   1524.76  .         .   Q     .         .      V  .
 (PEAK DAY 1, HOUR  21.250)
117.333   2397.3982   1502.84  .         .  Q      .         .      V  .
 (PEAK DAY 1, HOUR  21.333)
117.417   2407.5898   1479.84  .         .  Q      .         .      V  .
 (PEAK DAY 1, HOUR  21.417)
117.500   2417.6199   1456.36  .         .  Q      .         .      V  .
 (PEAK DAY 1, HOUR  21.500)
117.583   2427.4822   1431.99  .         .  Q      .         .      V  .
 (PEAK DAY 1, HOUR  21.583)
117.667   2437.1538   1404.34  .         .  Q      .         .      V  .
 (PEAK DAY 1, HOUR  21.667)
117.750   2446.5977   1371.25  .         . Q       .         .      V  .
 (PEAK DAY 1, HOUR  21.750)
117.833   2455.7822   1333.60  .         . Q       .         .       V .
 (PEAK DAY 1, HOUR  21.833)
117.917   2464.6907   1293.52  .         . Q       .         .       V .
 (PEAK DAY 1, HOUR  21.917)
118.000   2473.3142   1252.12  .         .Q        .         .       V .
 (PEAK DAY 1, HOUR  22.000)
118.083   2481.6438   1209.47  .         .Q        .         .       V .
 (PEAK DAY 1, HOUR  22.083)
118.167   2489.6602   1163.98  .         Q         .         .       V .
 (PEAK DAY 1, HOUR  22.167)
118.250   2497.3313   1113.86  .         Q         .         .       V .
 (PEAK DAY 1, HOUR  22.250)
118.333   2504.5889   1053.81  .        Q.         .         .       V .
 (PEAK DAY 1, HOUR  22.333)
118.417   2511.1697    955.52  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  22.417)
118.500   2516.5166    776.39  .      Q  .         .         .        V.
 (PEAK DAY 1, HOUR  22.500)
118.583   2520.3286    553.52  .    Q    .         .         .        V.
 (PEAK DAY 1, HOUR  22.583)
118.667   2523.1392    408.09  .  Q      .         .         .        V.
 (PEAK DAY 1, HOUR  22.667)
118.750   2525.6106    358.85  .  Q      .         .         .        V.
 (PEAK DAY 1, HOUR  22.750)
118.833   2527.9712    342.75  .  Q      .         .         .        V.
 (PEAK DAY 1, HOUR  22.833)
118.917   2530.2881    336.41  .  Q      .         .         .        V.
 (PEAK DAY 1, HOUR  22.917)
119.000   2532.5784    332.54  .  Q      .         .         .        V.
 (PEAK DAY 1, HOUR  23.000)
119.083   2534.8477    329.49  .  Q      .         .         .        V.
 (PEAK DAY 1, HOUR  23.083)
119.167   2537.0972    326.62  .  Q      .         .         .        V.
 (PEAK DAY 1, HOUR  23.167)
119.250   2539.3279    323.89  .  Q      .         .         .        V.
 (PEAK DAY 1, HOUR  23.250)
119.333   2541.5400    321.20  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  23.333)
119.417   2543.7341    318.59  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  23.417)
119.500   2545.9106    316.03  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  23.500)
119.583   2548.0698    313.53  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  23.583)
119.667   2550.2122    311.07  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  23.667)
119.750   2552.3379    308.67  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  23.750)
119.833   2554.4475    306.32  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  23.833)
119.917   2556.5413    304.01  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  23.917)
120.000   2558.6194    301.75  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  24.000)
120.083   2560.6782    298.95  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  24.083)
120.167   2562.7058    294.40  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  24.167)
120.250   2564.6743    285.82  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  24.250)
120.333   2566.5491    272.23  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  24.333)
120.417   2568.2905    252.87  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  24.417)
120.500   2569.8884    232.02  . Q       .         .         .        V.
 (PEAK DAY 1, HOUR  24.500)
120.583   2571.3398    210.76  .Q        .         .         .        V.
 (PEAK DAY 1, HOUR  24.583)
120.667   2572.6167    185.41  .Q        .         .         .        V.
 (PEAK DAY 1, HOUR  24.667)
120.750   2573.6731    153.38  .Q        .         .         .        V.
 (PEAK DAY 1, HOUR  24.750)
120.833   2574.5071    121.11  .Q        .         .         .        V.
 (PEAK DAY 1, HOUR  24.833)
120.917   2575.1716     96.50  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  24.917)
121.000   2575.7180     79.33  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.000)
121.083   2576.1763     66.54  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.083)
121.167   2576.5649     56.43  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.167)
121.250   2576.8967     48.16  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.250)
121.333   2577.1807     41.22  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.333)
121.417   2577.4238     35.31  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.417)
121.500   2577.6323     30.27  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.500)
121.583   2577.8108     25.92  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.583)
121.667   2577.9629     22.09  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.667)
121.750   2578.0920     18.74  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.750)
121.833   2578.2012     15.84  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.833)
121.917   2578.2932     13.37  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  25.917)
122.000   2578.3711     11.29  Q         .         .         .        V.
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 (PEAK DAY 1, HOUR  26.000)
 122.083   2578.4370      9.57  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.083)
 122.167   2578.4927      8.09  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.167)
 122.250   2578.5398      6.83  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.250)
 122.333   2578.5808      5.94  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.333)
 122.417   2578.6177      5.37  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.417)
 122.500   2578.6519      4.95  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.500)
 122.583   2578.6836      4.61  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.583)
 122.667   2578.7131      4.30  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.667)
 122.750   2578.7407      4.00  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.750)
 122.833   2578.7664      3.72  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.833)
 122.917   2578.7900      3.45  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.917)
 123.000   2578.8120      3.20  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.000)
 123.083   2578.8323      2.95  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.083)
 123.167   2578.8508      2.71  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.167)
 123.250   2578.8679      2.47  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.250)
 123.333   2578.8833      2.23  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.333)
 123.417   2578.8970      2.00  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.417)
 123.500   2578.9092      1.76  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583   2578.9197      1.53  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667   2578.9287      1.30  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750   2578.9360      1.08  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833   2578.9419      0.86  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917   2578.9463      0.64  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.917)
 124.000   2578.9492      0.44  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  FLOW PROCESS FROM NODE   6355.00 TO NODE   6371.00 IS CODE = 5.2
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  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6039.2 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     314.00
           DOWNSTREAM ELEVATION(FT) =     220.00
           CHANNEL LENGTH(FT) =    5919.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  4254.50
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  2647.97
           CHANNEL NORMAL VELOCITY FOR Q =  2647.97 CFS =  12.74 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.882

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.827


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	77.37	78.29	78.29
1	0.083	96.083	77.24	77.71	77.71
1	0.167	96.167	78.44	77.36	77.36
1	0.250	96.250	82.71	77.89	77.89
1	0.333	96.333	90.81	80.58	80.58
1	0.417	96.417	103.35	86.59	86.59
1	0.500	96.500	117.22	96.65	96.65
1	0.583	96.583	131.63	109.47	109.47
1	0.667	96.667	149.32	123.43	123.43
1	0.750	96.750	172.26	139.48	139.48
1	0.833	96.833	195.70	159.64	159.64
1	0.917	96.917	213.75	182.37	182.37
1	1.000	97.000	226.51	202.86	202.86
1	1.083	97.083	236.18	218.56	218.56
1	1.167	97.167	243.98	230.20	230.20
1	1.250	97.250	250.52	239.24	239.24
1	1.333	97.333	256.17	246.59	246.59
1	1.417	97.417	261.11	252.80	252.80
1	1.500	97.500	265.48	258.18	258.18
1	1.583	97.583	269.39	262.90	262.90
1	1.667	97.667	272.97	267.09	267.09
1	1.750	97.750	276.24	270.87	270.87
1	1.833	97.833	279.21	274.32	274.32
1	1.917	97.917	281.90	277.46	277.46
1	2.000	98.000	284.33	280.32	280.32
1	2.083	98.083	286.53	282.90	282.90
1	2.167	98.167	288.58	285.24	285.24
1	2.250	98.250	290.47	287.38	287.38
1	2.333	98.333	292.12	289.36	289.36
1	2.417	98.417	293.55	291.15	291.15
1	2.500	98.500	294.88	292.71	292.71
1	2.583	98.583	296.17	294.10	294.10
1	2.667	98.667	297.45	295.42	295.42
1	2.750	98.750	298.74	296.71	296.71
1	2.833	98.833	300.02	298.00	298.00
1	2.917	98.917	301.31	299.28	299.28
1	3.000	99.000	302.60	300.57	300.57
1	3.083	99.083	303.91	301.86	301.86
1	3.167	99.167	305.22	303.16	303.16
1	3.250	99.250	306.54	304.46	304.46

1	3.333	99.333	307.87	305.78	305.78
1	3.417	99.417	309.22	307.11	307.11
1	3.500	99.500	310.58	308.45	308.45
1	3.583	99.583	311.96	309.80	309.80
1	3.667	99.667	313.35	311.17	311.17
1	3.750	99.750	314.75	312.55	312.55
1	3.833	99.833	316.16	313.94	313.94
1	3.917	99.917	317.58	315.35	315.35
1	4.000	100.000	319.01	316.76	316.76
1	4.083	100.083	320.45	318.19	318.19
1	4.167	100.167	321.85	319.62	319.62
1	4.250	100.250	323.23	321.04	321.04
1	4.333	100.333	324.59	322.43	322.43
1	4.417	100.417	325.95	323.80	323.80
1	4.500	100.500	327.32	325.17	325.17
1	4.583	100.583	328.71	326.53	326.53
1	4.667	100.667	330.11	327.91	327.91
1	4.750	100.750	331.53	329.30	329.30
1	4.833	100.833	332.96	330.71	330.71
1	4.917	100.917	334.41	332.14	332.14
1	5.000	101.000	335.87	333.57	333.57
1	5.083	101.083	337.35	335.03	335.03
1	5.167	101.167	338.85	336.50	336.50
1	5.250	101.250	340.37	337.99	337.99
1	5.333	101.333	341.90	339.50	339.50
1	5.417	101.417	343.45	341.02	341.02
1	5.500	101.500	345.02	342.56	342.56
1	5.583	101.583	346.61	344.12	344.12
1	5.667	101.667	348.22	345.70	345.70
1	5.750	101.750	349.85	347.30	347.30
1	5.833	101.833	351.49	348.91	348.91
1	5.917	101.917	353.16	350.55	350.55
1	6.000	102.000	354.85	352.21	352.21
1	6.083	102.083	356.56	353.88	353.88
1	6.167	102.167	358.29	355.58	355.58
1	6.250	102.250	360.05	357.30	357.30
1	6.333	102.333	361.82	359.04	359.04
1	6.417	102.417	363.62	360.80	360.80
1	6.500	102.500	365.44	362.59	362.59
1	6.583	102.583	367.29	364.40	364.40
1	6.667	102.667	369.16	366.23	366.23
1	6.750	102.750	371.06	368.09	368.09
1	6.833	102.833	372.98	369.97	369.97
1	6.917	102.917	374.93	371.88	371.88
1	7.000	103.000	376.90	373.81	373.81
1	7.083	103.083	378.90	375.77	375.77
1	7.167	103.167	380.93	377.75	377.75
1	7.250	103.250	382.99	379.77	379.77
1	7.333	103.333	385.08	381.81	381.81
1	7.417	103.417	387.20	383.88	383.88
1	7.500	103.500	389.34	385.98	385.98
1	7.583	103.583	391.53	388.11	388.11
1	7.667	103.667	393.74	390.28	390.28
1	7.750	103.750	395.98	392.47	392.47
1	7.833	103.833	398.26	394.70	394.70
1	7.917	103.917	400.58	396.95	396.95
1	8.000	104.000	402.92	399.25	399.25
1	8.083	104.083	405.31	401.58	401.58
1	8.167	104.167	407.73	403.94	403.94
1	8.250	104.250	410.19	406.34	406.34
1	8.333	104.333	412.69	408.78	408.78
1	8.417	104.417	415.23	411.26	411.26
1	8.500	104.500	417.81	413.78	413.78
1	8.583	104.583	420.44	416.33	416.33
1	8.667	104.667	423.10	418.93	418.93
1	8.750	104.750	425.82	421.57	421.57
1	8.833	104.833	428.57	424.26	424.26
1	8.917	104.917	431.38	426.99	426.99
1	9.000	105.000	434.22	429.77	429.77
1	9.083	105.083	437.13	432.59	432.59
1	9.167	105.167	440.08	435.46	435.46
1	9.250	105.250	443.09	438.39	438.39
1	9.333	105.333	446.14	441.36	441.36
1	9.417	105.417	449.26	444.39	444.39
1	9.500	105.500	452.43	447.48	447.48
1	9.583	105.583	455.67	450.62	450.62
1	9.667	105.667	458.96	453.82	453.82
1	9.750	105.750	462.32	457.07	457.07
1	9.833	105.833	465.74	460.40	460.40
1	9.917	105.917	469.23	463.78	463.78
1	10.000	106.000	472.78	467.23	467.23
1	10.083	106.083	476.42	470.75	470.75
1	10.167	106.167	480.11	474.34	474.34
1	10.250	106.250	483.90	478.00	478.00
1	10.333	106.333	487.75	481.73	481.73
1	10.417	106.417	491.69	485.54	485.54
1	10.500	106.500	495.71	489.44	489.44
1	10.583	106.583	499.83	493.41	493.41
1	10.667	106.667	504.03	497.47	497.47
1	10.750	106.750	508.33	501.62	501.62
1	10.833	106.833	512.71	505.87	505.87
1	10.917	106.917	517.21	510.20	510.20
1	11.000	107.000	521.80	514.64	514.64
1	11.083	107.083	526.51	519.17	519.17
1	11.167	107.167	531.32	523.81	523.81
1	11.250	107.250	536.26	528.56	528.56
1	11.333	107.333	541.31	533.43	533.43
1	11.417	107.417	546.50	538.42	538.42
1	11.500	107.500	551.80	543.53	543.53
1	11.583	107.583	557.26	548.77	548.77
1	11.667	107.667	562.85	554.14	554.14
1	11.750	107.750	568.61	559.65	559.65
1	11.833	107.833	574.50	565.32	565.32
1	11.917	107.917	580.57	571.13	571.13
1	12.000	108.000	586.80	577.10	577.10
1	12.083	108.083	593.59	583.24	583.24
1	12.167	108.167	601.70	589.74	589.74
1	12.250	108.250	612.67	597.18	597.18
1	12.333	108.333	627.20	606.67	606.67
1	12.417	108.417	645.96	619.25	619.25
1	12.500	108.500	666.29	635.65	635.65
1	12.583	108.583	687.68	654.84	654.84
1	12.667	108.667	712.68	675.52	675.52
1	12.750	108.750	743.14	698.68	698.68
1	12.833	108.833	774.34	726.23	726.23
1	12.917	108.917	800.59	756.57	756.57
1	13.000	109.000	821.91	785.03	785.03
1	13.083	109.083	840.54	809.08	809.08
1	13.167	109.167	857.65	829.46	829.46
1	13.250	109.250	873.92	847.60	847.60
1	13.333	109.333	889.49	864.44	864.44
1	13.417	109.417	904.00	880.44	880.44
1	13.500	109.500	916.99	895.53	895.53
1	13.583	109.583	929.64	909.34	909.34
1	13.667	109.667	943.89	922.30	922.30
1	13.750	109.750	960.84	935.84	935.84
1	13.833	109.833	980.40	951.39	951.39
1	13.917	109.917	1001.89	969.46	969.46
1	14.000	110.000	1023.49	989.78	989.78
1	14.083	110.083	1043.94	1011.12	1011.12
1	14.167	110.167	1064.13	1032.08	1032.08
1	14.250	110.250	1086.55	1052.47	1052.47
1	14.333	110.333	1112.14	1073.86	1073.86
1	14.417	110.417	1140.73	1097.77	1097.77

1	14.500	110.500	1171.25	1124.64	1124.64
1	14.583	110.583	1204.57	1153.95	1153.95
1	14.667	110.667	1241.38	1185.73	1185.73
1	14.750	110.750	1282.06	1220.61	1220.61
1	14.833	110.833	1327.06	1259.12	1259.12
1	14.917	110.917	1376.82	1301.69	1301.69
1	15.000	111.000	1428.72	1348.76	1348.76
1	15.083	111.083	1480.89	1399.17	1399.17
1	15.167	111.167	1533.48	1450.96	1450.96
1	15.250	111.250	1588.90	1503.28	1503.28
1	15.333	111.333	1647.35	1557.31	1557.31
1	15.417	111.417	1708.29	1614.08	1614.08
1	15.500	111.500	1768.74	1673.54	1673.54
1	15.583	111.583	1824.72	1733.97	1733.97
1	15.667	111.667	1874.76	1792.08	1792.08
1	15.750	111.750	1923.24	1845.31	1845.31
1	15.833	111.833	1986.17	1895.08	1895.08
1	15.917	111.917	2079.95	1951.36	1951.36
1	16.000	112.000	2216.23	2029.31	2029.31
1	16.083	112.083	2462.63	2142.63	2142.63
1	16.167	112.167	2862.85	2332.66	2332.66
1	16.250	112.250	3439.84	2649.94	2649.94
1	16.333	112.333	3942.25	3128.48	3128.48
1	16.417	112.417	4254.50	3649.39	3649.39
1	16.500	112.500	3989.08	4055.34	4055.34
1	16.583	112.583	3487.54	4081.02	4081.02
1	16.667	112.667	3095.75	3742.10	3742.10
1	16.750	112.750	2875.48	3326.16	3326.16
1	16.833	112.833	2731.02	3020.09	3020.09
1	16.917	112.917	2617.85	2824.74	2824.74
1	17.000	113.000	2547.24	2687.89	2687.89
1	17.083	113.083	2493.90	2592.94	2592.94
1	17.167	113.167	2445.92	2527.17	2527.17
1	17.250	113.250	2400.29	2474.50	2474.50
1	17.333	113.333	2363.78	2426.94	2426.94
1	17.417	113.417	2337.19	2385.75	2385.75
1	17.500	113.500	2317.69	2353.64	2353.64
1	17.583	113.583	2303.01	2329.81	2329.81
1	17.667	113.667	2290.42	2312.09	2312.09
1	17.750	113.750	2278.17	2297.98	2297.98
1	17.833	113.833	2265.45	2285.31	2285.31
1	17.917	113.917	2252.33	2272.74	2272.74
1	18.000	114.000	2238.23	2259.83	2259.83
1	18.083	114.083	2223.72	2246.23	2246.23
1	18.167	114.167	2207.72	2232.01	2232.01
1	18.250	114.250	2188.26	2216.77	2216.77
1	18.333	114.333	2167.00	2199.09	2199.09
1	18.417	114.417	2143.79	2178.99	2178.99
1	18.500	114.500	2120.64	2156.90	2156.90
1	18.583	114.583	2098.61	2133.92	2133.92
1	18.667	114.667	2079.66	2111.39	2111.39
1	18.750	114.750	2062.94	2090.88	2090.88
1	18.833	114.833	2046.99	2072.83	2072.83
1	18.917	114.917	2030.98	2056.29	2056.29
1	19.000	115.000	2015.69	2040.20	2040.20
1	19.083	115.083	2001.79	2024.56	2024.56
1	19.167	115.167	1988.52	2009.94	2009.94
1	19.250	115.250	1975.56	1996.24	1996.24
1	19.333	115.333	1963.32	1983.06	1983.06
1	19.417	115.417	1951.36	1970.44	1970.44
1	19.500	115.500	1939.19	1958.28	1958.28
1	19.583	115.583	1925.73	1946.18	1946.18
1	19.667	115.667	1909.75	1933.35	1933.35
1	19.750	115.750	1891.25	1918.67	1918.67
1	19.833	115.833	1871.26	1901.59	1901.59
1	19.917	115.917	1851.00	1882.56	1882.56
1	20.000	116.000	1831.06	1862.59	1862.59
1	20.083	116.083	1811.22	1842.55	1842.55
1	20.167	116.167	1791.27	1822.65	1822.65
1	20.250	116.250	1771.22	1802.74	1802.74
1	20.333	116.333	1750.92	1782.74	1782.74
1	20.417	116.417	1730.06	1762.57	1762.57
1	20.500	116.500	1709.39	1742.00	1742.00
1	20.583	116.583	1688.83	1721.29	1721.29
1	20.667	116.667	1668.40	1700.67	1700.67
1	20.750	116.750	1648.10	1680.17	1680.17
1	20.833	116.833	1627.80	1659.79	1659.79
1	20.917	116.917	1607.28	1639.48	1639.48
1	21.000	117.000	1586.56	1619.06	1619.06
1	21.083	117.083	1566.04	1598.45	1598.45
1	21.167	117.167	1545.60	1577.86	1577.86
1	21.250	117.250	1524.76	1557.37	1557.37
1	21.333	117.333	1502.84	1536.71	1536.71
1	21.417	117.417	1479.84	1515.33	1515.33
1	21.500	117.500	1456.36	1492.94	1492.94
1	21.583	117.583	1431.99	1469.80	1469.80
1	21.667	117.667	1404.34	1445.91	1445.91
1	21.750	117.750	1371.25	1419.90	1419.90
1	21.833	117.833	1333.60	1389.68	1389.68
1	21.917	117.917	1293.52	1354.70	1354.70
1	22.000	118.000	1252.12	1316.24	1316.24
1	22.083	118.083	1209.47	1275.75	1275.75
1	22.167	118.167	1163.98	1233.85	1233.85
1	22.250	118.250	1113.86	1189.84	1189.84
1	22.333	118.333	1053.81	1142.18	1142.18
1	22.417	118.417	955.52	1087.28	1087.28
1	22.500	118.500	776.39	1008.08	1008.08
1	22.583	118.583	553.52	870.72	870.72
1	22.667	118.667	408.09	675.87	675.87
1	22.750	118.750	358.85	498.42	498.42
1	22.833	118.833	342.75	397.87	397.87
1	22.917	118.917	336.41	357.14	357.14
1	23.000	119.000	332.54	341.91	341.91
1	23.083	119.083	329.49	335.34	335.34
1	23.167	119.167	326.62	331.43	331.43
1	23.250	119.250	323.89	328.32	328.32
1	23.333	119.333	321.20	325.48	325.48
1	23.417	119.417	318.59	322.75	322.75
1	23.500	119.500	316.03	320.10	320.10
1	23.583	119.583	313.53	317.51	317.51
1	23.667	119.667	311.07	314.97	314.97
1	23.750	119.750	308.67	312.49	312.49
1	23.833	119.833	306.32	310.06	310.06
1	23.917	119.917	304.01	307.68	307.68
1	24.000	120.000	301.75	305.34	305.34
1	24.083	120.083	298.95	303.05	303.05
1	24.167	120.167	294.40	300.50	300.50
1	24.250	120.250	285.82	296.83	296.83
1	24.333	120.333	272.23	290.32	290.32
1	24.417	120.417	252.87	279.48	279.48
1	24.500	120.500	232.02	263.34	263.34
1	24.583	120.583	210.76	243.75	243.75
1	24.667	120.667	185.41	222.90	222.90
1	24.750	120.750	153.38	199.57	199.57
1	24.833	120.833	121.11	171.07	171.07
1	24.917	120.917	96.50	139.52	139.52
1	25.000	121.000	79.33	111.39	111.39
1	25.083	121.083	66.54	90.07	90.07
1	25.167	121.167	56.43	74.48	74.48
1	25.250	121.250	48.16	62.61	62.61
1	25.333	121.333	41.22	53.16	53.16
1	25.417	121.417	35.31	45.38	45.38
1	25.500	121.500	30.27	38.84	38.84
1	25.583	121.583	25.92	33.28	33.28

1	25.667	121.667	22.09	28.51	28.51
1	25.750	121.750	18.74	24.36	24.36
1	25.833	121.833	15.84	20.73	20.73
1	25.917	121.917	13.37	17.57	17.57
1	26.000	122.000	11.29	14.85	14.85
1	26.083	122.083	9.57	12.54	12.54
1	26.167	122.167	8.09	10.61	10.61
1	26.250	122.250	6.83	8.97	8.97
1	26.333	122.333	5.94	7.58	7.58
1	26.417	122.417	5.37	6.49	6.49
1	26.500	122.500	4.95	5.74	5.74
1	26.583	122.583	4.61	5.22	5.22
1	26.667	122.667	4.30	4.82	4.82
1	26.750	122.750	4.00	4.49	4.49
1	26.833	122.833	3.72	4.18	4.18
1	26.917	122.917	3.45	3.88	3.88
1	27.000	123.000	3.20	3.60	3.60
1	27.083	123.083	2.95	3.34	3.34
1	27.167	123.167	2.71	3.09	3.09
1	27.250	123.250	2.47	2.85	2.85
1	27.333	123.333	2.23	2.60	2.60
1	27.417	123.417	2.00	2.37	2.37
1	27.500	123.500	1.76	2.13	2.13
1	27.583	123.583	1.53	1.90	1.90
1	27.667	123.667	1.30	1.67	1.67
1	27.750	123.750	1.08	1.44	1.44
1	27.833	123.833	0.86	1.21	1.21
1	27.917	123.917	0.64	0.98	0.98
1	28.000	124.000	0.44	0.77	0.77

Note: Computed Hydrograph continues past two days after the peak day of the design storm.

PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 2578.954 AF
OUTFLOW VOLUME = 2578.954 AF
LOSS VOLUME = 0.000 AF

FLOW PROCESS FROM NODE 6360.00 TO NODE 6371.00 IS CODE = 1

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 922.3 Ac. ***
>>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

(UNIT-HYDROGRAPH ADDED TO STREAM #2)

WATERSHED AREA = 922.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.250 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED):
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.900
FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
VALLEY(UNDEVELOPED)/DESERT:
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:

LOSS RATES	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
5-MINUTE (INCHES)	0.58	0.27	0.12	0.06	0.04
30-MINUTE (INCHES)	1.22	0.56	0.24	0.13	0.09
1-HOUR (INCHES)	1.62	0.75	0.33	0.17	0.12
3-HOUR (INCHES)	2.71	1.25	0.54	0.28	0.21
6-HOUR (INCHES)	3.75	1.73	0.75	0.39	0.29
24-HOUR (INCHES)	6.28	2.89	1.26	0.66	0.48
LOSS RATE(IN/HR)	0.120	0.120	0.120	0.120	0.120
LOW LOSS FRACTION	0.510	0.760	0.950	0.990	0.990

5-MINUTE FACTOR = 0.959
30-MINUTE FACTOR = 0.959
1-HOUR FACTOR = 0.959
3-HOUR FACTOR = 0.994
6-HOUR FACTOR = 0.997
24-HOUR FACTOR = 0.998

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 33.333

RUNOFF HYDROGRAPH LISTING LIMITS:
MODEL TIME(HOURS) FOR BEGINNING OF RESULTS = 96.00
MODEL TIME(HOURS) FOR END OF RESULTS = 124.00

UNIT HYDROGRAPH DETERMINATION

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	2.292	255.704
2	13.821	1285.900
3	35.522	2420.567
4	62.164	2971.648
5	80.648	2061.668
6	89.997	1042.866
7	94.646	518.513
8	96.625	220.790
9	97.489	96.296
10	98.211	80.598
11	98.708	55.360
12	99.005	33.223
13	99.174	18.845
14	99.253	8.821
15	99.326	8.100
16	99.394	7.535
17	99.458	7.164
18	99.518	6.727
19	99.574	6.257
20	99.626	5.759
21	99.675	5.514
22	99.718	4.708
23	99.759	4.643
24	99.799	4.443
25	99.827	3.130
26	99.851	2.675
27	99.875	2.675
28	99.897	2.469
29	99.906	1.014
30	99.913	0.730
31	99.919	0.731
32	99.926	0.729

33	99.932	0.731
34	99.939	0.729
35	99.946	0.730
36	99.952	0.729
37	99.959	0.729
38	99.965	0.729
39	99.972	0.730
40	99.978	0.729
41	99.985	0.729
42	99.991	0.729
43	99.998	0.729
44	100.000	0.237

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 433.5397

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 453.8287

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	650.0	1300.0	1950.0	2600.0
96.000	126.4908	10.29	Q	.V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	126.5666	11.01	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	126.6693	14.91	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	126.8231	22.33	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	127.0401	31.50	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	127.3012	37.92	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	127.5853	41.24	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	127.8812	42.97	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	128.1828	43.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	128.4874	44.23	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	128.7947	44.62	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	129.1042	44.94	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	129.4155	45.20	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	129.7283	45.41	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	130.0422	45.59	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	130.3575	45.77	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	130.6740	45.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	130.9917	46.14	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	131.3107	46.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	131.6310	46.50	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	131.9525	46.68	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	132.2753	46.87	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	132.5993	47.05	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	132.9246	47.23	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	133.2512	47.42	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	133.5791	47.60	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	133.9082	47.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	134.2386	47.97	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	134.5703	48.16	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	134.9032	48.34	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	135.2374	48.53	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	135.5729	48.71	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	135.9097	48.90	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	136.2478	49.09	Q	. V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	136.5872	49.28	Q	. V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	136.9279	49.48	Q	. V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	137.2700	49.67	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	137.6135	49.87	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	137.9583	50.07	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	138.3045	50.27	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	138.6522	50.48	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	139.0012	50.68	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	139.3517	50.89	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	139.7036	51.10	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	140.0570	51.31	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	140.4118	51.52	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	140.7682	51.74	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	141.1260	51.95	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	141.4853	52.18	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	141.8462	52.40	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	142.2086	52.62	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	142.5726	52.85	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	142.9381	53.08	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	143.3053	53.31	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	143.6741	53.55	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	144.0445	53.78	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	144.4165	54.02	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	144.7903	54.27	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	145.1657	54.51	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	145.5429	54.76	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	145.9218	55.02	Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	146.3024	55.27	Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
 101.167    146.6848     55.53  Q          . V        .          .          .
 (PEAK DAY 1, HOUR   5.167)
 101.250    147.0691     55.79  Q          . V        .          .          .
 (PEAK DAY 1, HOUR   5.250)
 101.333    147.4551     56.05  Q          . V        .          .          .
 (PEAK DAY 1, HOUR   5.333)
 101.417    147.8430     56.32  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.417)
 101.500    148.2327     56.59  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.500)
 101.583    148.6244     56.87  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.583)
 101.667    149.0179     57.14  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.667)
 101.750    149.4134     57.42  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.750)
 101.833    149.8109     57.71  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.833)
 101.917    150.2103     58.00  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.917)
 102.000    150.6118     58.29  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.000)
 102.083    151.0152     58.59  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.083)
 102.167    151.4208     58.89  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.167)
 102.250    151.8285     59.19  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.250)
 102.333    152.2383     59.50  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.333)
 102.417    152.6502     59.81  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.417)
 102.500    153.0643     60.13  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.500)
 102.583    153.4807     60.45  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.583)
 102.667    153.8993     60.78  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.667)
 102.750    154.3201     61.11  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.750)
 102.833    154.7433     61.45  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.833)
 102.917    155.1688     61.78  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.917)
 103.000    155.5967     62.13  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.000)
 103.083    156.0270     62.48  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.083)
 103.167    156.4598     62.84  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.167)
 103.250    156.8950     63.19  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.250)
 103.333    157.3327     63.56  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.333)
 103.417    157.7730     63.93  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.417)
 103.500    158.2159     64.31  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.500)
 103.583    158.6615     64.69  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.583)
 103.667    159.1097     65.08  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.667)
 103.750    159.5606     65.47  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.750)
 103.833    160.0143     65.88  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.833)
 103.917    160.4708     66.28  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.917)
 104.000    160.9302     66.70  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.000)
 104.083    161.3924     67.12  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.083)
 104.167    161.8577     67.55  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.167)
 104.250    162.3259     67.98  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.250)
 104.333    162.7971     68.43  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.333)
 104.417    163.2715     68.88  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.417)
 104.500    163.7490     69.34  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.500)
 104.583    164.2297     69.80  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.583)
 104.667    164.7137     70.28  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.667)
 104.750    165.2010     70.76  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.750)
 104.833    165.6917     71.25  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.833)
 104.917    166.1859     71.75  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.917)
 105.000    166.6836     72.26  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.000)
 105.083    167.1848     72.78  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.083)
 105.167    167.6897     73.31  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.167)
 105.250    168.1983     73.85  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.250)
 105.333    168.7106     74.40  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.333)
 105.417    169.2269     74.96  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.417)
 105.500    169.7471     75.53  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.500)
 105.583    170.2712     76.11  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.583)
 105.667    170.7995     76.71  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.667)
 105.750    171.3320     77.31  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.750)
 105.833    171.8687     77.93  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.833)
 105.917    172.4097     78.56  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.917)
 106.000    172.9553     79.21  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.000)
 106.083    173.5053     79.87  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.083)
 106.167    174.0600     80.55  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.167)
 106.250    174.6195     81.23  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.250)
 106.333    175.1838     81.94  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.333)
 106.417    175.7531     82.66  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.417)
 106.500    176.3275     83.40  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.500)
 106.583    176.9070     84.15  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.583)
 106.667    177.4919     84.93  .Q         .    V     .          .          .
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 (PEAK DAY 1, HOUR  10.667)
106.750    178.0822     85.71  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    178.6782     86.53  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    179.2798     87.36  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    179.8873     88.21  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    180.5009     89.08  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    181.1206     89.99  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    181.7466     90.90  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    182.3792     91.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    183.0185     92.82  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    183.6647     93.83  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    184.3179     94.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    184.9784     95.91  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    185.6464     96.99  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    186.3222     98.12  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    187.0058     99.27  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    187.6978    100.47  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    188.4071    103.00  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    189.1709    110.90  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    190.0303    124.79  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    191.0077    141.92  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    192.0742    154.86  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    193.1971    163.04  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    194.3594    168.77  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    195.5523    173.20  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    196.7720    177.11  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    198.0194    181.12  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    199.2942    185.10  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    200.5969    189.16  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    201.9279    193.26  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    203.2883    197.53  .  Q      .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    204.6788    201.90  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    206.1012    206.52  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    207.5563    211.28  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    209.0460    216.31  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    210.5715    221.50  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    212.1349    227.01  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    213.7376    232.71  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    215.3821    238.78  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    217.0699    245.07  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    218.8041    251.80  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    220.5902    259.34  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    222.4465    269.54  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    224.3919    282.46  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    226.4383    297.14  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    228.5758    310.36  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    230.7948    322.20  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    233.0915    333.49  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    235.4680    345.08  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    237.9275    357.12  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    240.4778    370.30  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    243.1250    384.38  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  14.917)
111.000    245.8795    399.94  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.000)
111.083    248.7500    416.80  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.083)
111.167    251.7508    435.72  .     Q   .         . V       .         .
 (PEAK DAY 1, HOUR  15.167)
111.250    254.8950    456.54  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.250)
111.333    258.2032    480.36  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.333)
111.417    261.6745    504.03  .      Q  .         .  V      .         .
 (PEAK DAY 1, HOUR  15.417)
111.500    265.2556    519.98  .      Q  .         .  V      .         .
 (PEAK DAY 1, HOUR  15.500)
111.583    268.8864    527.19  .       Q .         .  V      .         .
 (PEAK DAY 1, HOUR  15.583)
111.667    272.5746    535.52  .       Q .         .   V     .         .
 (PEAK DAY 1, HOUR  15.667)
111.750    276.4615    564.39  .       Q .         .   V     .         .
 (PEAK DAY 1, HOUR  15.750)
111.833    280.7536    623.20  .        Q.         .   V     .         .
 (PEAK DAY 1, HOUR  15.833)
111.917    285.6821    715.63  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  15.917)
112.000    291.6738    869.99  .         . Q       .    V    .         .
 (PEAK DAY 1, HOUR  16.000)
112.083    299.9257   1198.18  .         .       Q .     V   .         .
 (PEAK DAY 1, HOUR  16.083)
112.167    312.6125   1842.12  .         .         .      VQ .         .
 (PEAK DAY 1, HOUR  16.167)
112.250    329.2037   2409.04  .         .         .       V.      Q  .
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 (PEAK DAY 1, HOUR  16.250)
112.333    346.6870   2538.58  .         .         .         V        Q.
 (PEAK DAY 1, HOUR  16.333)
112.417    360.1437   1953.91  .         .         .         QV       .
 (PEAK DAY 1, HOUR  16.417)
112.500    369.2429   1321.20  .         .         Q         . V      .
 (PEAK DAY 1, HOUR  16.500)
112.583    375.7551    945.57  .         .   Q     .         .  V     .
 (PEAK DAY 1, HOUR  16.583)
112.667    380.7361    723.23  .         .Q        .         .  V     .
 (PEAK DAY 1, HOUR  16.667)
112.750    384.8868    602.69  .        Q.         .         .  V     .
 (PEAK DAY 1, HOUR  16.750)
112.833    388.6063    540.07  .       Q .         .         .   V    .
 (PEAK DAY 1, HOUR  16.833)
112.917    391.9329    483.02  .      Q  .         .         .   V    .
 (PEAK DAY 1, HOUR  16.917)
113.000    394.9217    433.96  .     Q   .         .         .   V    .
 (PEAK DAY 1, HOUR  17.000)
113.083    397.6353    394.02  .     Q   .         .         .    V   .
 (PEAK DAY 1, HOUR  17.083)
113.167    400.1144    359.97  .    Q    .         .         .    V   .
 (PEAK DAY 1, HOUR  17.167)
113.250    402.3992    331.75  .    Q    .         .         .    V   .
 (PEAK DAY 1, HOUR  17.250)
113.333    404.5044    305.67  .   Q     .         .         .    V   .
 (PEAK DAY 1, HOUR  17.333)
113.417    406.4601    283.98  .   Q     .         .         .    V   .
 (PEAK DAY 1, HOUR  17.417)
113.500    408.2940    266.28  .   Q     .         .         .    V   .
 (PEAK DAY 1, HOUR  17.500)
113.583    410.0247    251.30  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.583)
113.667    411.6657    238.27  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.667)
113.750    413.2271    226.73  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.750)
113.833    414.7146    215.98  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.833)
113.917    416.1360    206.38  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.917)
114.000    417.4958    197.44  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  18.000)
114.083    418.7867    187.45  .Q        .         .         .     V  .
 (PEAK DAY 1, HOUR  18.083)
114.167    419.9803    173.31  .Q        .         .         .      V .
 (PEAK DAY 1, HOUR  18.167)
114.250    421.0444    154.50  .Q        .         .         .      V .
 (PEAK DAY 1, HOUR  18.250)
114.333    421.9666    133.89  .Q        .         .         .      V .
 (PEAK DAY 1, HOUR  18.333)
114.417    422.7832    118.57 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.417)
114.500    423.5391    109.76 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.500)
114.583    424.2572    104.27 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.583)
114.667    424.9502    100.61 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.667)
114.750    425.6237     97.79 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.750)
114.833    426.2794     95.21 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.833)
114.917    426.9191     92.90 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.917)
115.000    427.5446     90.82 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.000)
115.083    428.1571     88.93 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.083)
115.167    428.7575     87.18 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.167)
115.250    429.3465     85.52 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.250)
115.333    429.9244     83.92 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.333)
115.417    430.4919     82.39 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.417)
115.500    431.0491     80.91 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.500)
115.583    431.5964     79.46 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.583)
115.667    432.1327     77.87 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.667)
115.750    432.6594     76.47 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.750)
115.833    433.1776     75.24 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.833)
115.917    433.6878     74.08 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.917)
116.000    434.1903     72.96 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.000)
116.083    434.6854     71.89 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.083)
116.167    435.1735     70.87 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.167)
116.250    435.6548     69.88 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.250)
116.333    436.1295     68.93 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.333)
116.417    436.5980     68.02 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.417)
116.500    437.0605     67.15 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.500)
116.583    437.5171     66.30 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.583)
116.667    437.9680     65.48 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.667)
116.750    438.4135     64.69 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  20.750)
116.833    438.8538     63.92 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  20.833)
116.917    439.2888     63.18 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  20.917)
117.000    439.7190     62.45 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.000)
117.083    440.1443     61.75 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.083)
117.167    440.5648     61.07 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.167)
117.250    440.9809     60.41 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.250)
117.333    441.3925     59.77 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.333)
117.417    441.7998     59.14 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.417)
117.500    442.2029     58.53 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.500)
117.583    442.6020     57.94 Q          .         .         .        V.
 (PEAK DAY 1, HOUR  21.583)
117.667    442.9971     57.37 Q          .         .         .        V.
 (PEAK DAY 1, HOUR  21.667)
117.750    443.3883     56.81 Q          .         .         .        V.
 (PEAK DAY 1, HOUR  21.750)
117.833    443.7758     56.26 Q          .         .         .        V.
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(PEAK DAY 1, HOUR 21.833)
117.917 444.1596 55.73 Q . . . V.
(PEAK DAY 1, HOUR 21.917)
118.000 444.5399 55.21 Q . . . V.
(PEAK DAY 1, HOUR 22.000)
118.083 444.9166 54.71 Q . . . V.
(PEAK DAY 1, HOUR 22.083)
118.167 445.2900 54.21 Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 445.6600 53.73 Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 446.0268 53.26 Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 446.3904 52.79 Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 446.7509 52.34 Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 447.1083 51.90 Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 447.4628 51.47 Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 447.8144 51.05 Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 448.1631 50.64 Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 448.5091 50.23 Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 448.8523 49.83 Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 449.1928 49.45 Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 449.5307 49.06 Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 449.8661 48.69 Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 450.1989 48.33 Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 450.5292 47.97 Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 450.8572 47.62 Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 451.1827 47.27 Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 451.5060 46.93 Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 451.8269 46.60 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 452.1455 46.27 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 452.4620 45.95 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 452.7763 45.64 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 453.0815 44.31 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 453.3494 38.91 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 453.5494 29.03 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 453.6667 17.04 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 453.7269 8.73 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 453.7581 4.53 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 453.7749 2.44 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 453.7856 1.55 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 453.7936 1.16 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 453.7993 0.83 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 453.8034 0.60 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 453.8066 0.47 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 453.8093 0.39 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 453.8117 0.35 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 453.8139 0.32 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 453.8159 0.28 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 453.8176 0.25 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 453.8192 0.23 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 453.8205 0.20 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 453.8217 0.17 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 453.8228 0.15 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 453.8237 0.13 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 453.8244 0.11 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 453.8251 0.09 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 453.8256 0.08 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 453.8261 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 453.8265 0.06 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 453.8268 0.05 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 453.8271 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 453.8274 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 453.8277 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 453.8279 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 453.8281 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 453.8283 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 453.8285 0.02 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 453.8286 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 453.8288 0.02 Q . . . V
(PEAK DAY 1, HOUR 27.083)
123.167 453.8289 0.02 Q . . . V
(PEAK DAY 1, HOUR 27.167)
123.250 453.8290 0.01 Q . . . V
(PEAK DAY 1, HOUR 27.250)
123.333 453.8290 0.01 Q . . . V
(PEAK DAY 1, HOUR 27.333)
==========

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****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6961.5 Ac. ***
============================================================================


****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6961.5 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
          (Note: Time indicated is at END of Each Unit Intervals)
----------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1425.0    2850.0    4275.0    5700.0
----------------------------------------------------------------------------
  96.000    806.5950     88.58  Q         V         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    807.2060     88.71  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    807.8414     92.27  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    808.5317    100.22  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    809.3036    112.09  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    810.1612    124.51  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    811.1109    137.90  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    812.1607    152.44  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    813.3124    167.22  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    814.5776    183.71  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    815.9844    204.27  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    817.5499    227.31  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    819.2583    248.06  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    821.0762    263.96  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    822.9756    275.80  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    824.9385    285.01  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    826.9533    292.55  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    829.0121    298.94  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    831.1092    304.50  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    833.2400    309.40  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    835.4009    313.77  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    837.5892    317.74  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    839.8026    321.37  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    842.0388    324.70  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    844.2959    327.74  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    846.5721    330.51  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    848.8657    333.03  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    851.1752    335.35  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    853.4998    337.52  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    855.8378    339.49  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    858.1879    341.23  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    860.5489    342.82  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    862.9203    344.33  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    865.3019    345.80  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    867.6936    347.28  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    870.0955    348.76  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    872.5077    350.25  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    874.9301    351.73  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    877.3629    353.23  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    879.8059    354.74  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    882.2595    356.26  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    884.7236    357.79  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    887.1984    359.34  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    889.6839    360.90  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    892.1804    362.48  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    894.6877    364.07  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    897.2062    365.68  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    899.7359    367.30  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    902.2768    368.94  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   4.000)
 100.083    904.8290    370.59  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   4.083)
 100.167    907.3927    372.25  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   4.167)
 100.250    909.9677    373.89  . Q       . V       .         .         .
 (PEAK DAY 1, HOUR   4.250)
 100.333    912.5539    375.51  . Q       . V       .         .         .
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(PEAK DAY 1, HOUR 4.333)								
100.417	915.1511	377.11	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.417)								
100.500	917.7593	378.71	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.500)								
100.583	920.3785	380.32	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.583)								
100.667	923.0090	381.94	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.667)								
100.750	925.6506	383.57	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.750)								
100.833	928.3037	385.23	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.833)								
100.917	930.9683	386.90	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.917)								
101.000	933.6445	388.59	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.000)								
101.083	936.3325	390.30	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.083)								
101.167	939.0325	392.03	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.167)								
101.250	941.7444	393.78	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.250)								
101.333	944.4686	395.55	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.333)								
101.417	947.2051	397.34	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.417)								
101.500	949.9541	399.15	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.500)								
101.583	952.7157	400.98	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.583)								
101.667	955.4901	402.84	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.667)								
101.750	958.2775	404.72	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.750)								
101.833	961.0779	406.62	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.833)								
101.917	963.8915	408.55	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.917)								
102.000	966.7187	410.50	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.000)								
102.083	969.5594	412.47	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.083)								
102.167	972.4139	414.47	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.167)								
102.250	975.2823	416.49	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.250)								
102.333	978.1648	418.54	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.333)								
102.417	981.0616	420.62	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.417)								
102.500	983.9729	422.72	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.500)								
102.583	986.8989	424.85	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.583)								
102.667	989.8397	427.01	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.667)								
102.750	992.7956	429.19	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.750)								
102.833	995.7668	431.41	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.833)								
102.917	998.7534	433.66	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.917)								
103.000	1001.7557	435.94	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.000)								
103.083	1004.7740	438.25	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.083)								
103.167	1007.8083	440.59	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.167)								
103.250	1010.8591	442.96	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.250)								
103.333	1013.9264	445.37	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.333)								
103.417	1017.0105	447.81	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.417)								
103.500	1020.1117	450.29	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.500)								
103.583	1023.2302	452.80	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.583)								
103.667	1026.3662	455.36	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.667)								
103.750	1029.5201	457.94	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.750)								
103.833	1032.6921	460.57	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.833)								
103.917	1035.8824	463.24	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.917)								
104.000	1039.0914	465.95	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.000)								
104.083	1042.3193	468.70	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.083)								
104.167	1045.5665	471.49	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.167)								
104.250	1048.8333	474.33	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.250)								
104.333	1052.1199	477.21	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.333)								
104.417	1055.4266	480.13	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.417)								
104.500	1058.7539	483.11	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.500)								
104.583	1062.1019	486.13	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.583)								
104.667	1065.4712	489.21	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.667)								
104.750	1068.8619	492.33	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.750)								
104.833	1072.2745	495.51	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.833)								
104.917	1075.7094	498.74	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.917)								
105.000	1079.1669	502.03	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.000)								
105.083	1082.6473	505.37	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.083)								
105.167	1086.1512	508.78	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.167)								
105.250	1089.6791	512.23	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.250)								
105.333	1093.2312	515.76	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.333)								
105.417	1096.8080	519.35	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.417)								
105.500	1100.4099	523.01	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.500)								
105.583	1104.0375	526.72	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.583)								
105.667	1107.6912	530.52	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.667)								
105.750	1111.3715	534.38	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.750)								
105.833	1115.0790	538.33	. Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.833)								
105.917	1118.8141	542.34	. Q	. V	.	.	.	

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 (PEAK DAY 1, HOUR   9.917)
106.000   1122.5775    546.44  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083   1126.3696    550.61  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167   1130.1912    554.88  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250   1134.0426    559.23  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333   1137.9247    563.67  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417   1141.8379    568.20  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500   1145.7831    572.84  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583   1149.7607    577.56  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667   1153.7717    582.40  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750   1157.8168    587.34  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833   1161.8966    592.40  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917   1166.0120    597.56  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000   1170.1638    602.85  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083   1174.3529    608.25  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167   1178.5802    613.80  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250   1182.8464    619.47  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333   1187.1528    625.29  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417   1191.5002    631.24  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500   1195.8898    637.35  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583   1200.3224    643.61  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667   1204.7993    650.05  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750   1209.3217    656.65  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833   1213.8907    663.44  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917   1218.5078    670.39  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000   1223.1742    677.57  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083   1227.9004    686.24  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167   1232.7257    700.64  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250   1237.6979    721.97  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333   1242.8534    748.58  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417   1248.1847    774.11  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500   1253.6854    798.70  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583   1259.3577    823.60  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667   1265.2029    848.72  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750   1271.2345    875.79  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833   1277.4834    907.34  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917   1283.9688    941.67  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000   1290.6781    974.19  .    Q    .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083   1297.5813   1002.34  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167   1304.6542   1026.99  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250   1311.8821   1049.50  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333   1319.2578   1070.96  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417   1326.7765   1091.72  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500   1334.4338   1111.84  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583   1342.2220   1130.85  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667   1350.1375   1149.31  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750   1358.1853   1168.55  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833   1366.3821   1190.16  .      Q  .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917   1374.7466   1214.53  .      Q  .       V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000   1383.2974   1241.58  .      Q  .       V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083   1392.0471   1270.46  .      Q  .       V .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167   1401.0115   1301.62  .       Q.        V .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250   1410.2052   1334.93  .       Q.        V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333   1419.6475   1371.01  .       Q.        V .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417   1429.3453   1408.13  .       Q.        V .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500   1439.3098   1446.84  .        Q        V .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583   1449.5538   1487.43  .        Q         V.         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667   1460.0966   1530.80  .        Q         V.         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750   1470.9624   1577.73  .        .Q        V.         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833   1482.1842   1629.41  .        .Q        V.         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917   1493.7961   1686.06  .        .Q        V.         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1505.8396   1748.71  .        . Q       V.         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1518.3463   1815.97  .        . Q        V         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1531.3400   1886.68  .        .  Q       V         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1544.8374   1959.83  .        .  Q       V         .         .
 (PEAK DAY 1, HOUR  15.250)
111.333   1558.8710   2037.67  .        .   Q      V         .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1573.4585   2118.11  .        .   Q      V         .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1588.5654   2193.52  .        .    Q     V         .         .
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 (PEAK DAY 1, HOUR  15.500)
111.583   1604.1382   2261.16  .         .    Q    .V        .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1620.1685   2327.59  .         .     Q   .V        .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1636.7642   2409.70  .         .     Q   .V        .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1654.1077   2518.28  .         .      Q  .V        .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1672.4753   2666.99  .         .       Q . V       .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1692.4430   2899.30  .         .         Q V       .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1715.4513   3340.80  .         .          . VQ     .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1744.2032   4174.78  .         .          .  V     Q.        .
 (PEAK DAY 1, HOUR  16.167)
112.250   1779.0447   5058.98  .         .          .  V      .    Q    .
 (PEAK DAY 1, HOUR  16.250)
112.333   1818.0741   5667.07  .         .          .  V      .        Q.
 (PEAK DAY 1, HOUR  16.333)
112.417   1856.6643   5603.30  .         .          .   V     .        Q.
 (PEAK DAY 1, HOUR  16.417)
112.500   1893.6927   5376.54  .         .          .   V     .      Q  .
 (PEAK DAY 1, HOUR  16.500)
112.583   1928.3112   5026.59  .         .          .    V    .    Q    .
 (PEAK DAY 1, HOUR  16.583)
112.667   1959.0642   4465.34  .         .          .    V    .Q        .
 (PEAK DAY 1, HOUR  16.667)
112.750   1986.1224   3928.85  .         .          .     VQ  .         .
 (PEAK DAY 1, HOUR  16.750)
112.833   2010.6415   3560.16  .         .          .   Q V   .         .
 (PEAK DAY 1, HOUR  16.833)
112.917   2033.4221   3307.76  .         .          .  Q  V   .         .
 (PEAK DAY 1, HOUR  16.917)
113.000   2054.9224   3121.85  .         .          .Q     V  .         .
 (PEAK DAY 1, HOUR  17.000)
113.083   2075.4937   2986.96  .         .          Q      V  .         .
 (PEAK DAY 1, HOUR  17.083)
113.167   2095.3774   2887.14  .         .          Q      V  .         .
 (PEAK DAY 1, HOUR  17.167)
113.250   2114.7043   2806.25  .         .         Q.      V  .         .
 (PEAK DAY 1, HOUR  17.250)
113.333   2133.5239   2732.61  .         .         Q.       V .         .
 (PEAK DAY 1, HOUR  17.333)
113.417   2151.9104   2669.73  .         .        Q .       V .         .
 (PEAK DAY 1, HOUR  17.417)
113.500   2169.9539   2619.92  .         .        Q .       V .         .
 (PEAK DAY 1, HOUR  17.500)
113.583   2187.7300   2581.11  .         .        Q .       V .         .
 (PEAK DAY 1, HOUR  17.583)
113.667   2205.2944   2550.35  .         .      Q  .        V.         .
 (PEAK DAY 1, HOUR  17.667)
113.750   2222.6821   2524.70  .         .      Q  .        V.         .
 (PEAK DAY 1, HOUR  17.750)
113.833   2239.9087   2501.29  .         .      Q  .        V.         .
 (PEAK DAY 1, HOUR  17.833)
113.917   2256.9824   2479.12  .         .      Q  .        V.         .
 (PEAK DAY 1, HOUR  17.917)
114.000   2273.9058   2457.28  .         .      Q  .        V.         .
 (PEAK DAY 1, HOUR  18.000)
114.083   2290.6667   2433.68  .         .      Q  .         V         .
 (PEAK DAY 1, HOUR  18.083)
114.167   2307.2324   2405.32  .         .     Q   .         V         .
 (PEAK DAY 1, HOUR  18.167)
114.250   2323.5635   2371.27  .         .     Q   .         V         .
 (PEAK DAY 1, HOUR  18.250)
114.333   2339.6309   2332.98  .         .      Q  .         V         .
 (PEAK DAY 1, HOUR  18.333)
114.417   2355.4543   2297.56  .         .      Q  .        .V         .
 (PEAK DAY 1, HOUR  18.417)
114.500   2371.0649   2266.67  .         .     Q   .        .V         .
 (PEAK DAY 1, HOUR  18.500)
114.583   2386.4795   2238.19  .         .     Q   .        .V         .
 (PEAK DAY 1, HOUR  18.583)
114.667   2401.7136   2212.00  .         .     Q   .        .V         .
 (PEAK DAY 1, HOUR  18.667)
114.750   2416.7871   2188.67  .         .     Q   .        .V         .
 (PEAK DAY 1, HOUR  18.750)
114.833   2431.7185   2168.04  .         .     Q   .        . V        .
 (PEAK DAY 1, HOUR  18.833)
114.917   2446.5200   2149.18  .         .     Q   .        . V        .
 (PEAK DAY 1, HOUR  18.917)
115.000   2461.1965   2131.03  .         .    Q    .        . V        .
 (PEAK DAY 1, HOUR  19.000)
115.083   2475.7522   2113.49  .         .    Q    .        . V        .
 (PEAK DAY 1, HOUR  19.083)
115.167   2490.1951   2097.12  .         .    Q    .        . V        .
 (PEAK DAY 1, HOUR  19.167)
115.250   2504.5322   2081.75  .         .    Q    .        .  V       .
 (PEAK DAY 1, HOUR  19.250)
115.333   2518.7676   2066.98  .         .    Q    .        .  V       .
 (PEAK DAY 1, HOUR  19.333)
115.417   2532.9055   2052.83  .         .    Q    .        .  V       .
 (PEAK DAY 1, HOUR  19.417)
115.500   2546.9495   2039.19  .         .    Q    .        .  V       .
 (PEAK DAY 1, HOUR  19.500)
115.583   2560.9001   2025.64  .         .    Q    .        .  V       .
 (PEAK DAY 1, HOUR  19.583)
115.667   2574.7515   2011.22  .         .    Q    .        .  V       .
 (PEAK DAY 1, HOUR  19.667)
115.750   2588.4922   1995.14  .         .    Q    .        .   V      .
 (PEAK DAY 1, HOUR  19.750)
115.833   2602.1067   1976.84  .         .  Q      .        .   V      .
 (PEAK DAY 1, HOUR  19.833)
115.917   2615.5823   1956.64  .         .  Q      .        .   V      .
 (PEAK DAY 1, HOUR  19.917)
116.000   2628.9126   1935.55  .         .  Q      .        .   V      .
 (PEAK DAY 1, HOUR  20.000)
116.083   2642.0974   1914.45  .         .  Q      .        .   V      .
 (PEAK DAY 1, HOUR  20.083)
116.167   2655.1382   1893.52  .         .  Q      .        .    V     .
 (PEAK DAY 1, HOUR  20.167)
116.250   2668.0349   1872.62  .         .  Q      .        .    V     .
 (PEAK DAY 1, HOUR  20.250)
116.333   2680.7876   1851.67  .         . Q       .        .    V     .
 (PEAK DAY 1, HOUR  20.333)
116.417   2693.3950   1830.59  .         . Q       .        .    V     .
 (PEAK DAY 1, HOUR  20.417)
116.500   2705.8547   1809.15  .         . Q       .        .    V     .
 (PEAK DAY 1, HOUR  20.500)
116.583   2718.1660   1787.59  .         . Q       .        .    V     .
 (PEAK DAY 1, HOUR  20.583)
116.667   2730.3296   1766.15  .         . Q       .        .     V    .
 (PEAK DAY 1, HOUR  20.667)
116.750   2742.3464   1744.85  .         . Q       .        .     V    .
 (PEAK DAY 1, HOUR  20.750)
116.833   2754.2178   1723.71  .         . Q       .        .     V    .
 (PEAK DAY 1, HOUR  20.833)
116.917   2765.9441   1702.65  .         .Q        .        .     V    .
 (PEAK DAY 1, HOUR  20.917)
117.000   2777.5247   1681.51  .         .Q        .        .     V    .
 (PEAK DAY 1, HOUR  21.000)
117.083   2788.9585   1660.21  .         .Q        .        .     V    .
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(PEAK DAY 1, HOUR 21.083)
117.167 2800.2458 1638.93 . .Q . . V .
(PEAK DAY 1, HOUR 21.167)
117.250 2811.3875 1617.78 . .Q . . V .
(PEAK DAY 1, HOUR 21.250)
117.333 2822.3826 1596.47 . .Q . . V .
(PEAK DAY 1, HOUR 21.333)
117.417 2833.2261 1574.47 . .Q . . V .
(PEAK DAY 1, HOUR 21.417)
117.500 2843.9111 1551.47 . Q . . V .
(PEAK DAY 1, HOUR 21.500)
117.583 2854.4326 1527.74 . Q . . V .
(PEAK DAY 1, HOUR 21.583)
117.667 2864.7856 1503.28 . Q . . V .
(PEAK DAY 1, HOUR 21.667)
117.750 2874.9558 1476.71 . Q . . V .
(PEAK DAY 1, HOUR 21.750)
117.833 2884.9141 1445.94 . Q . . V .
(PEAK DAY 1, HOUR 21.833)
117.917 2894.6277 1410.43 . Q. . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 2904.0730 1371.45 . Q. . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 2913.2358 1330.45 . Q. . . V .
(PEAK DAY 1, HOUR 22.083)
118.167 2922.1067 1288.06 . Q. . . V .
(PEAK DAY 1, HOUR 22.167)
118.250 2930.6711 1243.56 . Q . . . V .
(PEAK DAY 1, HOUR 22.250)
118.333 2938.9041 1195.43 . Q . . . V .
(PEAK DAY 1, HOUR 22.333)
118.417 2946.7559 1140.07 . Q . . . V .
(PEAK DAY 1, HOUR 22.417)
118.500 2954.0591 1060.42 . Q . . . V .
(PEAK DAY 1, HOUR 22.500)
118.583 2960.4131 922.62 . Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 2965.4224 727.34 . Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 2969.2065 549.47 . Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 2972.2954 448.51 . Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 2975.1011 407.38 . Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 2977.7991 391.75 . Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 2980.4490 384.78 . Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 2983.0693 380.49 . Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 2985.6658 377.01 . Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 2988.2402 373.80 . Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 2990.7935 370.72 . Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 2993.3259 367.72 . Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 2995.8381 364.78 . Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 2998.3306 361.90 . Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 3000.8037 359.09 . Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 3003.2578 356.33 . Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 3005.6934 353.63 . Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 3008.1106 350.98 . Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 3010.5029 347.36 . Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 3012.8406 339.41 . Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 3015.0847 325.86 . Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 3017.2014 307.36 . Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 3019.1863 288.21 . Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 3021.0310 267.87 .Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 3022.7266 246.19 .Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 3024.2725 224.45 .Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 3025.6548 200.73 .Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 3026.8386 171.90 .Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 3027.8037 140.12 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 3028.5740 111.86 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 3029.1970 90.46 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 3029.7124 74.83 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 3030.1458 62.93 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 3030.5139 53.45 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 3030.8281 45.64 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 3031.0972 39.07 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 3031.3276 33.48 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 3031.5251 28.69 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 3031.6941 24.51 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 3031.8376 20.86 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 3031.9595 17.68 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 3032.0623 14.94 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 3032.1492 12.62 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 3032.2227 10.68 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 3032.2849 9.03 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 3032.3374 7.63 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 3032.3823 6.54 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 3032.4221 5.78 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 3032.4583 5.25 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 3032.4917 4.86 Q . . . V.

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 (PEAK DAY 1, HOUR  26.667)
 122.750   3032.5227      4.52  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.750)
 122.833   3032.5518      4.21  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.833)
 122.917   3032.5786      3.91  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.917)
 123.000   3032.6035      3.63  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.000)
 123.083   3032.6267      3.36  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.083)
 123.167   3032.6482      3.11  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.167)
 123.250   3032.6680      2.86  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.250)
 123.333   3032.6860      2.61  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.333)
 123.417   3032.7024      2.37  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.417)
 123.500   3032.7170      2.14  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583   3032.7302      1.90  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667   3032.7417      1.67  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750   3032.7517      1.44  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833   3032.7600      1.21  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917   3032.7668      0.98  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.917)
 124.000   3032.7722      0.77  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  FLOW PROCESS FROM NODE   6371.00 TO NODE   6395.00 IS CODE = 5.2
----------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6961.5 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   35.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     220.00
           DOWNSTREAM ELEVATION(FT) =     213.00
           CHANNEL LENGTH(FT) =     959.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  5667.07
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  4093.69
           CHANNEL NORMAL VELOCITY FOR Q =  4093.69 CFS =  10.87 FPS
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           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.865

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.997


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	88.58	88.75	88.75
1	0.083	96.083	88.71	88.68	88.68
1	0.167	96.167	92.27	91.36	91.36
1	0.250	96.250	100.22	98.18	98.18
1	0.333	96.333	112.09	109.04	109.04
1	0.417	96.417	124.51	121.32	121.32
1	0.500	96.500	137.90	134.46	134.46
1	0.583	96.583	152.44	148.70	148.70
1	0.667	96.667	167.22	163.42	163.42
1	0.750	96.750	183.71	179.48	179.48
1	0.833	96.833	204.27	198.99	198.99
1	0.917	96.917	227.31	221.39	221.39
1	1.000	97.000	248.06	242.72	242.72
1	1.083	97.083	263.96	259.87	259.87
1	1.167	97.167	275.80	272.75	272.75
1	1.250	97.250	285.01	282.64	282.64
1	1.333	97.333	292.55	290.61	290.61
1	1.417	97.417	298.94	297.29	297.29
1	1.500	97.500	304.50	303.07	303.07
1	1.583	97.583	309.40	308.14	308.14
1	1.667	97.667	313.77	312.65	312.65
1	1.750	97.750	317.74	316.72	316.72
1	1.833	97.833	321.37	320.44	320.44
1	1.917	97.917	324.70	323.84	323.84
1	2.000	98.000	327.74	326.96	326.96
1	2.083	98.083	330.51	329.79	329.79
1	2.167	98.167	333.03	332.38	332.38
1	2.250	98.250	335.35	334.75	334.75
1	2.333	98.333	337.52	336.96	336.96
1	2.417	98.417	339.49	338.98	338.98
1	2.500	98.500	341.23	340.78	340.78
1	2.583	98.583	342.82	342.41	342.41
1	2.667	98.667	344.33	343.94	343.94
1	2.750	98.750	345.80	345.42	345.42
1	2.833	98.833	347.28	346.90	346.90
1	2.917	98.917	348.76	348.38	348.38
1	3.000	99.000	350.25	349.86	349.86
1	3.083	99.083	351.73	351.35	351.35
1	3.167	99.167	353.23	352.84	352.84
1	3.250	99.250	354.74	354.35	354.35
1	3.333	99.333	356.26	355.87	355.87
1	3.417	99.417	357.79	357.40	357.40
1	3.500	99.500	359.34	358.94	358.94
1	3.583	99.583	360.90	360.50	360.50
1	3.667	99.667	362.48	362.08	362.08
1	3.750	99.750	364.07	363.67	363.67
1	3.833	99.833	365.68	365.27	365.27
1	3.917	99.917	367.30	366.89	366.89
1	4.000	100.000	368.94	368.52	368.52
1	4.083	100.083	370.59	370.17	370.17
1	4.167	100.167	372.25	371.82	371.82
1	4.250	100.250	373.89	373.47	373.47
1	4.333	100.333	375.51	375.09	375.09
1	4.417	100.417	377.11	376.70	376.70
1	4.500	100.500	378.71	378.30	378.30
1	4.583	100.583	380.32	379.90	379.90

1	4.667	100.667	381.94	381.52	381.52
1	4.750	100.750	383.57	383.15	383.15
1	4.833	100.833	385.23	384.80	384.80
1	4.917	100.917	386.90	386.47	386.47
1	5.000	101.000	388.59	388.16	388.16
1	5.083	101.083	390.30	389.86	389.86
1	5.167	101.167	392.03	391.59	391.59
1	5.250	101.250	393.78	393.33	393.33
1	5.333	101.333	395.55	395.10	395.10
1	5.417	101.417	397.34	396.88	396.88
1	5.500	101.500	399.15	398.69	398.69
1	5.583	101.583	400.98	400.51	400.51
1	5.667	101.667	402.84	402.37	402.37
1	5.750	101.750	404.72	404.24	404.24
1	5.833	101.833	406.62	406.13	406.13
1	5.917	101.917	408.55	408.05	408.05
1	6.000	102.000	410.50	410.00	410.00
1	6.083	102.083	412.47	411.96	411.96
1	6.167	102.167	414.47	413.96	413.96
1	6.250	102.250	416.49	415.97	415.97
1	6.333	102.333	418.54	418.01	418.01
1	6.417	102.417	420.62	420.08	420.08
1	6.500	102.500	422.72	422.18	422.18
1	6.583	102.583	424.85	424.30	424.30
1	6.667	102.667	427.01	426.45	426.45
1	6.750	102.750	429.19	428.63	428.63
1	6.833	102.833	431.41	430.84	430.84
1	6.917	102.917	433.66	433.08	433.08
1	7.000	103.000	435.94	435.35	435.35
1	7.083	103.083	438.25	437.65	437.65
1	7.167	103.167	440.59	439.99	439.99
1	7.250	103.250	442.96	442.35	442.35
1	7.333	103.333	445.37	444.75	444.75
1	7.417	103.417	447.81	447.19	447.19
1	7.500	103.500	450.29	449.66	449.66
1	7.583	103.583	452.80	452.16	452.16
1	7.667	103.667	455.36	454.70	454.70
1	7.750	103.750	457.94	457.28	457.28
1	7.833	103.833	460.57	459.90	459.90
1	7.917	103.917	463.24	462.55	462.55
1	8.000	104.000	465.95	465.25	465.25
1	8.083	104.083	468.70	467.99	467.99
1	8.167	104.167	471.49	470.77	470.77
1	8.250	104.250	474.33	473.60	473.60
1	8.333	104.333	477.21	476.47	476.47
1	8.417	104.417	480.13	479.38	479.38
1	8.500	104.500	483.11	482.35	482.35
1	8.583	104.583	486.13	485.36	485.36
1	8.667	104.667	489.21	488.42	488.42
1	8.750	104.750	492.33	491.53	491.53
1	8.833	104.833	495.51	494.69	494.69
1	8.917	104.917	498.74	497.91	497.91
1	9.000	105.000	502.03	501.18	501.18
1	9.083	105.083	505.37	504.51	504.51
1	9.167	105.167	508.78	507.90	507.90
1	9.250	105.250	512.23	511.34	511.34
1	9.333	105.333	515.76	514.86	514.86
1	9.417	105.417	519.35	518.43	518.43
1	9.500	105.500	523.01	522.07	522.07
1	9.583	105.583	526.72	525.77	525.77
1	9.667	105.667	530.52	529.55	529.55
1	9.750	105.750	534.38	533.39	533.39
1	9.833	105.833	538.33	537.32	537.32
1	9.917	105.917	542.34	541.31	541.31
1	10.000	106.000	546.44	545.39	545.39
1	10.083	106.083	550.61	549.54	549.54
1	10.167	106.167	554.88	553.79	553.79
1	10.250	106.250	559.23	558.11	558.11
1	10.333	106.333	563.67	562.53	562.53
1	10.417	106.417	568.20	567.04	567.04
1	10.500	106.500	572.84	571.65	571.65
1	10.583	106.583	577.56	576.35	576.35
1	10.667	106.667	582.40	581.16	581.16
1	10.750	106.750	587.34	586.07	586.07
1	10.833	106.833	592.40	591.10	591.10
1	10.917	106.917	597.56	596.23	596.23
1	11.000	107.000	602.85	601.49	601.49
1	11.083	107.083	608.25	606.86	606.86
1	11.167	107.167	613.80	612.37	612.37
1	11.250	107.250	619.47	618.01	618.01
1	11.333	107.333	625.29	623.79	623.79
1	11.417	107.417	631.24	629.71	629.71
1	11.500	107.500	637.35	635.78	635.78
1	11.583	107.583	643.61	642.00	642.00
1	11.667	107.667	650.05	648.40	648.40
1	11.750	107.750	656.65	654.95	654.95
1	11.833	107.833	663.44	661.69	661.69
1	11.917	107.917	670.39	668.61	668.61
1	12.000	108.000	677.57	675.72	675.72
1	12.083	108.083	686.24	684.01	684.01
1	12.167	108.167	700.64	696.94	696.94
1	12.250	108.250	721.97	716.49	716.49
1	12.333	108.333	748.58	741.75	741.75
1	12.417	108.417	774.11	767.55	767.55
1	12.500	108.500	798.70	792.38	792.38
1	12.583	108.583	823.60	817.20	817.20
1	12.667	108.667	848.72	842.27	842.27
1	12.750	108.750	875.79	868.83	868.83
1	12.833	108.833	907.34	899.24	899.24
1	12.917	108.917	941.67	932.85	932.85
1	13.000	109.000	974.19	965.84	965.84
1	13.083	109.083	1002.34	995.10	995.10
1	13.167	109.167	1026.99	1020.65	1020.65
1	13.250	109.250	1049.50	1043.71	1043.71
1	13.333	109.333	1070.96	1065.45	1065.45
1	13.417	109.417	1091.72	1086.39	1086.39
1	13.500	109.500	1111.84	1106.67	1106.67
1	13.583	109.583	1130.85	1125.96	1125.96
1	13.667	109.667	1149.31	1144.57	1144.57
1	13.750	109.750	1168.55	1163.61	1163.61
1	13.833	109.833	1190.16	1184.61	1184.61
1	13.917	109.917	1214.53	1208.27	1208.27
1	14.000	110.000	1241.58	1234.63	1234.63
1	14.083	110.083	1270.46	1263.04	1263.04
1	14.167	110.167	1301.62	1293.61	1293.61
1	14.250	110.250	1334.93	1326.37	1326.37
1	14.333	110.333	1371.01	1361.74	1361.74
1	14.417	110.417	1408.13	1398.59	1398.59
1	14.500	110.500	1446.84	1436.89	1436.89
1	14.583	110.583	1487.43	1477.00	1477.00
1	14.667	110.667	1530.80	1519.66	1519.66
1	14.750	110.750	1577.73	1565.67	1565.67
1	14.833	110.833	1629.41	1616.14	1616.14
1	14.917	110.917	1686.06	1671.51	1671.51
1	15.000	111.000	1748.71	1732.61	1732.61
1	15.083	111.083	1815.97	1798.69	1798.69
1	15.167	111.167	1886.68	1868.51	1868.51
1	15.250	111.250	1959.83	1941.03	1941.03
1	15.333	111.333	2037.67	2017.67	2017.67
1	15.417	111.417	2118.11	2097.44	2097.44
1	15.500	111.500	2193.52	2174.14	2174.14
1	15.583	111.583	2261.16	2243.78	2243.78
1	15.667	111.667	2327.59	2310.52	2310.52
1	15.750	111.750	2409.70	2388.61	2388.61

1	15.833	111.833	2518.28	2490.40	2490.40
1	15.917	111.917	2666.99	2628.81	2628.81
1	16.000	112.000	2899.30	2839.67	2839.67
1	16.083	112.083	3340.80	3227.51	3227.51
1	16.167	112.167	4174.78	3960.77	3960.77
1	16.250	112.250	5058.98	4831.83	4831.83
1	16.333	112.333	5667.07	5510.63	5510.63
1	16.417	112.417	5603.30	5619.22	5619.22
1	16.500	112.500	5376.54	5434.69	5434.69
1	16.583	112.583	5026.59	5116.42	5116.42
1	16.667	112.667	4465.34	4609.40	4609.40
1	16.750	112.750	3928.85	4066.71	4066.71
1	16.833	112.833	3560.16	3655.00	3655.00
1	16.917	112.917	3307.76	3372.69	3372.69
1	17.000	113.000	3121.85	3169.66	3169.66
1	17.083	113.083	2986.96	3021.66	3021.66
1	17.167	113.167	2887.14	2912.81	2912.81
1	17.250	113.250	2806.25	2827.05	2827.05
1	17.333	113.333	2732.61	2751.53	2751.53
1	17.417	113.417	2669.73	2685.89	2685.89
1	17.500	113.500	2619.92	2632.73	2632.73
1	17.583	113.583	2581.11	2591.09	2591.09
1	17.667	113.667	2550.35	2558.26	2558.26
1	17.750	113.750	2524.70	2531.30	2531.30
1	17.833	113.833	2501.29	2507.31	2507.31
1	17.917	113.917	2479.12	2484.82	2484.82
1	18.000	114.000	2457.28	2462.89	2462.89
1	18.083	114.083	2433.68	2439.74	2439.74
1	18.167	114.167	2405.32	2412.60	2412.60
1	18.250	114.250	2371.27	2380.02	2380.02
1	18.333	114.333	2332.98	2342.82	2342.82
1	18.417	114.417	2297.56	2306.66	2306.66
1	18.500	114.500	2266.67	2274.61	2274.61
1	18.583	114.583	2238.19	2245.51	2245.51
1	18.667	114.667	2212.00	2218.73	2218.73
1	18.750	114.750	2188.67	2194.67	2194.67
1	18.833	114.833	2168.04	2173.34	2173.34
1	18.917	114.917	2149.18	2154.03	2154.03
1	19.000	115.000	2131.03	2135.69	2135.69
1	19.083	115.083	2113.49	2118.00	2118.00
1	19.167	115.167	2097.12	2101.32	2101.32
1	19.250	115.250	2081.75	2085.70	2085.70
1	19.333	115.333	2066.98	2070.77	2070.77
1	19.417	115.417	2052.83	2056.47	2056.47
1	19.500	115.500	2039.19	2042.70	2042.70
1	19.583	115.583	2025.64	2029.12	2029.12
1	19.667	115.667	2011.22	2014.92	2014.92
1	19.750	115.750	1995.14	1999.27	1999.27
1	19.833	115.833	1976.84	1981.54	1981.54
1	19.917	115.917	1956.64	1961.83	1961.83
1	20.000	116.000	1935.55	1940.97	1940.97
1	20.083	116.083	1914.45	1919.87	1919.87
1	20.167	116.167	1893.52	1898.89	1898.89
1	20.250	116.250	1872.62	1877.99	1877.99
1	20.333	116.333	1851.67	1857.06	1857.06
1	20.417	116.417	1830.59	1836.01	1836.01
1	20.500	116.500	1809.15	1814.66	1814.66
1	20.583	116.583	1787.59	1793.13	1793.13
1	20.667	116.667	1766.15	1771.66	1771.66
1	20.750	116.750	1744.85	1750.33	1750.33
1	20.833	116.833	1723.71	1729.14	1729.14
1	20.917	116.917	1702.65	1708.06	1708.06
1	21.000	117.000	1681.51	1686.95	1686.95
1	21.083	117.083	1660.21	1665.68	1665.68
1	21.167	117.167	1638.93	1644.40	1644.40
1	21.250	117.250	1617.78	1623.21	1623.21
1	21.333	117.333	1596.47	1601.95	1601.95
1	21.417	117.417	1574.47	1580.13	1580.13
1	21.500	117.500	1551.47	1557.38	1557.38
1	21.583	117.583	1527.74	1533.84	1533.84
1	21.667	117.667	1503.28	1509.56	1509.56
1	21.750	117.750	1476.71	1483.53	1483.53
1	21.833	117.833	1445.94	1453.85	1453.85
1	21.917	117.917	1410.43	1419.55	1419.55
1	22.000	118.000	1371.45	1381.46	1381.46
1	22.083	118.083	1330.45	1340.98	1340.98
1	22.167	118.167	1288.06	1298.95	1298.95
1	22.250	118.250	1243.56	1254.99	1254.99
1	22.333	118.333	1195.43	1207.80	1207.80
1	22.417	118.417	1140.07	1154.29	1154.29
1	22.500	118.500	1060.42	1080.87	1080.87
1	22.583	118.583	922.62	957.98	957.98
1	22.667	118.667	727.34	777.48	777.48
1	22.750	118.750	549.47	595.18	595.18
1	22.833	118.833	448.51	474.50	474.50
1	22.917	118.917	407.38	417.99	417.99
1	23.000	119.000	391.75	395.78	395.78
1	23.083	119.083	384.78	386.58	386.58
1	23.167	119.167	380.49	381.59	381.59
1	23.250	119.250	377.01	377.91	377.91
1	23.333	119.333	373.80	374.63	374.63
1	23.417	119.417	370.72	371.51	371.51
1	23.500	119.500	367.72	368.49	368.49
1	23.583	119.583	364.78	365.53	365.53
1	23.667	119.667	361.90	362.64	362.64
1	23.750	119.750	359.09	359.81	359.81
1	23.833	119.833	356.33	357.04	357.04
1	23.917	119.917	353.63	354.32	354.32
1	24.000	120.000	350.98	351.66	351.66
1	24.083	120.083	347.36	348.29	348.29
1	24.167	120.167	339.41	341.45	341.45
1	24.250	120.250	325.86	329.34	329.34
1	24.333	120.333	307.36	312.11	312.11
1	24.417	120.417	288.21	293.13	293.13
1	24.500	120.500	267.87	273.10	273.10
1	24.583	120.583	246.19	251.76	251.76
1	24.667	120.667	224.45	230.04	230.04
1	24.750	120.750	200.73	206.82	206.82
1	24.833	120.833	171.90	179.30	179.30
1	24.917	120.917	140.12	148.28	148.28
1	25.000	121.000	111.86	119.12	119.12
1	25.083	121.083	90.46	95.96	95.96
1	25.167	121.167	74.83	78.85	78.85
1	25.250	121.250	62.93	65.99	65.99
1	25.333	121.333	53.45	55.88	55.88
1	25.417	121.417	45.64	47.65	47.65
1	25.500	121.500	39.07	40.76	40.76
1	25.583	121.583	33.48	34.91	34.91
1	25.667	121.667	28.69	29.92	29.92
1	25.750	121.750	24.51	25.59	25.59
1	25.833	121.833	20.86	21.80	21.80
1	25.917	121.917	17.68	18.50	18.50
1	26.000	122.000	14.94	15.64	15.64
1	26.083	122.083	12.62	13.21	13.21
1	26.167	122.167	10.68	11.17	11.17
1	26.250	122.250	9.03	9.45	9.45
1	26.333	122.333	7.63	7.99	7.99
1	26.417	122.417	6.54	6.82	6.82
1	26.500	122.500	5.78	5.97	5.97
1	26.583	122.583	5.25	5.39	5.39
1	26.667	122.667	4.86	4.96	4.96
1	26.750	122.750	4.52	4.60	4.60
1	26.833	122.833	4.21	4.29	4.29
1	26.917	122.917	3.91	3.98	3.98

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  1   27.000 123.000         3.63        3.70        3.70
  1   27.083 123.083         3.36        3.43        3.43
  1   27.167 123.167         3.11        3.17        3.17
  1   27.250 123.250         2.86        2.92        2.92
  1   27.333 123.333         2.61        2.68        2.68
  1   27.417 123.417         2.37        2.44        2.44
  1   27.500 123.500         2.14        2.20        2.20
  1   27.583 123.583         1.90        1.96        1.96
  1   27.667 123.667         1.67        1.73        1.73
  1   27.750 123.750         1.44        1.49        1.49
  1   27.833 123.833         1.21        1.27        1.27
  1   27.917 123.917         0.98        1.04        1.04
  1   28.000 124.000         0.77        0.82        0.82
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   3032.782 AF
    OUTFLOW VOLUME =   3032.782 AF
    LOSS    VOLUME =      0.000 AF
================================================================================



********************************************************************************
  FLOW PROCESS FROM NODE   6380.00 TO NODE   6395.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   329.6 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

     (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     329.600 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.330 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.150|   0.150|   0.150|   0.150|   0.150|
        | LOW LOSS FRACTION |   0.500|   0.750|   0.950|   0.990|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.985
         30-MINUTE FACTOR = 0.985
          1-HOUR FACTOR = 0.985
          3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  25.253


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                        UNIT HYDROGRAPH DETERMINATION

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     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                1.602                63.859
         2                7.797               246.932
         3               21.404               542.405
         4               39.370               716.138
         5               60.064               824.885
         6               75.891               630.876
         7               85.613               387.515
         8               91.167               221.417
         9               94.489               132.407
        10               96.293                71.884
        11               97.026                29.243
        12               97.665                25.478
        13               98.270                24.118
        14               98.850                23.087
        15               98.984                 5.349
        16               99.089                 4.176
        17               99.176                 3.468
        18               99.236                 2.391
        19               99.292                 2.234
        20               99.345                 2.124
        21               99.396                 2.026
        22               99.445                 1.965
        23               99.491                 1.826
        24               99.536                 1.815
        25               99.577                 1.639
        26               99.617                 1.559
        27               99.656                 1.556
        28               99.690                 1.365
        29               99.721                 1.257
        30               99.753                 1.257
        31               99.784                 1.254
        32               99.812                 1.082
        33               99.830                 0.737
        34               99.848                 0.724
        35               99.866                 0.724
        36               99.885                 0.724
        37               99.900                 0.614
        38               99.906                 0.230
        39               99.911                 0.198
        40               99.916                 0.197
        41               99.921                 0.199
        42               99.926                 0.197
        43               99.930                 0.197
        44               99.935                 0.198
        45               99.940                 0.198
        46               99.945                 0.197
        47               99.950                 0.199
        48               99.955                 0.197
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49	99.960	0.197
50	99.965	0.196
51	99.970	0.197
52	99.975	0.197
53	99.980	0.197
54	99.985	0.196
55	99.990	0.197
56	99.995	0.197
57	100.000	0.197
58	100.000	0.013

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 162.7269

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 154.7721

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	200.0	400.0	600.0	800.0
96.000	41.7912	3.86	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	41.8189	4.03	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	41.8518	4.78	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	41.8963	6.45	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	41.9561	8.68	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	42.0337	11.27	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	42.1251	13.26	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	42.2250	14.51	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	42.3300	15.24	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	42.4381	15.70	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	42.5482	15.98	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	42.6592	16.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	42.7712	16.26	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	42.8840	16.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	42.9978	16.51	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	43.1120	16.59	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	43.2267	16.66	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	43.3419	16.73	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	43.4576	16.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	43.5737	16.86	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	43.6902	16.92	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	43.8072	16.99	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	43.9247	17.06	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	44.0426	17.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	44.1610	17.19	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	44.2799	17.26	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	44.3992	17.33	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	44.5190	17.40	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	44.6393	17.46	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	44.7600	17.53	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	44.8812	17.60	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	45.0029	17.67	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	45.1251	17.74	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	45.2478	17.81	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	45.3710	17.88	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	45.4946	17.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	45.6188	18.03	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	45.7434	18.10	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	45.8686	18.17	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	45.9942	18.24	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	46.1204	18.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	46.2470	18.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	46.3742	18.47	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	46.5019	18.54	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	46.6301	18.62	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	46.7589	18.70	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	46.8882	18.77	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	47.0181	18.85	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	47.1484	18.93	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	47.2794	19.01	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	47.4109	19.09	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	47.5430	19.18	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	47.6756	19.26	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	47.8089	19.35	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	47.9427	19.43	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	48.0771	19.52	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	48.2121	19.60	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	48.3477	19.69	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	48.4840	19.78	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	48.6208	19.87	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	48.7583	19.96	Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	48.8964	20.05	.Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
 101.167     49.0351     20.15  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.167)
 101.250     49.1745     20.24  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.250)
 101.333     49.3146     20.34  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.333)
 101.417     49.4553     20.43  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.417)
 101.500     49.5967     20.53  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.500)
 101.583     49.7388     20.63  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.583)
 101.667     49.8815     20.73  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.667)
 101.750     50.0250     20.83  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.750)
 101.833     50.1692     20.93  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.833)
 101.917     50.3140     21.04  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.917)
 102.000     50.4596     21.14  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.000)
 102.083     50.6060     21.25  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.083)
 102.167     50.7531     21.36  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.167)
 102.250     50.9009     21.47  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.250)
 102.333     51.0495     21.58  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.333)
 102.417     51.1989     21.69  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.417)
 102.500     51.3491     21.80  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.500)
 102.583     51.5000     21.92  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.583)
 102.667     51.6518     22.04  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.667)
 102.750     51.8044     22.16  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.750)
 102.833     51.9578     22.28  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.833)
 102.917     52.1121     22.40  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.917)
 103.000     52.2672     22.52  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.000)
 103.083     52.4232     22.65  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.083)
 103.167     52.5800     22.78  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.167)
 103.250     52.7378     22.91  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.250)
 103.333     52.8965     23.04  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.333)
 103.417     53.0560     23.17  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.417)
 103.500     53.2166     23.31  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.500)
 103.583     53.3780     23.44  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.583)
 103.667     53.5404     23.58  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.667)
 103.750     53.7038     23.73  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.750)
 103.833     53.8682     23.87  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.833)
 103.917     54.0336     24.02  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.917)
 104.000     54.2001     24.16  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.000)
 104.083     54.3675     24.32  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.083)
 104.167     54.5361     24.47  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.167)
 104.250     54.7057     24.63  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.250)
 104.333     54.8764     24.78  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.333)
 104.417     55.0482     24.95  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.417)
 104.500     55.2211     25.11  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.500)
 104.583     55.3952     25.28  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.583)
 104.667     55.5705     25.45  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.667)
 104.750     55.7469     25.62  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.750)
 104.833     55.9246     25.80  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.833)
 104.917     56.1035     25.98  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.917)
 105.000     56.2836     26.16  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.000)
 105.083     56.4651     26.35  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.083)
 105.167     56.6478     26.53  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.167)
 105.250     56.8319     26.73  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.250)
 105.333     57.0173     26.92  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
 105.417     57.2041     27.13  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
 105.500     57.3923     27.33  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
 105.583     57.5820     27.54  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
 105.667     57.7731     27.75  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
 105.750     57.9657     27.97  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
 105.833     58.1598     28.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.833)
 105.917     58.3555     28.41  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.917)
 106.000     58.5528     28.64  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.000)
 106.083     58.7517     28.88  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.083)
 106.167     58.9523     29.12  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.167)
 106.250     59.1545     29.37  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.250)
 106.333     59.3585     29.62  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.333)
 106.417     59.5643     29.88  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
 106.500     59.7718     30.14  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
 106.583     59.9813     30.41  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
 106.667     60.1926     30.68  .Q        .    V    .         .         .
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 (PEAK DAY 1, HOUR  10.667)
106.750     60.4058     30.97  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833     60.6211     31.25  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917     60.8384     31.55  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000     61.0578     31.85  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083     61.2793     32.17  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167     61.5030     32.48  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250     61.7290     32.81  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333     61.9573     33.15  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417     62.1880     33.50  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500     62.4211     33.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583     62.6567     34.21  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667     62.8950     34.59  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750     63.1358     34.98  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833     63.3794     35.37  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917     63.6259     35.78  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000     63.8752     36.20  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083     64.1287     36.80  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167     64.3896     37.88  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250     64.6632     39.74  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333     64.9529     42.06  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417     65.2611     44.75  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500     65.5850     47.04  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583     65.9215     48.85  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667     66.2684     50.37  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750     66.6252     51.80  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833     66.9912     53.15  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917     67.3665     54.49  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000     67.7512     55.86  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083     68.1459     57.30  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167     68.5507     58.79  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250     68.9661     60.31  .  Q      .      V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333     69.3921     61.87  .  Q      .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417     69.8296     63.52  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500     70.2787     65.21  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583     70.7402     67.01  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667     71.2144     68.86  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750     71.7022     70.83  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833     72.2041     72.87  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917     72.7209     75.04  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000     73.2533     77.30  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083     73.8026     79.76  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167     74.3704     82.45  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250     74.9596     85.54  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333     75.5717     88.89  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417     76.2090     92.53  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500     76.8715     96.20  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583     77.5600     99.96  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667     78.2749    103.81  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750     79.0182    107.93  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833     79.7914    112.27  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917     80.5973    117.01  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000     81.4383    122.11  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.000)
111.083     82.3183    127.78  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.083)
111.167     83.2408    133.95  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.167)
111.250     84.2112    140.89  .      Q  .         .V        .         .
 (PEAK DAY 1, HOUR  15.250)
111.333     85.2343    148.56  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.333)
111.417     86.3140    156.77  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.417)
111.500     87.4461    164.38  .       Q .         . V       .         .
 (PEAK DAY 1, HOUR  15.500)
111.583     88.6237    170.99  .       Q .         . V       .         .
 (PEAK DAY 1, HOUR  15.583)
111.667     89.8487    177.87  .       Q .         .  V      .         .
 (PEAK DAY 1, HOUR  15.667)
111.750     91.1366    187.00  .        Q.         .  V      .         .
 (PEAK DAY 1, HOUR  15.750)
111.833     92.5291    202.19  .         Q         .  V      .         .
 (PEAK DAY 1, HOUR  15.833)
111.917     94.0982    227.84  .         .Q        .   V     .         .
 (PEAK DAY 1, HOUR  15.917)
112.000     95.9486    268.68  .         .  Q      .   V     .         .
 (PEAK DAY 1, HOUR  16.000)
112.083     98.3970    355.50  .         .     Q   .    V    .         .
 (PEAK DAY 1, HOUR  16.083)
112.167    101.8439    500.50  .         .         .    QV   .         .
 (PEAK DAY 1, HOUR  16.167)
112.250    106.5117    677.76  .         .         .      V  .  Q      .
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(PEAK DAY 1, HOUR  16.250)
112.333    111.8129    769.73  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  16.333)
112.417    117.2284    786.33  .         .         .         V       Q.
(PEAK DAY 1, HOUR  16.417)
112.500    121.6811    646.54  .         .         .         .VQ       .
(PEAK DAY 1, HOUR  16.500)
112.583    124.9948    481.15  .         .         .   Q     . V       .
(PEAK DAY 1, HOUR  16.583)
112.667    127.4627    358.33  .         .      Q  .         . V       .
(PEAK DAY 1, HOUR  16.667)
112.750    129.3967    280.83  .         .   Q     .         .  V      .
(PEAK DAY 1, HOUR  16.750)
112.833    130.9455    224.88  .         .Q        .         .  V      .
(PEAK DAY 1, HOUR  16.833)
112.917    132.2140    184.19  .        Q.         .         .   V     .
(PEAK DAY 1, HOUR  16.917)
113.000    133.3513    165.13  .       Q .         .         .   V     .
(PEAK DAY 1, HOUR  17.000)
113.083    134.3849    150.08  .      Q  .         .         .   V     .
(PEAK DAY 1, HOUR  17.083)
113.167    135.3235    136.28  .     Q   .         .         .   V     .
(PEAK DAY 1, HOUR  17.167)
113.250    136.1315    117.32  .    Q    .         .         .    V    .
(PEAK DAY 1, HOUR  17.250)
113.333    136.8693    107.13  .    Q    .         .         .    V    .
(PEAK DAY 1, HOUR  17.333)
113.417    137.5491     98.70  .   Q     .         .         .    V    .
(PEAK DAY 1, HOUR  17.417)
113.500    138.1786     91.40  .   Q     .         .         .    V    .
(PEAK DAY 1, HOUR  17.500)
113.583    138.7664     85.36  .   Q     .         .         .    V    .
(PEAK DAY 1, HOUR  17.583)
113.667    139.3183     80.13  .   Q     .         .         .     V   .
(PEAK DAY 1, HOUR  17.667)
113.750    139.8382     75.50  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  17.750)
113.833    140.3296     71.35  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  17.833)
113.917    140.7949     67.57  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  17.917)
114.000    141.2367     64.15  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.000)
114.083    141.6554     60.80  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.083)
114.167    142.0503     57.33  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.167)
114.250    142.4188     53.51  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.250)
114.333    142.7600     49.55  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.333)
114.417    143.0749     45.72  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.417)
114.500    143.3691     42.72  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  18.500)
114.583    143.6481     40.51  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  18.583)
114.667    143.9151     38.78  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.667)
114.750    144.1721     37.31  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.750)
114.833    144.4216     36.23  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.833)
114.917    144.6648     35.31  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.917)
115.000    144.9020     34.45  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.000)
115.083    145.1332     33.56  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.083)
115.167    145.3579     32.63  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.167)
115.250    145.5779     31.94  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.250)
115.333    145.7936     31.32  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.333)
115.417    146.0053     30.74  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.417)
115.500    146.2132     30.18  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.500)
115.583    146.4174     29.65  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.583)
115.667    146.6181     29.15  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.667)
115.750    146.8156     28.67  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.750)
115.833    147.0098     28.20  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.833)
115.917    147.2010     27.76  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  19.917)
116.000    147.3893     27.34  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.000)
116.083    147.5748     26.93  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.083)
116.167    147.7575     26.54  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.167)
116.250    147.9377     26.16  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.250)
116.333    148.1153     25.80  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.333)
116.417    148.2906     25.44  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.417)
116.500    148.4634     25.10  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.500)
116.583    148.6340     24.76  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.583)
116.667    148.8022     24.43  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.667)
116.750    148.9682     24.10  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.750)
116.833    149.1315     23.71  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.833)
116.917    149.2927     23.41  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.917)
117.000    149.4519     23.12  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.000)
117.083    149.6093     22.85  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.083)
117.167    149.7649     22.59  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.167)
117.250    149.9187     22.34  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.250)
117.333    150.0708     22.09  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.333)
117.417    150.2213     21.85  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.417)
117.500    150.3702     21.62  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.500)
117.583    150.5176     21.40  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.583)
117.667    150.6634     21.18  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.667)
117.750    150.8078     20.96  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.750)
117.833    150.9508     20.76  .Q        .         .         .        V.
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(PEAK DAY 1, HOUR 21.833)
117.917 151.0923 20.56 .Q . . . V.
(PEAK DAY 1, HOUR 21.917)
118.000 151.2325 20.36 .Q . . . V.
(PEAK DAY 1, HOUR 22.000)
118.083 151.3714 20.17 .Q . . . V.
(PEAK DAY 1, HOUR 22.083)
118.167 151.5090 19.98 Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 151.6454 19.80 Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 151.7805 19.62 Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 151.9144 19.45 Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 152.0472 19.28 Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 152.1788 19.11 Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 152.3093 18.95 Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 152.4387 18.79 Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 152.5670 18.63 Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 152.6943 18.48 Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 152.8205 18.33 Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 152.9458 18.19 Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 153.0701 18.05 Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 153.1934 17.91 Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 153.3158 17.77 Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 153.4372 17.64 Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 153.5578 17.50 Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 153.6774 17.38 Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 153.7962 17.25 Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 153.9142 17.12 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 154.0313 17.00 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 154.1475 16.88 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 154.2630 16.77 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 154.3759 16.39 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 154.4811 15.28 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 154.5705 12.98 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 154.6393 9.99 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 154.6846 6.58 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 154.7121 3.98 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 154.7285 2.38 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 154.7386 1.47 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 154.7450 0.92 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 154.7493 0.63 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 154.7528 0.50 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 154.7555 0.40 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 154.7576 0.30 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 154.7589 0.20 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 154.7602 0.18 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 154.7613 0.16 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 154.7623 0.14 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 154.7632 0.13 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 154.7640 0.12 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 154.7648 0.11 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 154.7655 0.11 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 154.7662 0.10 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 154.7668 0.09 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 154.7674 0.08 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 154.7679 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 154.7683 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 154.7688 0.06 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 154.7691 0.05 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 154.7695 0.05 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 154.7697 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 154.7700 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 154.7702 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 154.7704 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 154.7706 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 154.7708 0.02 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 154.7709 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 154.7710 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 154.7711 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 154.7712 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 154.7713 0.01 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 154.7714 0.01 Q . . . V.

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 (PEAK DAY 1, HOUR  27.417)
 123.500    154.7715      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583    154.7716      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667    154.7717      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750    154.7718      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833    154.7718      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.833)
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********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  7291.1 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  7291.1 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
         (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1625.0    3250.0    4875.0    6500.0
--------------------------------------------------------------------------------
  96.000    848.2297     92.61  Q          V          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    848.8682     92.71  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    849.5303     96.13  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    850.2509    104.64  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    851.0617    117.73  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    851.9749    132.59  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    852.9922    147.72  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    854.1163    163.21  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    855.3467    178.67  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    856.6910    195.18  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    858.1714    214.97  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    859.8072    237.51  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    861.5908    258.98  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    863.4935    276.26  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    865.4857    289.27  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    867.5464    299.23  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    869.6626    307.27  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    871.8253    314.02  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    874.0281    319.86  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    876.2664    324.99  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    878.5362    329.57  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    880.8345    333.71  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    883.1588    337.49  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    885.5071    340.97  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    887.8773    344.15  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    890.2675    347.05  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    892.6759    349.70  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    895.1012    352.15  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    897.5422    354.43  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    899.9975    356.52  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    902.4657    358.39  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    904.9456    360.08  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    907.4365    361.68  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    909.9382    363.24  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    912.4504    364.78  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    914.9734    366.33  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    917.5071    367.89  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    920.0515    369.45  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    922.6067    371.02  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    925.1727    372.59  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    927.7498    374.18  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    930.3378    375.79  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    932.9371    377.41  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    935.5475    379.04  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    938.1694    380.70  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.667)
  99.750    940.8028    382.36  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.750)
  99.833    943.4478    384.04  . Q        .V         .          .          .
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(PEAK DAY 1, HOUR   3.833)
 99.917    946.1044    385.74  . Q       .V        .         .         .
(PEAK DAY 1, HOUR   3.917)
100.000    948.7728    387.45  . Q       .V        .         .         .
(PEAK DAY 1, HOUR   4.000)
100.083    951.4531    389.18  . Q       .V        .         .         .
(PEAK DAY 1, HOUR   4.083)
100.167    954.1453    390.91  . Q       .V        .         .         .
(PEAK DAY 1, HOUR   4.167)
100.250    956.8495    392.64  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.250)
100.333    959.5654    394.36  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.333)
100.417    962.2930    396.05  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.417)
100.500    965.0322    397.73  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.500)
100.583    967.7831    399.42  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.583)
100.667    970.5457    401.12  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.667)
100.750    973.3201    402.84  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.750)
100.833    976.1064    404.58  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.833)
100.917    978.9049    406.34  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.917)
101.000    981.7156    408.12  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.000)
101.083    984.5388    409.91  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.083)
101.167    987.3744    411.73  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250    990.2227    413.57  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333    993.0837    415.43  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417    995.9578    417.31  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500    998.8449    419.22  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583   1001.7454    421.14  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667   1004.6592    423.09  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750   1007.5867    425.07  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833   1010.5280    427.07  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917   1013.4831    429.09  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000   1016.4524    431.14  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083   1019.4360    433.21  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167   1022.4340    435.31  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250   1025.4467    437.44  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333   1028.4741    439.59  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417   1031.5166    441.77  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500   1034.5743    443.98  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583   1037.6475    446.22  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667   1040.7362    448.49  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750   1043.8408    450.79  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833   1046.9614    453.12  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917   1050.0984    455.48  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000   1053.2518    457.88  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083   1056.4220    460.30  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167   1059.6091    462.76  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250   1062.8134    465.26  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333   1066.0350    467.79  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417   1069.2744    470.36  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500   1072.5317    472.96  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583   1075.8073    475.60  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667   1079.1012    478.29  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750   1082.4139    481.01  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833   1085.7457    483.77  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917   1089.0968    486.57  . Q       .  V      .         .         .
(PEAK DAY 1, HOUR   7.917)
104.000   1092.4674    489.42  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083   1095.8579    492.31  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167   1099.2687    495.24  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250   1102.7000    498.22  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333   1106.1521    501.25  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417   1109.6255    504.33  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500   1113.1204    507.46  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583   1116.6371    510.64  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667   1120.1761    513.87  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750   1123.7378    517.15  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833   1127.3224    520.49  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917   1130.9304    523.89  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000   1134.5623    527.34  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083   1138.2183    530.86  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167   1141.8989    534.43  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250   1145.6046    538.07  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333   1149.3358    541.78  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417   1153.0930    545.55  .  Q      .   V     .         .         .
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 (PEAK DAY 1, HOUR   9.417)
105.500   1156.8767    549.39  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583   1160.6874    553.31  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667   1164.5255    557.30  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750   1168.3916    561.36  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833   1172.2863    565.50  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917   1176.2100    569.72  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000   1180.1633    574.03  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083   1184.1470    578.42  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167   1188.1615    582.91  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250   1192.2075    587.48  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333   1196.2856    592.15  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417   1200.3966    596.91  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500   1204.5411    601.78  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583   1208.7198    606.76  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667   1212.9336    611.84  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750   1217.1831    617.04  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833   1221.4692    622.35  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917   1225.7928    627.78  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000   1230.1547    633.34  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083   1234.5557    639.03  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167   1238.9968    644.86  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250   1243.4791    650.82  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333   1248.0035    656.94  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417   1252.5710    663.20  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500   1257.1829    669.63  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583   1261.8400    676.22  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667   1266.5437    682.99  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750   1271.2953    689.93  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833   1276.0959    697.06  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917   1280.9471    704.39  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000   1285.8502    711.93  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083   1290.8145    720.81  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167   1295.8752    734.82  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250   1301.0834    756.23  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333   1306.4816    783.81  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417   1312.0759    812.30  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500   1317.8571    839.42  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583   1323.8217    866.06  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667   1329.9694    892.64  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750   1336.3098    920.64  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833   1342.8690    952.39  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917   1349.6689    987.34  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000   1356.7054   1021.69  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083   1363.9534   1052.41  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167   1371.3875   1079.44  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250   1378.9908   1104.02  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333   1386.7548   1127.31  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417   1394.6742   1149.90  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500   1402.7450   1171.88  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583   1410.9611   1192.97  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667   1419.3180   1213.43  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750   1427.8197   1234.44  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833   1436.4801   1257.48  .      Q  .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917   1445.3184   1283.32  .      Q  .       V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000   1454.3536   1311.93  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083   1463.6016   1342.80  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167   1473.0786   1376.06  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250   1482.8025   1411.92  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333   1492.7931   1450.63  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417   1503.0625   1491.12  .       Q.        V .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500   1513.6210   1533.09  .       Q.        V .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583   1524.4817   1576.97  .       Q.         V.         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667   1535.6626   1623.47  .       Q.         V.         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750   1547.1887   1673.60  .        Q         V.         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833   1559.0923   1728.40  .        Q         V.         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917   1571.4099   1788.52  .        .Q        V.         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1584.1835   1854.72  .        .Q        V.         .         .
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(PEAK DAY 1, HOUR 15.000)
111.083 1597.4512 1926.48 . .Q V . .
(PEAK DAY 1, HOUR 15.083)
111.167 1611.2422 2002.46 . . Q V . .
(PEAK DAY 1, HOUR 15.167)
111.250 1625.5806 2081.93 . . Q V . .
(PEAK DAY 1, HOUR 15.250)
111.333 1640.4995 2166.23 . . Q V . .
(PEAK DAY 1, HOUR 15.333)
111.417 1656.0244 2254.22 . . Q V . .
(PEAK DAY 1, HOUR 15.417)
111.500 1672.1300 2338.52 . . Q V . .
(PEAK DAY 1, HOUR 15.500)
111.583 1688.7606 2414.77 . . Q .V . .
(PEAK DAY 1, HOUR 15.583)
111.667 1705.8983 2488.39 . . Q .V . .
(PEAK DAY 1, HOUR 15.667)
111.750 1723.6367 2575.61 . . Q .V . .
(PEAK DAY 1, HOUR 15.750)
111.833 1742.1808 2692.59 . . Q .V . .
(PEAK DAY 1, HOUR 15.833)
111.917 1761.8546 2856.64 . . Q . V . .
(PEAK DAY 1, HOUR 15.917)
112.000 1783.2620 3108.35 . . Q. V . .
(PEAK DAY 1, HOUR 16.000)
112.083 1807.9384 3583.01 . . . Q . .
(PEAK DAY 1, HOUR 16.083)
112.167 1838.6633 4461.27 . . . V Q . .
(PEAK DAY 1, HOUR 16.167)
112.250 1876.6082 5509.59 . . . V . Q .
(PEAK DAY 1, HOUR 16.250)
112.333 1919.8613 6280.37 . . . V . Q .
(PEAK DAY 1, HOUR 16.333)
112.417 1963.9767 6405.55 . . . V . Q.
(PEAK DAY 1, HOUR 16.417)
112.500 2005.8584 6081.22 . . . V . Q .
(PEAK DAY 1, HOUR 16.500)
112.583 2044.4092 5597.57 . . . V . Q .
(PEAK DAY 1, HOUR 16.583)
112.667 2078.6221 4967.73 . . . V Q .
(PEAK DAY 1, HOUR 16.667)
112.750 2108.5637 4347.53 . . . Q . .
(PEAK DAY 1, HOUR 16.750)
112.833 2135.2847 3879.88 . . . Q V . .
(PEAK DAY 1, HOUR 16.833)
112.917 2159.7810 3556.88 . . .Q V . .
(PEAK DAY 1, HOUR 16.917)
113.000 2182.7480 3334.80 . . Q V . .
(PEAK DAY 1, HOUR 17.000)
113.083 2204.5920 3171.73 . . Q. V . .
(PEAK DAY 1, HOUR 17.083)
113.167 2225.5913 3049.09 . . Q . V . .
(PEAK DAY 1, HOUR 17.167)
113.250 2245.8694 2944.37 . . Q . V . .
(PEAK DAY 1, HOUR 17.250)
113.333 2265.5571 2858.67 . . Q . V . .
(PEAK DAY 1, HOUR 17.333)
113.417 2284.7349 2784.60 . . Q . V . .
(PEAK DAY 1, HOUR 17.417)
113.500 2303.4961 2724.13 . . Q . V . .
(PEAK DAY 1, HOUR 17.500)
113.583 2321.9290 2676.45 . . Q . V. .
(PEAK DAY 1, HOUR 17.583)
113.667 2340.0996 2638.39 . . Q . V. .
(PEAK DAY 1, HOUR 17.667)
113.750 2358.0527 2606.79 . . Q . V. .
(PEAK DAY 1, HOUR 17.750)
113.833 2375.8120 2578.65 . . Q . V. .
(PEAK DAY 1, HOUR 17.833)
113.917 2393.3904 2552.38 . . Q . V .
(PEAK DAY 1, HOUR 17.917)
114.000 2410.7942 2527.04 . . Q . V .
(PEAK DAY 1, HOUR 18.000)
114.083 2428.0156 2500.54 . . Q . V .
(PEAK DAY 1, HOUR 18.083)
114.167 2445.0261 2469.93 . . Q . V .
(PEAK DAY 1, HOUR 18.167)
114.250 2461.7859 2433.53 . . Q . V .
(PEAK DAY 1, HOUR 18.250)
114.333 2478.2622 2392.37 . . Q . .V .
(PEAK DAY 1, HOUR 18.333)
114.417 2494.4631 2352.38 . . Q . .V .
(PEAK DAY 1, HOUR 18.417)
114.500 2510.4226 2317.32 . . Q . .V .
(PEAK DAY 1, HOUR 18.500)
114.583 2526.1665 2286.02 . . Q . .V .
(PEAK DAY 1, HOUR 18.583)
114.667 2541.7141 2257.51 . . Q . .V .
(PEAK DAY 1, HOUR 18.667)
114.750 2557.0859 2231.98 . . Q . . V .
(PEAK DAY 1, HOUR 18.750)
114.833 2572.3035 2209.57 . . Q . . V .
(PEAK DAY 1, HOUR 18.833)
114.917 2587.3816 2189.34 . . Q . . V .
(PEAK DAY 1, HOUR 18.917)
115.000 2602.3274 2170.14 . . Q . . V .
(PEAK DAY 1, HOUR 19.000)
115.083 2617.1453 2151.56 . . Q . . V .
(PEAK DAY 1, HOUR 19.083)
115.167 2631.8420 2133.96 . . Q . . V .
(PEAK DAY 1, HOUR 19.167)
115.250 2646.4263 2117.64 . . Q . . V .
(PEAK DAY 1, HOUR 19.250)
115.333 2660.9036 2102.10 . . Q . . V .
(PEAK DAY 1, HOUR 19.333)
115.417 2675.2783 2087.20 . . Q . . V .
(PEAK DAY 1, HOUR 19.417)
115.500 2689.5542 2072.88 . . Q . . V .
(PEAK DAY 1, HOUR 19.500)
115.583 2703.7332 2058.77 . . Q . . V .
(PEAK DAY 1, HOUR 19.583)
115.667 2717.8108 2044.07 . . Q . . V .
(PEAK DAY 1, HOUR 19.667)
115.750 2731.7773 2027.94 . . Q . . V .
(PEAK DAY 1, HOUR 19.750)
115.833 2745.6187 2009.74 . . Q . . V .
(PEAK DAY 1, HOUR 19.833)
115.917 2759.3210 1989.59 . . Q . . V .
(PEAK DAY 1, HOUR 19.917)
116.000 2772.8770 1968.31 . . Q . . V .
(PEAK DAY 1, HOUR 20.000)
116.083 2786.2847 1946.80 . .Q . . V .
(PEAK DAY 1, HOUR 20.083)
116.167 2799.5452 1925.43 . .Q . . V .
(PEAK DAY 1, HOUR 20.167)
116.250 2812.6592 1904.15 . .Q . . V .
(PEAK DAY 1, HOUR 20.250)
116.333 2825.6265 1882.85 . .Q . . V .
(PEAK DAY 1, HOUR 20.333)
116.417 2838.4463 1861.45 . .Q . . V .
(PEAK DAY 1, HOUR 20.417)
116.500 2851.1167 1839.76 . .Q . . V .
(PEAK DAY 1, HOUR 20.500)
116.583 2863.6367 1817.89 . .Q . . V .

(PEAK DAY 1, HOUR 20.583)
116.667 2876.0066 1796.09 . .Q . . V .
(PEAK DAY 1, HOUR 20.667)
116.750 2888.2271 1774.43 . Q . . V .
(PEAK DAY 1, HOUR 20.750)
116.833 2900.2991 1752.85 . Q . . V .
(PEAK DAY 1, HOUR 20.833)
116.917 2912.2239 1731.47 . Q . . V .
(PEAK DAY 1, HOUR 20.917)
117.000 2924.0012 1710.07 . Q . . V .
(PEAK DAY 1, HOUR 21.000)
117.083 2935.6301 1688.53 . Q . . V .
(PEAK DAY 1, HOUR 21.083)
117.167 2947.1108 1666.99 . Q . . V .
(PEAK DAY 1, HOUR 21.167)
117.250 2958.4438 1645.55 . Q . . V .
(PEAK DAY 1, HOUR 21.250)
117.333 2969.6287 1624.04 . Q. . . V .
(PEAK DAY 1, HOUR 21.333)
117.417 2980.6616 1601.98 . Q. . . V .
(PEAK DAY 1, HOUR 21.417)
117.500 2991.5364 1579.00 . Q. . . V .
(PEAK DAY 1, HOUR 21.500)
117.583 3002.2473 1555.23 . Q. . . V .
(PEAK DAY 1, HOUR 21.583)
117.667 3012.7896 1530.74 . Q. . . V .
(PEAK DAY 1, HOUR 21.667)
117.750 3023.1511 1504.50 . Q. . . V .
(PEAK DAY 1, HOUR 21.750)
117.833 3033.3069 1474.60 . Q. . . V .
(PEAK DAY 1, HOUR 21.833)
117.917 3043.2251 1440.11 . Q . . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 3052.8796 1401.82 . Q . . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 3062.2539 1361.15 . Q . . . V .
(PEAK DAY 1, HOUR 22.083)
118.167 3071.3374 1318.93 . Q . . . V .
(PEAK DAY 1, HOUR 22.167)
118.250 3080.1169 1274.79 . Q . . . V .
(PEAK DAY 1, HOUR 22.250)
118.333 3088.5703 1227.42 . Q . . . V .
(PEAK DAY 1, HOUR 22.333)
118.417 3096.6538 1173.74 . Q . . . V .
(PEAK DAY 1, HOUR 22.417)
118.500 3104.2305 1100.14 . Q . . . V .
(PEAK DAY 1, HOUR 22.500)
118.583 3110.9597 977.09 . Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 3116.4448 796.42 . Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 3120.6733 613.97 . Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 3124.0696 493.14 . Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 3127.0754 436.47 . Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 3129.9275 414.11 . Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 3132.7151 404.76 . Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 3135.4675 399.64 . Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 3138.1936 395.81 . Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 3140.8960 392.40 . Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 3143.5762 389.15 . Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 3146.2346 385.99 . Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 3148.8718 382.91 . Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 3151.4883 379.89 . Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 3154.0842 376.94 . Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 3156.6602 374.04 . Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 3159.2166 371.21 . Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 3161.7539 368.42 . Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 3164.2654 364.68 . Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 3166.7222 356.73 . Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 3169.0798 342.32 . Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 3171.2981 322.10 .Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 3173.3623 299.71 .Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 3175.2705 277.08 .Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 3177.0208 254.15 .Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 3178.6152 231.51 .Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 3180.0459 207.75 .Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 3181.2852 179.93 .Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 3182.3098 148.79 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 3183.1331 119.52 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 3183.7959 96.26 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 3184.3403 79.05 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 3184.7959 66.16 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 3185.1819 56.04 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 3185.5110 47.79 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 3185.7925 40.89 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 3186.0337 35.04 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 3186.2405 30.03 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 3186.4175 25.69 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 3186.5684 21.89 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 3186.6963 18.58 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 3186.8047 15.72 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 3186.8962 13.29 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 3186.9736 11.24 Q . . . V.

```
 (PEAK DAY 1, HOUR  26.167)
122.250   3187.0391      9.51  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.250)
122.333   3187.0945      8.04  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.333)
122.417   3187.1418      6.87  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.417)
122.500   3187.1833      6.02  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.500)
122.583   3187.2207      5.42  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.583)
122.667   3187.2551      4.99  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.667)
122.750   3187.2871      4.63  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.750)
122.833   3187.3169      4.31  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.833)
122.917   3187.3445      4.01  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  26.917)
123.000   3187.3701      3.72  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.000)
123.083   3187.3938      3.45  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.083)
123.167   3187.4158      3.19  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.167)
123.250   3187.4360      2.94  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.250)
123.333   3187.4546      2.69  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.333)
123.417   3187.4714      2.45  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.417)
123.500   3187.4866      2.21  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
123.583   3187.5002      1.97  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
123.667   3187.5122      1.74  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
123.750   3187.5225      1.50  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
123.833   3187.5312      1.28  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
123.917   3187.5386      1.05  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.917)
124.000   3187.5442      0.83  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
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**************************************************************************

             F L O O D    R O U T I N G    A N A L Y S I S
             USING COUNTY HYDROLOGY MANUAL OF ORANGE(1986)
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                         Analysis prepared by:

                          Huitt - Zollars, Inc.
                         430 Exchange, Suite 200
                          Irvine, CA. 92602-1309
                             714 - 734 - 5100

--------------------------------------------------------------------------
  FILE NAME: CP63CHS6.FLD
  TIME/DATE OF STUDY: 13:21 04/01/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    780.00 IS CODE =   1
--------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  4741.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
==========================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

        WATERSHED AREA =    4741.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.480 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  1.000
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.190|   0.190|   0.190|   0.190|   0.190|
        | LOW LOSS FRACTION |   0.550|   0.750|   0.900|   0.970|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.793
         30-MINUTE FACTOR = 0.793
          1-HOUR FACTOR = 0.793
          3-HOUR FACTOR = 0.969
          6-HOUR FACTOR = 0.984
         24-HOUR FACTOR = 0.990

          UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
          UNIT INTERVAL PERCENTAGE OF LAG-TIME =  17.361


          RUNOFF HYDROGRAPH LISTING LIMITS:
          MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
          MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


==========================================================================
                        UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------
         1                1.137               652.130
         2                4.082              1688.625
         3                8.525              2547.514
         4               14.577              3470.279
         5               24.203              5519.575
         6               43.203             10894.611
         7               57.937              8448.228
         8               65.484              4327.674
         9               70.911              3111.621
        10               75.443              2599.076
        11               78.982              2029.171
        12               82.133              1806.516
        13               84.749              1499.854
        14               87.075              1334.078
        15               88.974              1088.566
        16               90.645               958.165
        17               92.163               870.854
        18               93.467               747.418
        19               94.550               621.273
        20               95.489               538.119
        21               96.255               439.106
        22               96.815               321.374
        23               97.375               321.055
        24               97.900               301.316
        25               98.079               102.631
        26               98.169                51.477
        27               98.259                51.411
        28               98.349                51.608
        29               98.439                51.604
        30               98.528                51.219
        31               98.618                51.477
        32               98.708                51.477
        33               98.798                51.608
        34               98.887                51.346
        35               98.977                51.608
        36               99.067                51.604
        37               99.157                51.604
        38               99.247                51.604
        39               99.337                51.604
        40               99.427                51.604
        41               99.517                51.604
        42               99.607                51.604
        43               99.697                51.604
        44               99.787                51.604
        45               99.877                51.604
        46               99.967                51.604
        47              100.000                18.785


--------------------------------------------------------------------------
    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =    2535.6968
```

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 1991.0461

5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	2025.0	4050.0	6075.0	8100.0
96.000	524.3721	57.05	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	524.7745	58.43	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	525.2059	62.64	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	525.6828	69.24	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	526.2228	78.41	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	526.8649	93.23	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	527.7108	122.82	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	528.7158	145.93	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	529.8037	157.97	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	530.9523	166.77	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	532.1523	174.25	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	533.3935	180.21	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	534.6719	185.62	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	535.9819	190.22	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	537.3209	194.42	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	538.6843	197.97	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	540.0699	201.20	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	541.4763	204.20	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	542.9012	206.90	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	544.3423	209.26	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	545.7985	211.43	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	547.2676	213.33	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	548.7479	214.94	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	550.2393	216.54	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	551.7415	218.12	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	553.2509	219.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	554.7665	220.08	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	556.2885	220.99	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	557.8170	221.93	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	559.3518	222.86	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	560.8932	223.82	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	562.4412	224.77	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	563.9959	225.74	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	565.5573	226.71	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	567.1254	227.70	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	568.7004	228.68	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	570.2823	229.69	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	571.8711	230.70	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	573.4670	231.73	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	575.0699	232.75	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	576.6802	233.80	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	578.2975	234.84	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	579.9223	235.92	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	581.5544	236.98	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	583.1940	238.07	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	584.8411	239.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	586.4959	240.27	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	588.1577	241.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	589.8264	242.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	591.5018	243.27	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	593.1842	244.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	594.8736	245.30	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	596.5702	246.34	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	598.2739	247.37	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	599.9849	248.44	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	601.7031	249.49	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	603.4288	250.58	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	605.1620	251.66	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	606.9028	252.77	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	608.6512	253.87	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	610.4075	255.01	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	612.1716	256.14	.Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
 101.167    613.9436    257.30  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.167)
 101.250    615.7236    258.46  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.250)
 101.333    617.5119    259.65  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.333)
 101.417    619.3083    260.84  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.417)
 101.500    621.1131    262.06  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.500)
 101.583    622.9263    263.27  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.583)
 101.667    624.7480    264.52  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.667)
 101.750    626.5784    265.76  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.750)
 101.833    628.4175    267.05  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.833)
 101.917    630.2655    268.32  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.917)
 102.000    632.1225    269.64  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.000)
 102.083    633.9885    270.94  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.083)
 102.167    635.8638    272.29  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.167)
 102.250    637.7483    273.63  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.250)
 102.333    639.6423    275.02  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.333)
 102.417    641.5458    276.39  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.417)
 102.500    643.4592    277.81  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.500)
 102.583    645.3822    279.23  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.583)
 102.667    647.3153    280.69  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.667)
 102.750    649.2584    282.14  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.750)
 102.833    651.2119    283.64  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.833)
 102.917    653.1755    285.13  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.917)
 103.000    655.1499    286.67  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.000)
 103.083    657.1348    288.21  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.083)
 103.167    659.1306    289.79  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.167)
 103.250    661.1373    291.37  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.250)
 103.333    663.1552    293.00  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.333)
 103.417    665.1843    294.63  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.417)
 103.500    667.2250    296.31  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.500)
 103.583    669.2772    297.98  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.583)
 103.667    671.3414    299.71  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.667)
 103.750    673.4174    301.43  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.750)
 103.833    675.5057    303.22  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.833)
 103.917    677.6062    305.00  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.917)
 104.000    679.7194    306.84  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.000)
 104.083    681.8453    308.67  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.083)
 104.167    683.9842    310.57  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.167)
 104.250    686.1362    312.46  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.250)
 104.333    688.3016    314.43  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.333)
 104.417    690.4805    316.38  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.417)
 104.500    692.6734    318.41  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.500)
 104.583    694.8802    320.42  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.583)
 104.667    697.1014    322.52  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.667)
 104.750    699.3370    324.61  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.750)
 104.833    701.5876    326.78  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.833)
 104.917    703.8530    328.94  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.917)
 105.000    706.1339    331.18  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.000)
 105.083    708.4301    333.42  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.083)
 105.167    710.7424    335.75  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.167)
 105.250    713.0707    338.07  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.250)
 105.333    715.4156    340.48  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
 105.417    717.7772    342.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
 105.500    720.1559    345.39  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
 105.583    722.5518    347.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
 105.667    724.9657    350.49  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
 105.750    727.3975    353.09  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
 105.833    729.8478    355.80  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
 105.917    732.3168    358.50  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
 106.000    734.8052    361.31  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
 106.083    737.3130    364.13  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
 106.167    739.8409    367.06  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
 106.250    742.3892    370.00  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
 106.333    744.9584    373.06  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
 106.417    747.5488    376.12  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
 106.500    750.1611    379.32  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
 106.583    752.7955    382.51  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
 106.667    755.4529    385.85  .Q        .    V    .         .         .
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 (PEAK DAY 1, HOUR  10.667)
106.750    758.1334    389.20  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    760.8378    392.69  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    763.5665    396.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    766.3203    399.86  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    769.0995    403.53  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    771.9052    407.38  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    774.7374    411.24  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    777.5974    415.28  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    780.4854    419.34  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    783.4028    423.60  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    786.3495    427.88  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    789.3273    432.36  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    792.3361    436.88  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    795.3776    441.62  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    798.4520    446.40  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    801.5609    451.42  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    804.7167    458.21  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    807.9401    468.03  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    811.2471    480.19  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    814.6569    495.10  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    818.2075    515.54  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    821.9995    550.61  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    825.9893    579.32  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    830.1044    597.50  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    834.3231    612.56  .  Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    838.6390    626.67  .  Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    843.0424    639.37  .  Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    847.5322    651.92  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    852.1049    663.96  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    856.7635    676.43  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    861.5088    689.01  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    866.3477    702.61  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    871.2896    717.55  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    876.3552    735.54  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    881.5556    755.09  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    886.9045    776.66  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    892.4076    799.06  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    898.0772    823.23  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    903.9202    848.40  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    909.9514    875.72  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    916.2261    911.09  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    922.8422    960.67  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    929.8752   1021.19  .    Q     .       V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    937.4159   1094.90  .    Q     .       V .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    945.6345   1193.34  .    Q     .       V .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    954.9769   1356.53  .     Q    .        V.         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    965.2540   1492.23  .      Q   .        V.         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    976.1564   1583.02  .      Q   .        V.         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    987.5969   1661.17  .       Q  .        V.         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    999.5599   1737.02  .       Q  .         V         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917   1012.0135   1808.27  .       Q  .         V         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1024.9714   1881.49  .        Q.         V         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1038.4275   1953.82  .        Q.         V         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1052.4082   2029.99  .         Q         .V        .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1066.9198   2107.09  .         Q         .V        .         .
 (PEAK DAY 1, HOUR  15.250)
111.333   1082.0043   2190.26  .         Q         .V        .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1097.5770   2261.16  .         .Q        . V       .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1113.5178   2314.61  .         .Q        . V       .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1129.7285   2353.79  .         .Q        . V       .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1146.1561   2385.29  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1162.5571   2381.42  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1178.1958   2270.74  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1193.8363   2271.00  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1210.8542   2471.00  .         . Q       .   V     .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1231.4600   2991.95  .         .   Q     .   V     .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1257.0110   3710.00  .         .       Q .    V    .         .
 (PEAK DAY 1, HOUR  16.167)
112.250   1287.2900   4396.52  .         .         .Q   V    .         .
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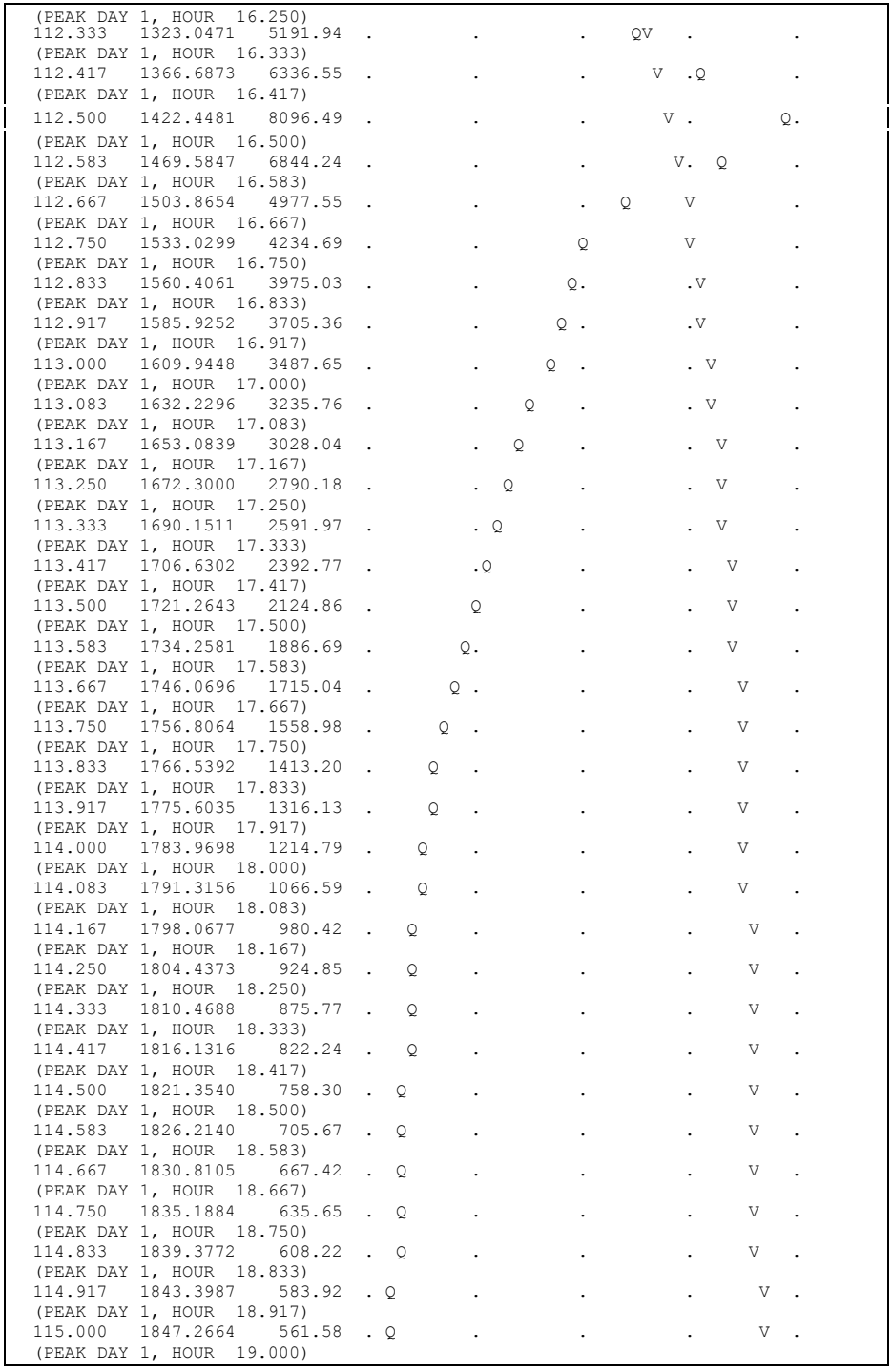
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(PEAK DAY 1, HOUR 16.417)
112.500 1422.4481 8096.49 . . . V . Q.
(PEAK DAY 1, HOUR 16.500)
112.583 1469.5847 6844.24 . . . V. Q .
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112.667 1503.8654 4977.55 . . . Q V .
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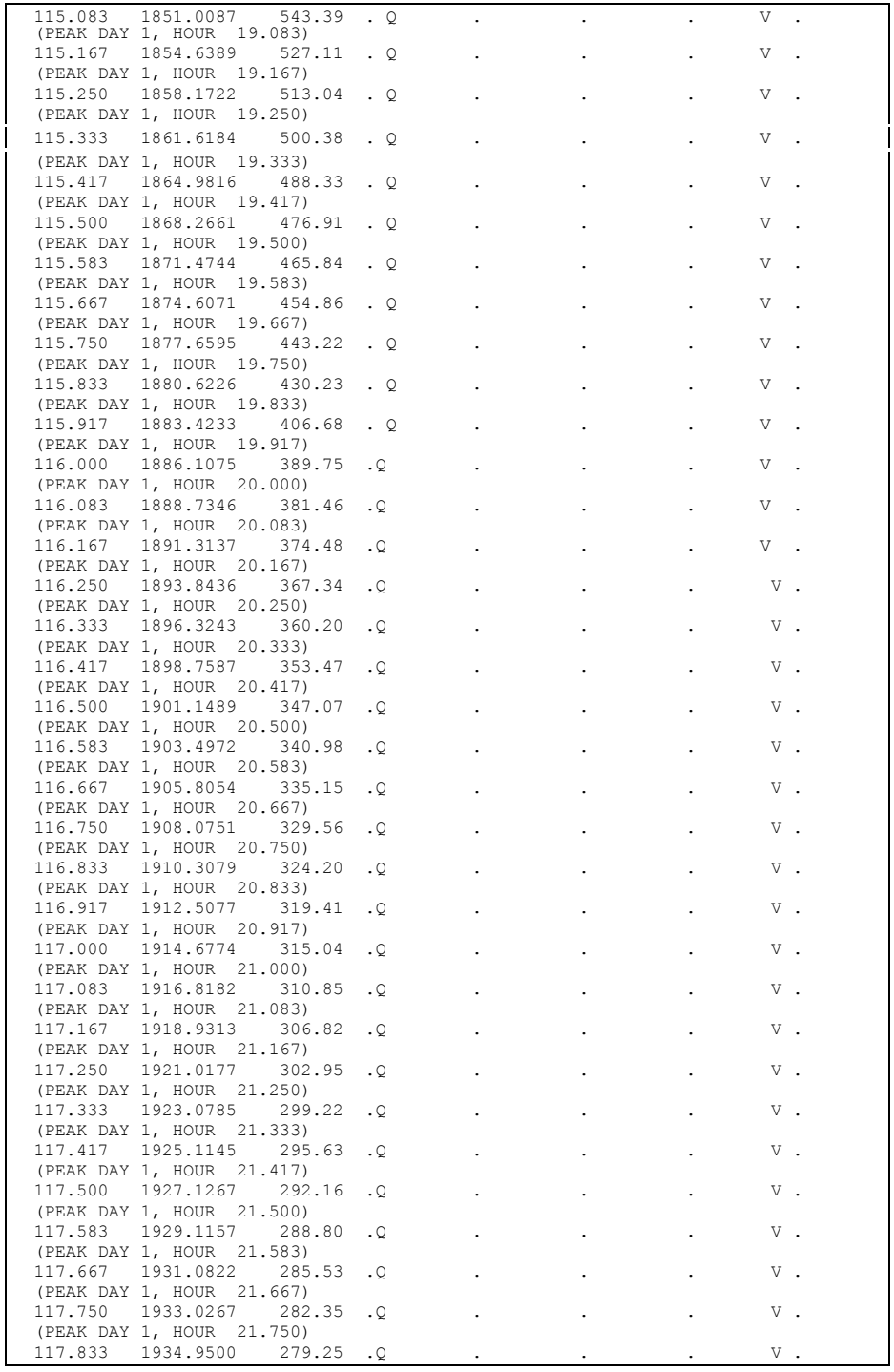
112.750 1533.0299 4234.69 . . Q V .
(PEAK DAY 1, HOUR 16.750)
112.833 1560.4061 3975.03 . . Q. .V .
(PEAK DAY 1, HOUR 16.833)
112.917 1585.9252 3705.36 . . Q . .V .
(PEAK DAY 1, HOUR 16.917)
113.000 1609.9448 3487.65 . . Q . . V .
(PEAK DAY 1, HOUR 17.000)
113.083 1632.2296 3235.76 . . Q . . V .
(PEAK DAY 1, HOUR 17.083)
113.167 1653.0839 3028.04 . . Q . . V .
(PEAK DAY 1, HOUR 17.167)
113.250 1672.3000 2790.18 . . Q . . V .
(PEAK DAY 1, HOUR 17.250)
113.333 1690.1511 2591.97 . . Q . . V .
(PEAK DAY 1, HOUR 17.333)
113.417 1706.6302 2392.77 . .Q . . V .
(PEAK DAY 1, HOUR 17.417)
113.500 1721.2643 2124.86 . Q . . V .
(PEAK DAY 1, HOUR 17.500)
113.583 1734.2581 1886.69 . Q. . V .
(PEAK DAY 1, HOUR 17.583)
113.667 1746.0696 1715.04 . Q . . V .
(PEAK DAY 1, HOUR 17.667)
113.750 1756.8064 1558.98 . Q . . V .
(PEAK DAY 1, HOUR 17.750)
113.833 1766.5392 1413.20 . Q . . V .
(PEAK DAY 1, HOUR 17.833)
113.917 1775.6035 1316.13 . Q . . V .
(PEAK DAY 1, HOUR 17.917)
114.000 1783.9698 1214.79 . Q . . V .
(PEAK DAY 1, HOUR 18.000)
114.083 1791.3156 1066.59 . Q . . V .
(PEAK DAY 1, HOUR 18.083)
114.167 1798.0677 980.42 . Q . . V .
(PEAK DAY 1, HOUR 18.167)
114.250 1804.4373 924.85 . Q . . V .
(PEAK DAY 1, HOUR 18.250)
114.333 1810.4688 875.77 . Q . . V .
(PEAK DAY 1, HOUR 18.333)
114.417 1816.1316 822.24 . Q . . V .
(PEAK DAY 1, HOUR 18.417)
114.500 1821.3540 758.30 . Q . . V .
(PEAK DAY 1, HOUR 18.500)
114.583 1826.2140 705.67 . Q . . V .
(PEAK DAY 1, HOUR 18.583)
114.667 1830.8105 667.42 . Q . . V .
(PEAK DAY 1, HOUR 18.667)
114.750 1835.1884 635.65 . Q . . V .
(PEAK DAY 1, HOUR 18.750)
114.833 1839.3772 608.22 . Q . . V .
(PEAK DAY 1, HOUR 18.833)
114.917 1843.3987 583.92 . Q . . V .
(PEAK DAY 1, HOUR 18.917)
115.000 1847.2664 561.58 . Q . . V .
(PEAK DAY 1, HOUR 19.000)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115.250 1858.1722 513.04 . Q . . V .
(PEAK DAY 1, HOUR 19.250)
115.333 1861.6184 500.38 . Q . . V .
(PEAK DAY 1, HOUR 19.333)
115.417 1864.9816 488.33 . Q . . V .
(PEAK DAY 1, HOUR 19.417)
115.500 1868.2661 476.91 . Q . . V .
(PEAK DAY 1, HOUR 19.500)
115.583 1871.4744 465.84 . Q . . V .
(PEAK DAY 1, HOUR 19.583)
115.667 1874.6071 454.86 . Q . . V .
(PEAK DAY 1, HOUR 19.667)
115.750 1877.6595 443.22 . Q . . V .
(PEAK DAY 1, HOUR 19.750)
115.833 1880.6226 430.23 . Q . . V .
(PEAK DAY 1, HOUR 19.833)
115.917 1883.4233 406.68 . Q . . V .
(PEAK DAY 1, HOUR 19.917)
116.000 1886.1075 389.75 .Q . . V .
(PEAK DAY 1, HOUR 20.000)
116.083 1888.7346 381.46 .Q . . V .
(PEAK DAY 1, HOUR 20.083)
116.167 1891.3137 374.48 .Q . . V .
(PEAK DAY 1, HOUR 20.167)
116.250 1893.8436 367.34 .Q . . V .
(PEAK DAY 1, HOUR 20.250)
116.333 1896.3243 360.20 .Q . . V .
(PEAK DAY 1, HOUR 20.333)
116.417 1898.7587 353.47 .Q . . V .
(PEAK DAY 1, HOUR 20.417)
116.500 1901.1489 347.07 .Q . . V .
(PEAK DAY 1, HOUR 20.500)
116.583 1903.4972 340.98 .Q . . V .
(PEAK DAY 1, HOUR 20.583)
116.667 1905.8054 335.15 .Q . . V .
(PEAK DAY 1, HOUR 20.667)
116.750 1908.0751 329.56 .Q . . V .
(PEAK DAY 1, HOUR 20.750)
116.833 1910.3079 324.20 .Q . . V .
(PEAK DAY 1, HOUR 20.833)
116.917 1912.5077 319.41 .Q . . V .
(PEAK DAY 1, HOUR 20.917)
117.000 1914.6774 315.04 .Q . . V .
(PEAK DAY 1, HOUR 21.000)
117.083 1916.8182 310.85 .Q . . V .
(PEAK DAY 1, HOUR 21.083)
117.167 1918.9313 306.82 .Q . . V .
(PEAK DAY 1, HOUR 21.167)
117.250 1921.0177 302.95 .Q . . V .
(PEAK DAY 1, HOUR 21.250)
117.333 1923.0785 299.22 .Q . . V .
(PEAK DAY 1, HOUR 21.333)
117.417 1925.1145 295.63 .Q . . V .
(PEAK DAY 1, HOUR 21.417)
117.500 1927.1267 292.16 .Q . . V .
(PEAK DAY 1, HOUR 21.500)
117.583 1929.1157 288.80 .Q . . V .
(PEAK DAY 1, HOUR 21.583)
117.667 1931.0822 285.53 .Q . . V .
(PEAK DAY 1, HOUR 21.667)
117.750 1933.0267 282.35 .Q . . V .
(PEAK DAY 1, HOUR 21.750)
117.833 1934.9500 279.25 .Q . . V .

(PEAK DAY 1, HOUR 21.833)									
117.917	1936.8530	276.33	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 21.917)									
118.000	1938.7368	273.53	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 22.000)									
118.083	1940.6019	270.81	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 22.083)									
118.167	1942.4487	268.16	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.167)									
118.250	1944.2778	265.58	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.250)									
118.333	1946.0896	263.06	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.333)									
118.417	1947.8844	260.61	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.417)									
118.500	1949.6627	258.22	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.500)									
118.583	1951.4249	255.88	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.583)									
118.667	1953.1715	253.60	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.667)									
118.750	1954.9027	251.37	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.750)									
118.833	1956.6189	249.19	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.833)									
118.917	1958.3204	247.06	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.917)									
119.000	1960.0077	244.98	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.000)									
119.083	1961.6809	242.95	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.083)									
119.167	1963.3403	240.95	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.167)									
119.250	1964.9863	239.01	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.250)									
119.333	1966.6193	237.10	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.333)									
119.417	1968.2393	235.23	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.417)									
119.500	1969.8467	233.40	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.500)									
119.583	1971.4418	231.61	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.583)									
119.667	1973.0248	229.85	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.667)									
119.750	1974.5959	228.13	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.750)									
119.833	1976.1555	226.44	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.833)									
119.917	1977.7036	224.79	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.917)									
120.000	1979.2406	223.16	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.000)									
120.083	1980.7501	219.19	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.083)									
120.167	1982.2065	211.46	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.167)									
120.250	1983.5886	200.67	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.250)									
120.333	1984.8737	186.59	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.333)									
120.417	1986.0109	165.13	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.417)									
120.500	1986.8660	124.17	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.500)									
120.583	1987.5026	92.43	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.583)									
120.667	1988.0258	75.96	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.667)									
120.750	1988.4669	64.06	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.750)									
120.833	1988.8396	54.11	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.833)									
120.917	1989.1586	46.31	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.917)									
121.000	1989.4298	39.39	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.000)									
121.083	1989.6614	33.63	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.083)									
121.167	1989.8578	28.51	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.167)									
121.250	1990.0254	24.33	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.250)									
121.333	1990.1677	20.66	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.333)									
121.417	1990.2871	17.33	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.417)									
121.500	1990.3868	14.48	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.500)									
121.583	1990.4702	12.10	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.583)									
121.667	1990.5394	10.05	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.667)									
121.750	1990.5970	8.37	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.750)									
121.833	1990.6462	7.14	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.833)									
121.917	1990.6870	5.91	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.917)									
122.000	1990.7198	4.77	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.000)									
122.083	1990.7499	4.36	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.083)									
122.167	1990.7784	4.14	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.167)									
122.250	1990.8054	3.92	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.250)									
122.333	1990.8309	3.70	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.333)									
122.417	1990.8550	3.49	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.417)									
122.500	1990.8776	3.28	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.500)									
122.583	1990.8987	3.07	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.583)									
122.667	1990.9183	2.86	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.667)									
122.750	1990.9365	2.65	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.750)									
122.833	1990.9534	2.44	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.833)									
122.917	1990.9688	2.24	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.917)									
123.000	1990.9828	2.03	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.000)									
123.083	1990.9954	1.83	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.083)									
123.167	1991.0066	1.63	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.167)									
123.250	1991.0165	1.43	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.250)									
123.333	1991.0249	1.23	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.333)									
123.417	1991.0320	1.03	Q	.	.	.	V.		

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 (PEAK DAY 1, HOUR  27.417)
 123.500   1991.0377      0.84  Q          .          .          .         V.
 (PEAK DAY 1, HOUR  27.500)
 123.583   1991.0421      0.64  Q          .          .          .         V.
 (PEAK DAY 1, HOUR  27.583)
 123.667   1991.0452      0.45  Q          .          .          .         V.
 (PEAK DAY 1, HOUR  27.667)
 123.750   1991.0470      0.26  Q          .          .          .          V
 (PEAK DAY 1, HOUR  27.750)
 123.833   1991.0475      0.07  Q          .          .          .          V
 (PEAK DAY 1, HOUR  27.833)
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  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE = 3.1
----------------------------------------------------------------------------
  >>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
============================================================================
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

                    INFLOW
                  (STREAM 1)
                       |
                       |
                       V                 __effective depth
                 -----------            |   (and volume)
                |           |    |      |
                |           |    |....V........
                | detention |<-->|            outflow
                |   basin   |    |.........________
                 -----------     |    ^    |  \
                       |         |  dead   |   basin outlet
                       V         | storage |
                    OUTFLOW       ---------
                  (STREAM 1)
```

ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
THROUGH A FLOW-THROUGH DETENTION BASIN
SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
  DEAD STORAGE(AF) =   0.000
  SPECIFIED DEAD STORAGE(AF) FILLED =   0.000
  SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET =   0.000
  DETENTION BASIN CONSTANT LOSS RATE(CFS) =   0.00

BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

INTERVAL NUMBER	DEPTH (FT)	OUTFLOW (CFS)	STORAGE (AF)
1	0.00	0.00	0.000
2	4.00	394.90	0.700
3	5.00	449.00	2.100
4	6.00	497.00	5.300
5	7.00	541.80	10.700
6	9.00	623.30	30.100
7	11.00	696.00	56.800
8	13.00	762.50	85.500
9	15.00	824.40	137.200
10	17.00	881.60	197.600
11	19.00	936.20	259.700
12	21.00	987.80	323.800
13	23.00	1038.30	389.700
14	25.00	1064.60	457.700
15	27.00	1094.00	527.900
16	29.00	1127.00	600.000
17	31.00	1162.10	674.100

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MODIFIED-PULS BASIN ROUTING MODEL RESULTS(5-MINUTE COMPUTATION INTERVALS):
(Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time;
MEAN OUTFLOW is the average value during the unit interval.)

PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
1	0.001	96.001	0.000	57.05	0.00	0.58	57.2	0.101
1	0.084	96.084	0.000	58.43	0.00	0.60	57.9	0.104
1	0.167	96.167	0.000	62.64	0.00	0.65	61.4	0.113
1	0.251	96.251	0.000	69.24	0.00	0.72	67.4	0.126
1	0.334	96.334	0.000	78.41	0.00	0.82	75.9	0.143
1	0.417	96.417	0.000	93.23	0.00	0.98	89.0	0.172
1	0.501	96.501	0.000	122.82	0.00	1.33	114.1	0.232
1	0.584	96.584	0.000	145.93	0.00	1.53	140.9	0.267
1	0.667	96.667	0.000	157.97	0.00	1.62	155.5	0.284
1	0.751	96.751	0.000	166.77	0.00	1.71	164.6	0.299
1	0.834	96.834	0.000	174.25	0.00	1.78	172.4	0.312
1	0.917	96.917	0.000	180.21	0.00	1.84	178.8	0.322
1	1.001	97.001	0.000	185.62	0.00	1.89	184.2	0.331
1	1.084	97.084	0.000	190.22	0.00	1.94	189.1	0.339
1	1.167	97.167	0.000	194.42	0.00	1.98	193.4	0.346
1	1.251	97.251	0.000	197.97	0.00	2.01	197.1	0.352
1	1.334	97.334	0.000	201.20	0.00	2.05	200.4	0.358
1	1.417	97.417	0.000	204.20	0.00	2.08	203.4	0.363
1	1.501	97.501	0.000	206.90	0.00	2.10	206.2	0.368
1	1.584	97.584	0.000	209.26	0.00	2.13	208.7	0.372
1	1.667	97.667	0.000	211.43	0.00	2.15	210.9	0.376
1	1.751	97.751	0.000	213.33	0.00	2.17	212.9	0.379
1	1.834	97.834	0.000	214.94	0.00	2.18	214.5	0.382
1	1.917	97.917	0.000	216.54	0.00	2.20	216.1	0.385
1	2.001	98.001	0.000	218.12	0.00	2.21	217.7	0.387
1	2.084	98.084	0.000	219.16	0.00	2.22	218.9	0.389
1	2.167	98.167	0.000	220.08	0.00	2.23	219.8	0.391
1	2.251	98.251	0.000	220.99	0.00	2.24	220.8	0.392
1	2.334	98.334	0.000	221.93	0.00	2.25	221.7	0.394
1	2.417	98.417	0.000	222.86	0.00	2.26	222.6	0.395
1	2.501	98.501	0.000	223.82	0.00	2.27	223.6	0.397
1	2.584	98.584	0.000	224.77	0.00	2.28	224.5	0.399
1	2.667	98.667	0.000	225.74	0.00	2.29	225.5	0.401
1	2.751	98.751	0.000	226.71	0.00	2.30	226.5	0.402
1	2.834	98.834	0.000	227.70	0.00	2.31	227.4	0.404
1	2.917	98.917	0.000	228.68	0.00	2.32	228.4	0.406
1	3.001	99.001	0.000	229.69	0.00	2.33	229.4	0.408
1	3.084	99.084	0.000	230.70	0.00	2.34	230.4	0.409
1	3.167	99.167	0.000	231.73	0.00	2.35	231.5	0.411
1	3.251	99.251	0.000	232.75	0.00	2.36	232.5	0.413
1	3.334	99.334	0.000	233.80	0.00	2.37	233.5	0.415
1	3.417	99.417	0.000	234.84	0.00	2.38	234.6	0.417
1	3.501	99.501	0.000	235.92	0.00	2.39	235.6	0.419
1	3.584	99.584	0.000	236.98	0.00	2.40	236.7	0.421
1	3.667	99.667	0.000	238.07	0.00	2.41	237.8	0.422
1	3.751	99.751	0.000	239.16	0.00	2.43	238.9	0.424
1	3.834	99.834	0.000	240.27	0.00	2.44	240.0	0.426
1	3.917	99.917	0.000	241.29	0.00	2.45	241.0	0.428
1	4.001	100.001	0.000	242.29	0.00	2.46	242.0	0.430
1	4.084	100.084	0.000	243.27	0.00	2.47	243.0	0.432
1	4.167	100.167	0.000	244.29	0.00	2.48	244.0	0.433

1	4.251	100.251	0.000	245.30	0.00	2.49	245.0	0.435
1	4.334	100.334	0.000	246.34	0.00	2.50	246.1	0.437
1	4.417	100.417	0.000	247.37	0.00	2.51	247.1	0.439
1	4.501	100.501	0.000	248.44	0.00	2.52	248.2	0.441
1	4.584	100.584	0.000	249.49	0.00	2.53	249.2	0.443
1	4.667	100.667	0.000	250.58	0.00	2.54	250.3	0.445
1	4.751	100.751	0.000	251.66	0.00	2.55	251.4	0.447
1	4.834	100.834	0.000	252.77	0.00	2.56	252.5	0.449
1	4.917	100.917	0.000	253.87	0.00	2.57	253.6	0.450
1	5.001	101.001	0.000	255.01	0.00	2.59	254.7	0.453
1	5.084	101.084	0.000	256.14	0.00	2.60	255.8	0.455
1	5.167	101.167	0.000	257.30	0.00	2.61	257.0	0.457
1	5.251	101.251	0.000	258.46	0.00	2.62	258.2	0.459
1	5.334	101.334	0.000	259.65	0.00	2.63	259.3	0.461
1	5.417	101.417	0.000	260.84	0.00	2.64	260.5	0.463
1	5.501	101.501	0.000	262.06	0.00	2.66	261.7	0.465
1	5.584	101.584	0.000	263.27	0.00	2.67	263.0	0.467
1	5.667	101.667	0.000	264.52	0.00	2.68	264.2	0.469
1	5.751	101.751	0.000	265.76	0.00	2.69	265.4	0.472
1	5.834	101.834	0.000	267.05	0.00	2.71	266.7	0.474
1	5.917	101.917	0.000	268.32	0.00	2.72	268.0	0.476
1	6.001	102.001	0.000	269.64	0.00	2.73	269.3	0.479
1	6.084	102.084	0.000	270.94	0.00	2.75	270.6	0.481
1	6.167	102.167	0.000	272.29	0.00	2.76	271.9	0.483
1	6.251	102.251	0.000	273.63	0.00	2.77	273.3	0.486
1	6.334	102.334	0.000	275.02	0.00	2.79	274.7	0.488
1	6.417	102.417	0.000	276.39	0.00	2.80	276.0	0.491
1	6.501	102.501	0.000	277.81	0.00	2.82	277.4	0.493
1	6.584	102.584	0.000	279.23	0.00	2.83	278.9	0.496
1	6.667	102.667	0.000	280.69	0.00	2.85	280.3	0.498
1	6.751	102.751	0.000	282.14	0.00	2.86	281.8	0.501
1	6.834	102.834	0.000	283.64	0.00	2.88	283.2	0.503
1	6.917	102.917	0.000	285.13	0.00	2.89	284.7	0.506
1	7.001	103.001	0.000	286.67	0.00	2.91	286.3	0.509
1	7.084	103.084	0.000	288.21	0.00	2.92	287.8	0.512
1	7.167	103.167	0.000	289.79	0.00	2.94	289.4	0.514
1	7.251	103.251	0.000	291.37	0.00	2.96	291.0	0.517
1	7.334	103.334	0.000	293.00	0.00	2.97	292.6	0.520
1	7.417	103.417	0.000	294.63	0.00	2.99	294.2	0.523
1	7.501	103.501	0.000	296.31	0.00	3.01	295.9	0.526
1	7.584	103.584	0.000	297.98	0.00	3.02	297.6	0.529
1	7.667	103.667	0.000	299.71	0.00	3.04	299.3	0.532
1	7.751	103.751	0.000	301.43	0.00	3.06	301.0	0.535
1	7.834	103.834	0.000	303.22	0.00	3.08	302.8	0.538
1	7.917	103.917	0.000	305.00	0.00	3.09	304.5	0.541
1	8.001	104.001	0.000	306.84	0.00	3.11	306.4	0.545
1	8.084	104.084	0.000	308.67	0.00	3.13	308.2	0.548
1	8.167	104.167	0.000	310.57	0.00	3.15	310.1	0.551
1	8.251	104.251	0.000	312.46	0.00	3.17	312.0	0.555
1	8.334	104.334	0.000	314.43	0.00	3.19	313.9	0.558
1	8.418	104.418	0.000	316.38	0.00	3.21	315.9	0.562
1	8.501	104.501	0.000	318.41	0.00	3.23	317.9	0.565
1	8.584	104.584	0.000	320.42	0.00	3.25	319.9	0.569
1	8.668	104.668	0.000	322.52	0.00	3.27	322.0	0.573
1	8.751	104.751	0.000	324.61	0.00	3.29	324.1	0.576
1	8.834	104.834	0.000	326.78	0.00	3.32	326.2	0.580
1	8.918	104.918	0.000	328.94	0.00	3.34	328.4	0.584
1	9.001	105.001	0.000	331.18	0.00	3.36	330.6	0.588
1	9.084	105.084	0.000	333.42	0.00	3.38	332.8	0.592
1	9.168	105.168	0.000	335.75	0.00	3.41	335.1	0.596
1	9.251	105.251	0.000	338.07	0.00	3.43	337.5	0.600
1	9.334	105.334	0.000	340.48	0.00	3.45	339.9	0.605
1	9.418	105.418	0.000	342.89	0.00	3.48	342.3	0.609
1	9.501	105.501	0.000	345.39	0.00	3.50	344.7	0.613
1	9.584	105.584	0.000	347.89	0.00	3.53	347.3	0.618
1	9.668	105.668	0.000	350.49	0.00	3.56	349.8	0.622
1	9.751	105.751	0.000	353.09	0.00	3.58	352.4	0.627
1	9.834	105.834	0.000	355.80	0.00	3.61	355.1	0.632
1	9.918	105.918	0.000	358.50	0.00	3.64	357.8	0.637
1	10.001	106.001	0.000	361.31	0.00	3.67	360.6	0.642
1	10.084	106.084	0.000	364.13	0.00	3.70	363.4	0.647
1	10.168	106.168	0.000	367.06	0.00	3.73	366.3	0.652
1	10.251	106.251	0.000	370.00	0.00	3.75	369.2	0.657
1	10.334	106.334	0.000	373.06	0.00	3.79	372.3	0.663
1	10.418	106.418	0.000	376.12	0.00	3.82	375.3	0.668
1	10.501	106.501	0.000	379.32	0.00	3.85	378.5	0.674
1	10.584	106.584	0.000	382.51	0.00	3.88	381.7	0.679
1	10.668	106.668	0.000	385.85	0.00	3.92	385.0	0.685
1	10.751	106.751	0.000	389.20	0.00	3.95	388.3	0.691
1	10.834	106.834	0.000	392.69	0.00	3.99	391.8	0.698
1	10.918	106.918	0.000	396.19	0.00	4.01	394.4	0.710
1	11.001	107.001	0.000	399.86	0.00	4.03	395.8	0.738
1	11.084	107.084	0.000	403.53	0.00	4.06	397.2	0.781
1	11.168	107.168	0.000	407.38	0.00	4.10	399.1	0.838
1	11.251	107.251	0.000	411.24	0.00	4.15	401.5	0.905
1	11.334	107.334	0.000	415.28	0.00	4.20	404.3	0.981
1	11.418	107.418	0.000	419.34	0.00	4.26	407.3	1.063
1	11.501	107.501	0.000	423.60	0.00	4.32	410.7	1.152
1	11.584	107.584	0.000	427.88	0.00	4.39	414.2	1.247
1	11.668	107.668	0.000	432.36	0.00	4.46	417.9	1.346
1	11.751	107.751	0.000	436.88	0.00	4.54	421.9	1.449
1	11.834	107.834	0.000	441.62	0.00	4.61	425.9	1.557
1	11.918	107.918	0.000	446.40	0.00	4.69	430.2	1.669
1	12.001	108.001	0.000	451.42	0.00	4.77	434.6	1.785
1	12.084	108.084	0.000	458.21	0.00	4.87	439.3	1.915
1	12.168	108.168	0.000	468.03	0.00	4.98	444.9	2.074
1	12.251	108.251	0.000	480.19	0.00	5.06	449.9	2.283
1	12.334	108.334	0.000	495.10	0.00	5.15	453.9	2.567
1	12.418	108.418	0.000	515.54	0.00	5.27	458.9	2.957
1	12.501	108.501	0.000	550.61	0.00	5.45	466.2	3.538
1	12.584	108.584	0.000	579.32	0.00	5.67	475.9	4.250
1	12.668	108.668	0.000	597.50	0.00	5.91	487.0	5.011
1	12.751	108.751	0.000	612.56	0.00	6.09	496.9	5.808
1	12.834	108.834	0.000	626.67	0.00	6.25	504.7	6.648
1	12.918	108.918	0.000	639.37	0.00	6.41	511.8	7.526
1	13.001	109.001	0.000	651.92	0.00	6.58	519.3	8.440
1	13.084	109.084	0.000	663.96	0.00	6.76	527.0	9.383
1	13.168	109.168	0.000	676.43	0.00	6.94	534.9	10.358
1	13.251	109.251	0.000	689.01	0.00	7.07	541.8	11.372
1	13.334	109.334	0.000	702.61	0.00	7.18	546.9	12.444
1	13.418	109.418	0.000	717.55	0.00	7.30	551.5	13.588
1	13.501	109.501	0.000	735.54	0.00	7.42	556.5	14.821
1	13.584	109.584	0.000	755.09	0.00	7.56	561.9	16.151
1	13.668	109.668	0.000	776.66	0.00	7.71	567.7	17.590
1	13.751	109.751	0.000	799.06	0.00	7.87	574.0	19.140
1	13.834	109.834	0.000	823.23	0.00	8.04	580.8	20.810
1	13.918	109.918	0.000	848.40	0.00	8.23	588.0	22.603
1	14.001	110.001	0.000	875.72	0.00	8.43	595.9	24.531
1	14.084	110.084	0.000	911.09	0.00	8.64	604.3	26.643
1	14.168	110.168	0.000	960.67	0.00	8.89	613.8	29.032
1	14.251	110.251	0.000	1021.19	0.00	9.13	623.3	31.772
1	14.334	110.334	0.000	1094.90	0.00	9.36	632.2	34.959
1	14.418	110.418	0.000	1193.34	0.00	9.65	641.7	38.758
1	14.501	110.501	0.000	1356.53	0.00	10.01	653.5	43.600
1	14.584	110.584	0.000	1492.23	0.00	10.44	667.8	49.278
1	14.668	110.668	0.000	1583.02	0.00	10.90	683.9	55.470
1	14.751	110.751	0.000	1661.17	0.00	11.37	700.3	62.087
1	14.834	110.834	0.000	1737.02	0.00	11.86	716.4	69.117
1	14.918	110.918	0.000	1808.27	0.00	12.37	733.1	76.521
1	15.001	111.001	0.000	1881.49	0.00	12.92	750.7	84.309
1	15.084	111.084	0.000	1953.82	0.00	13.27	765.3	92.494
1	15.168	111.168	0.000	2029.99	0.00	13.60	776.0	101.130
1	15.251	111.251	0.000	2107.09	0.00	13.96	786.7	110.224
1	15.334	111.334	0.000	2190.26	0.00	14.33	797.8	119.814

1	15.418	111.418	0.000	2261.16	0.00	14.71	809.6	129.811
1	15.501	111.501	0.000	2314.61	0.00	15.10	821.3	140.095
1	15.584	111.584	0.000	2353.79	0.00	15.44	832.1	150.575
1	15.668	111.668	0.000	2385.29	0.00	15.79	842.1	161.203
1	15.751	111.751	0.000	2381.42	0.00	16.14	852.1	171.736
1	15.834	111.834	0.000	2270.74	0.00	16.46	861.7	181.440
1	15.918	111.918	0.000	2271.00	0.00	16.78	870.9	191.082
1	16.001	112.001	0.000	2471.00	0.00	17.14	880.5	202.037
1	16.084	112.084	0.000	2991.95	0.00	17.61	891.9	216.500
1	16.168	112.168	0.000	3710.00	0.00	18.23	906.7	235.806
1	16.251	112.251	0.000	4396.52	0.00	19.00	925.7	259.710
1	16.334	112.334	0.000	5191.94	0.00	19.91	948.0	288.939
1	16.418	112.418	0.000	6336.55	0.00	21.06	974.6	325.867
1	16.501	112.501	0.000	8096.49	0.00	22.54	1008.1	374.685
1	16.584	112.584	0.000	6844.24	0.00	23.73	1037.4	414.677
1	16.668	112.668	0.000	4977.55	0.00	24.53	1053.2	441.704
1	16.751	112.751	0.000	4234.69	0.00	25.17	1062.7	463.550
1	16.834	112.834	0.000	3975.03	0.00	25.74	1071.2	483.549
1	16.918	112.918	0.000	3705.36	0.00	26.25	1079.2	501.635
1	17.001	113.001	0.000	3487.65	0.00	26.72	1086.5	518.172
1	17.084	113.084	0.000	3235.76	0.00	27.14	1093.1	532.929
1	17.168	113.168	0.000	3028.04	0.00	27.51	1099.3	546.212
1	17.251	113.251	0.000	2790.18	0.00	27.83	1105.0	557.817
1	17.334	113.334	0.000	2591.97	0.00	28.11	1110.0	568.023
1	17.418	113.418	0.000	2392.77	0.00	28.36	1114.4	576.828
1	17.501	113.501	0.000	2124.86	0.00	28.55	1118.0	583.762
1	17.584	113.584	0.000	1886.69	0.00	28.70	1120.8	589.037
1	17.668	113.668	0.000	1715.04	0.00	28.81	1122.9	593.115
1	17.751	113.751	0.000	1558.98	0.00	28.89	1124.5	596.107
1	17.834	113.834	0.000	1413.20	0.00	28.95	1125.7	598.087
1	17.918	113.918	0.000	1316.13	0.00	28.98	1126.4	599.394
1	18.001	114.001	0.000	1214.79	0.00	29.00	1126.9	599.999
1	18.084	114.084	0.000	1066.59	0.00	28.99	1126.9	599.584
1	18.168	114.168	0.000	980.42	0.00	28.96	1126.6	598.577
1	18.251	114.251	0.000	924.85	0.00	28.92	1126.0	597.192
1	18.334	114.334	0.000	875.77	0.00	28.87	1125.3	595.473
1	18.418	114.418	0.000	822.24	0.00	28.82	1124.5	593.392
1	18.501	114.501	0.000	758.30	0.00	28.75	1123.4	590.878
1	18.584	114.584	0.000	705.67	0.00	28.67	1122.2	588.009
1	18.668	114.668	0.000	667.42	0.00	28.58	1120.8	584.887
1	18.751	114.751	0.000	635.65	0.00	28.49	1119.3	581.556
1	18.834	114.834	0.000	608.22	0.00	28.39	1117.8	578.046
1	18.918	114.918	0.000	583.92	0.00	28.29	1116.1	574.381
1	19.001	115.001	0.000	561.58	0.00	28.18	1114.4	570.574
1	19.084	115.084	0.000	543.39	0.00	28.07	1112.6	566.654
1	19.168	115.168	0.000	527.11	0.00	27.96	1110.8	562.633
1	19.251	115.251	0.000	513.04	0.00	27.85	1109.0	558.529
1	19.335	115.335	0.000	500.38	0.00	27.73	1107.1	554.351
1	19.418	115.418	0.000	488.33	0.00	27.62	1105.1	550.103
1	19.501	115.501	0.000	476.91	0.00	27.50	1103.2	545.790
1	19.585	115.585	0.000	465.84	0.00	27.37	1101.2	541.414
1	19.668	115.668	0.000	454.86	0.00	27.25	1099.2	536.977
1	19.751	115.751	0.000	443.22	0.00	27.13	1097.1	532.473
1	19.835	115.835	0.000	430.23	0.00	27.00	1095.0	527.895
1	19.918	115.918	0.000	406.68	0.00	26.87	1093.0	523.168
1	20.001	116.001	0.000	389.75	0.00	26.73	1091.0	518.339
1	20.085	116.085	0.000	381.46	0.00	26.59	1089.0	513.466
1	20.168	116.168	0.000	374.48	0.00	26.45	1086.9	508.559
1	20.251	116.251	0.000	367.34	0.00	26.31	1084.9	503.618
1	20.335	116.335	0.000	360.20	0.00	26.17	1082.8	498.641
1	20.418	116.418	0.000	353.47	0.00	26.02	1080.7	493.633
1	20.501	116.501	0.000	347.07	0.00	25.88	1078.6	488.595
1	20.585	116.585	0.000	340.98	0.00	25.74	1076.5	483.529
1	20.668	116.668	0.000	335.15	0.00	25.59	1074.4	478.438
1	20.751	116.751	0.000	329.56	0.00	25.45	1072.2	473.324
1	20.835	116.835	0.000	324.20	0.00	25.30	1070.1	468.187
1	20.918	116.918	0.000	319.41	0.00	25.15	1067.9	463.032
1	21.001	117.001	0.000	315.04	0.00	25.00	1065.8	457.862
1	21.085	117.085	0.000	310.85	0.00	24.85	1063.7	452.677
1	21.168	117.168	0.000	306.82	0.00	24.70	1061.7	447.478
1	21.251	117.251	0.000	302.95	0.00	24.55	1059.6	442.267
1	21.335	117.335	0.000	299.22	0.00	24.39	1057.6	437.044
1	21.418	117.418	0.000	295.63	0.00	24.24	1055.6	431.810
1	21.501	117.501	0.000	292.16	0.00	24.08	1053.6	426.566
1	21.585	117.585	0.000	288.80	0.00	23.93	1051.5	421.313
1	21.668	117.668	0.000	285.53	0.00	23.78	1049.5	416.051
1	21.751	117.751	0.000	282.35	0.00	23.62	1047.5	410.782
1	21.835	117.835	0.000	279.25	0.00	23.46	1045.4	405.505
1	21.918	117.918	0.000	276.33	0.00	23.31	1043.4	400.222
1	22.001	118.001	0.000	273.53	0.00	23.15	1041.3	394.934
1	22.085	118.085	0.000	270.81	0.00	23.00	1039.3	389.642
1	22.168	118.168	0.000	268.16	0.00	22.84	1036.2	384.352
1	22.251	118.251	0.000	265.58	0.00	22.68	1032.2	379.072
1	22.335	118.335	0.000	263.06	0.00	22.52	1028.1	373.803
1	22.418	118.418	0.000	260.61	0.00	22.36	1024.1	368.545
1	22.501	118.501	0.000	258.22	0.00	22.20	1020.1	363.298
1	22.585	118.585	0.000	255.88	0.00	22.04	1016.1	358.063
1	22.668	118.668	0.000	253.60	0.00	21.88	1012.1	352.839
1	22.751	118.751	0.000	251.37	0.00	21.72	1008.1	347.628
1	22.835	118.835	0.000	249.19	0.00	21.57	1004.1	342.429
1	22.918	118.918	0.000	247.06	0.00	21.41	1000.1	337.243
1	23.001	119.001	0.000	244.98	0.00	21.25	996.1	332.070
1	23.085	119.085	0.000	242.95	0.00	21.09	992.2	326.910
1	23.168	119.168	0.000	240.95	0.00	20.94	988.2	321.764
1	23.251	119.251	0.000	239.01	0.00	20.78	984.1	316.632
1	23.335	119.335	0.000	237.10	0.00	20.62	980.0	311.516
1	23.418	119.418	0.000	235.23	0.00	20.46	975.9	306.415
1	23.501	119.501	0.000	233.40	0.00	20.30	971.8	301.330
1	23.585	119.585	0.000	231.61	0.00	20.14	967.7	296.261
1	23.668	119.668	0.000	229.85	0.00	19.98	963.6	291.207
1	23.751	119.751	0.000	228.13	0.00	19.83	959.5	286.170
1	23.835	119.835	0.000	226.44	0.00	19.67	955.5	281.149
1	23.918	119.918	0.000	224.79	0.00	19.51	951.5	276.145
1	24.001	120.001	0.000	223.16	0.00	19.36	947.4	271.157
1	24.085	120.085	0.000	219.19	0.00	19.20	943.4	266.169
1	24.168	120.168	0.000	211.46	0.00	19.05	939.4	261.156
1	24.251	120.251	0.000	200.67	0.00	18.88	935.2	256.097
1	24.335	120.335	0.000	186.59	0.00	18.72	930.8	250.972
1	24.418	120.418	0.000	165.13	0.00	18.55	926.2	245.730
1	24.501	120.501	0.000	124.17	0.00	18.37	921.5	240.239
1	24.585	120.585	0.000	92.43	0.00	18.19	916.6	234.562
1	24.668	120.668	0.000	75.96	0.00	18.01	911.6	228.808
1	24.751	120.751	0.000	64.06	0.00	17.82	906.5	223.006
1	24.835	120.835	0.000	54.11	0.00	17.63	901.4	217.171
1	24.918	120.918	0.000	46.31	0.00	17.44	896.2	211.317
1	25.001	121.001	0.000	39.39	0.00	17.25	891.1	205.452
1	25.085	121.085	0.000	33.63	0.00	17.06	885.9	199.582
1	25.168	121.168	0.000	28.51	0.00	16.87	880.6	193.713
1	25.251	121.251	0.000	24.33	0.00	16.68	875.1	187.854
1	25.335	121.335	0.000	20.66	0.00	16.48	869.6	182.007
1	25.418	121.418	0.000	17.33	0.00	16.29	864.1	176.175
1	25.501	121.501	0.000	14.48	0.00	16.10	858.6	170.362
1	25.585	121.585	0.000	12.10	0.00	15.91	853.1	164.570
1	25.668	121.668	0.000	10.05	0.00	15.72	847.6	158.802
1	25.751	121.751	0.000	8.37	0.00	15.53	842.1	153.060
1	25.835	121.835	0.000	7.14	0.00	15.34	836.7	147.347
1	25.918	121.918	0.000	5.91	0.00	15.15	831.3	141.662
1	26.001	122.001	0.000	4.77	0.00	14.95	825.8	136.008
1	26.085	122.085	0.000	4.36	0.00	14.74	819.6	130.393
1	26.168	122.168	0.000	4.14	0.00	14.52	812.9	124.823
1	26.251	122.251	0.000	3.92	0.00	14.31	806.3	119.297
1	26.335	122.335	0.000	3.70	0.00	14.10	799.7	113.815
1	26.418	122.418	0.000	3.49	0.00	13.88	793.1	108.377
1	26.501	122.501	0.000	3.28	0.00	13.68	786.7	102.982

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 1  26.585 122.585        0.000     3.07     0.00     13.47    780.2     97.629
 1  26.668 122.668        0.000     2.86     0.00     13.26    773.8     92.319
 1  26.751 122.751        0.000     2.65     0.00     13.06    767.5     87.052
 1  26.835 122.835        0.000     2.44     0.00     12.74    759.2     81.840
 1  26.918 122.918        0.000     2.24     0.00     12.39    748.1     76.703
 1  27.001 123.001        0.000     2.03     0.00     12.03    736.3     71.647
 1  27.085 123.085        0.000     1.83     0.00     11.69    724.6     66.669
 1  27.168 123.168        0.000     1.63     0.00     11.35    713.2     61.768
 1  27.251 123.251        0.000     1.43     0.00     11.01    701.9     56.944
 1  27.335 123.335        0.000     1.23     0.00     10.66    689.9     52.201
 1  27.418 123.418        0.000     1.03     0.00     10.31    677.1     47.545
 1  27.501 123.501        0.000     0.84     0.00      9.96    664.6     42.973
 1  27.585 123.585        0.000     0.64     0.00      9.63    652.2     38.486
 1  27.668 123.668        0.000     0.45     0.00      9.30    640.1     34.080
 1  27.751 123.751        0.000     0.26     0.00      8.96    628.0     29.757
 1  27.835 123.835        0.000     0.07     0.00      8.53    613.0     25.536
 1  27.918 123.918        0.000     0.00     0.00      8.11    595.5     21.434
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
--------------------------------------------------------------------------------
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1991.048 AF
    BASIN  STORAGE =      0.000 AF (WITH      0.000 AF INITIALLY FILLED)
    OUTFLOW VOLUME =   1991.475 AF
    LOSS    VOLUME =      0.000 AF
================================================================================



********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      300.0     600.0     900.0    1200.0
--------------------------------------------------------------------------------
  96.000    524.2714     57.16  .Q        V         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    524.6703     57.93  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    525.0930     61.37  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    525.5573     67.41  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    526.0798     75.88  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    526.6928     89.00  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    527.4788    114.12  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    528.4489    140.86  .   Q     V         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    529.5198    155.50  .    Q    V         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    530.6533    164.57  .    Q    V         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    531.8406    172.41  .    Q    V         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    533.0718    178.77  .    Q    V         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    534.3408    184.24  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    535.6431    189.10  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    536.9748    193.35  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    538.3323    197.10  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    539.7123    200.37  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    541.1134    203.44  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    542.5336    206.22  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    543.9708    208.67  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    545.4231    210.88  .      Q  V         .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    546.8890    212.86  .      Q  V         .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    548.3666    214.54  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    549.8550    216.12  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    551.3545    217.72  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    552.8623    218.94  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    554.3763    219.84  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    555.8967    220.76  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    557.4235    221.69  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    558.9567    222.63  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    560.4965    223.57  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    562.0428    224.52  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    563.5957    225.49  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    565.1553    226.46  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    566.7217    227.44  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    568.2949    228.43  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    569.8750    229.43  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    571.4620    230.44  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    573.0561    231.46  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    574.6572    232.49  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    576.2656    233.53  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    577.8811    234.58  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    579.5040    235.64  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    581.1342    236.71  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    582.7718    237.79  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    584.4170    238.88  .      Q  .V        .         .         .
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 (PEAK DAY 1, HOUR   3.750)
  99.833    586.0698    239.98  .      Q  .V       .         .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    587.7298    241.04  .       Q .V       .         .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    589.3967    242.03  .       Q .V       .         .         .
 (PEAK DAY 1, HOUR   4.000)
 100.083    591.0704    243.02  .       Q .V       .         .         .
 (PEAK DAY 1, HOUR   4.083)
 100.167    592.7510    244.03  .       Q .V       .         .         .
 (PEAK DAY 1, HOUR   4.167)
 100.250    594.4386    245.04  .       Q .V       .         .         .
 (PEAK DAY 1, HOUR   4.250)
 100.333    596.1333    246.07  .       Q .V       .         .         .
 (PEAK DAY 1, HOUR   4.333)
 100.417    597.8351    247.11  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   4.417)
 100.500    599.5443    248.16  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   4.500)
 100.583    601.2606    249.22  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   4.583)
 100.667    602.9844    250.29  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   4.667)
 100.750    604.7156    251.38  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   4.750)
 100.833    606.4545    252.48  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   4.833)
 100.917    608.2009    253.59  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   4.917)
 101.000    609.9551    254.71  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.000)
 101.083    611.7172    255.85  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.083)
 101.167    613.4871    257.00  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.167)
 101.250    615.2651    258.16  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.250)
 101.333    617.0513    259.34  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.333)
 101.417    618.8456    260.53  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.417)
 101.500    620.6482    261.74  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.500)
 101.583    622.4592    262.96  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.583)
 101.667    624.2787    264.20  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.667)
 101.750    626.1069    265.45  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.750)
 101.833    627.9437    266.71  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.833)
 101.917    629.7894    267.99  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   5.917)
 102.000    631.6440    269.29  .       Q . V      .         .         .
 (PEAK DAY 1, HOUR   6.000)
 102.083    633.5078    270.61  .        Q. V      .         .         .
 (PEAK DAY 1, HOUR   6.083)
 102.167    635.3806    271.94  .        Q. V      .         .         .
 (PEAK DAY 1, HOUR   6.167)
 102.250    637.2628    273.29  .        Q. V      .         .         .
 (PEAK DAY 1, HOUR   6.250)
 102.333    639.1543    274.65  .        Q. V      .         .         .
 (PEAK DAY 1, HOUR   6.333)
 102.417    641.0554    276.04  .        Q. V      .         .         .
 (PEAK DAY 1, HOUR   6.417)
 102.500    642.9662    277.44  .        Q. V      .         .         .
 (PEAK DAY 1, HOUR   6.500)
 102.583    644.8867    278.86  .        Q. V      .         .         .
 (PEAK DAY 1, HOUR   6.583)
 102.667    646.8172    280.31  .        Q. V      .         .         .
 (PEAK DAY 1, HOUR   6.667)
 102.750    648.7578    281.77  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   6.750)
 102.833    650.7085    283.25  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   6.833)
 102.917    652.6696    284.75  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   6.917)
 103.000    654.6411    286.27  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   7.000)
 103.083    656.6233    287.81  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   7.083)
 103.167    658.6163    289.38  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   7.167)
 103.250    660.6202    290.97  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   7.250)
 103.333    662.6352    292.58  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   7.333)
 103.417    664.6614    294.21  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   7.417)
 103.500    666.6991    295.87  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   7.500)
 103.583    668.7484    297.55  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   7.583)
 103.667    670.8094    299.26  .        Q.  V     .         .         .
 (PEAK DAY 1, HOUR   7.667)
 103.750    672.8823    300.99  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   7.750)
 103.833    674.9674    302.76  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   7.833)
 103.917    677.0648    304.54  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   7.917)
 104.000    679.1747    306.36  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   8.000)
 104.083    681.2974    308.20  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   8.083)
 104.167    683.4329    310.08  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   8.167)
 104.250    685.5815    311.98  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   8.250)
 104.333    687.7434    313.91  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   8.333)
 104.417    689.9189    315.88  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   8.417)
 104.500    692.1081    317.88  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   8.500)
 104.583    694.3113    319.91  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   8.583)
 104.667    696.5288    321.97  .         Q  V     .         .         .
 (PEAK DAY 1, HOUR   8.667)
 104.750    698.7607    324.07  .         Q   V    .         .         .
 (PEAK DAY 1, HOUR   8.750)
 104.833    701.0074    326.21  .         Q   V    .         .         .
 (PEAK DAY 1, HOUR   8.833)
 104.917    703.2690    328.38  .         Q   V    .         .         .
 (PEAK DAY 1, HOUR   8.917)
 105.000    705.5458    330.60  .         .Q  V    .         .         .
 (PEAK DAY 1, HOUR   9.000)
 105.083    707.8382    332.85  .         .Q  V    .         .         .
 (PEAK DAY 1, HOUR   9.083)
 105.167    710.1463    335.14  .         .Q  V    .         .         .
 (PEAK DAY 1, HOUR   9.167)
 105.250    712.4705    337.47  .         .Q  V    .         .         .
 (PEAK DAY 1, HOUR   9.250)
 105.333    714.8111    339.85  .         .Q  V    .         .         .
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 (PEAK DAY 1, HOUR   9.333)
105.417    717.1683    342.27  .         .Q  V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500    719.5425    344.74  .         .Q  V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    721.9341    347.25  .         .Q  V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    724.3433    349.81  .         .Q  V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    726.7704    352.43  .         .Q  V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    729.2159    355.09  .         .Q  V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    731.6802    357.81  .         .Q  V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    734.1635    360.58  .         . Q V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    736.6663    363.41  .         . Q V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    739.1890    366.30  .         . Q V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    741.7321    369.25  .         . Q V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    744.2958    372.26  .         . Q V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    746.8808    375.34  .         . Q  V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    749.4874    378.48  .         . Q  V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    752.1161    381.69  .         . Q  V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    754.7675    384.98  .         . Q  V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    757.4420    388.34  .         . Q  V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    760.1402    391.78  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    762.8566    394.42  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    765.5826    395.82  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    768.3181    397.20  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    771.0670    399.14  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    773.8323    401.53  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    776.6166    404.28  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    779.4221    407.34  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    782.2503    410.66  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    785.1030    414.20  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    787.9813    417.94  .         .  Q V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    790.8867    421.86  .         .   QV    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    793.8201    425.94  .         .   QV    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    796.7828    430.19  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    799.7759    434.59  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    802.8016    439.34  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    805.8658    444.92  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    808.9641    449.87  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    812.0900    453.87  .         .    QV   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    815.2506    458.93  .         .    QV   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    818.4614    466.21  .         .    QV   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    821.7391    475.91  .         .    QV   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    825.0928    486.96  .         .     Q   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    828.5153    496.94  .         .     Q   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    831.9912    504.70  .         .     Q   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    835.5162    511.83  .         .     VQ  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    839.0923    519.26  .         .     VQ  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    842.7216    526.96  .         .     VQ  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    846.4056    534.92  .         .      Q  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    850.1369    541.79  .         .      VQ .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    853.9033    546.88  .         .      VQ .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    857.7017    551.53  .         .      VQ .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    861.5344    556.52  .         .      VQ .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    865.4043    561.91  .         .      VQ .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    869.3142    567.72  .         .      VQ .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    873.2674    574.00  .         .      V Q.         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    877.2672    580.76  .         .      V Q.         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    881.3170    588.04  .         .      V Q.         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    885.4207    595.85  .         .      V Q.         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    889.5828    604.34  .         .      V  Q         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    893.8101    613.80  .         .      V  Q         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    898.1030    623.33  .         .       V Q         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    902.4569    632.19  .         .       V .Q        .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    906.8763    641.70  .         .       V .Q        .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    911.3768    653.47  .         .       V .Q        .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    915.9759    667.79  .         .       V . Q       .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    920.6863    683.95  .         .       V . Q       .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    925.5094    700.31  .         .       V .  Q      .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    930.4432    716.39  .         .       V .  Q      .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    935.4922    733.12  .         .       V .   Q     .         .
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(PEAK DAY 1, HOUR 14.917)
111.000 940.6625 750.72 . . V . Q . .
(PEAK DAY 1, HOUR 15.000)
111.083 945.9332 765.31 . . V . Q . .
(PEAK DAY 1, HOUR 15.083)
111.167 951.2778 776.04 . . V. Q . .
(PEAK DAY 1, HOUR 15.167)
111.250 956.6956 786.66 . . V. Q . .
(PEAK DAY 1, HOUR 15.250)
111.333 962.1904 797.84 . . V. Q . .
(PEAK DAY 1, HOUR 15.333)
111.417 967.7659 809.57 . . V. Q . .
(PEAK DAY 1, HOUR 15.417)
111.500 973.4226 821.35 . . V. Q . .
(PEAK DAY 1, HOUR 15.500)
111.583 979.1534 832.10 . . V. Q . .
(PEAK DAY 1, HOUR 15.583)
111.667 984.9529 842.10 . . V. Q . .
(PEAK DAY 1, HOUR 15.667)
111.750 990.8215 852.12 . . V. Q . .
(PEAK DAY 1, HOUR 15.750)
111.833 996.7561 861.70 . . V Q . .
(PEAK DAY 1, HOUR 15.833)
111.917 1002.7538 870.86 . . V Q. .
(PEAK DAY 1, HOUR 15.917)
112.000 1008.8176 880.46 . . V Q. .
(PEAK DAY 1, HOUR 16.000)
112.083 1014.9598 891.86 . . V Q. .
(PEAK DAY 1, HOUR 16.083)
112.167 1021.2043 906.70 . . V Q .
(PEAK DAY 1, HOUR 16.167)
112.250 1027.5797 925.70 . . V Q .
(PEAK DAY 1, HOUR 16.250)
112.333 1034.1084 947.97 . . V .Q .
(PEAK DAY 1, HOUR 16.333)
112.417 1040.8202 974.56 . . V . Q .
(PEAK DAY 1, HOUR 16.417)
112.500 1047.7629 1008.09 . . .V . Q .
(PEAK DAY 1, HOUR 16.500)
112.583 1054.9073 1037.38 . . .V . Q .
(PEAK DAY 1, HOUR 16.583)
112.667 1062.1606 1053.19 . . .V . Q .
(PEAK DAY 1, HOUR 16.667)
112.750 1069.4797 1062.73 . . .V . Q .
(PEAK DAY 1, HOUR 16.750)
112.833 1076.8574 1071.24 . . .V . Q .
(PEAK DAY 1, HOUR 16.833)
112.917 1084.2900 1079.21 . . .V . Q .
(PEAK DAY 1, HOUR 16.917)
113.000 1091.7726 1086.46 . . .V . Q .
(PEAK DAY 1, HOUR 17.000)
113.083 1099.3009 1093.11 . . . V . Q .
(PEAK DAY 1, HOUR 17.083)
113.167 1106.8721 1099.34 . . . V . Q .
(PEAK DAY 1, HOUR 17.167)
113.250 1114.4825 1105.04 . . . V . Q .
(PEAK DAY 1, HOUR 17.250)
113.333 1122.1273 1110.03 . . . V . Q .
(PEAK DAY 1, HOUR 17.333)
113.417 1129.8021 1114.38 . . . V . Q .
(PEAK DAY 1, HOUR 17.417)
113.500 1137.5017 1117.98 . . . V . Q .
(PEAK DAY 1, HOUR 17.500)
113.583 1145.2206 1120.78 . . . V . Q .
(PEAK DAY 1, HOUR 17.583)
113.667 1152.9541 1122.92 . . . V . Q .
(PEAK DAY 1, HOUR 17.667)
113.750 1160.6989 1124.53 . . . V . Q .
(PEAK DAY 1, HOUR 17.750)
113.833 1168.4514 1125.67 . . . V . Q .
(PEAK DAY 1, HOUR 17.833)
113.917 1176.2091 1126.42 . . . V . Q .
(PEAK DAY 1, HOUR 17.917)
114.000 1183.9698 1126.86 . . . V . Q .
(PEAK DAY 1, HOUR 18.000)
114.083 1191.7310 1126.90 . . . V . Q .
(PEAK DAY 1, HOUR 18.083)
114.167 1199.4897 1126.58 . . . V . Q .
(PEAK DAY 1, HOUR 18.167)
114.250 1207.2448 1126.03 . . . V . Q .
(PEAK DAY 1, HOUR 18.250)
114.333 1214.9949 1125.32 . . . V . Q .
(PEAK DAY 1, HOUR 18.333)
114.417 1222.7390 1124.45 . . . V . Q .
(PEAK DAY 1, HOUR 18.417)
114.500 1230.4760 1123.40 . . . V . Q .
(PEAK DAY 1, HOUR 18.500)
114.583 1238.2043 1122.17 . . . V . Q .
(PEAK DAY 1, HOUR 18.583)
114.667 1245.9233 1120.80 . . . V . Q .
(PEAK DAY 1, HOUR 18.667)
114.750 1253.6322 1119.32 . . . V . Q .
(PEAK DAY 1, HOUR 18.750)
114.833 1261.3302 1117.76 . . . V . Q .
(PEAK DAY 1, HOUR 18.833)
114.917 1269.0170 1116.11 . . . V . Q .
(PEAK DAY 1, HOUR 18.917)
115.000 1276.6919 1114.40 . . . V . Q .
(PEAK DAY 1, HOUR 19.000)
115.083 1284.3546 1112.63 . . . V . Q .
(PEAK DAY 1, HOUR 19.083)
115.167 1292.0049 1110.82 . . . V . Q .
(PEAK DAY 1, HOUR 19.167)
115.250 1299.6423 1108.96 . . . V . Q .
(PEAK DAY 1, HOUR 19.250)
115.333 1307.2667 1107.06 . . . V . Q .
(PEAK DAY 1, HOUR 19.333)
115.417 1314.8778 1105.13 . . . V . Q .
(PEAK DAY 1, HOUR 19.417)
115.500 1322.4755 1103.18 . . . V . Q .
(PEAK DAY 1, HOUR 19.500)
115.583 1330.0594 1101.19 . . . V . Q .
(PEAK DAY 1, HOUR 19.583)
115.667 1337.6295 1099.17 . . . V . Q .
(PEAK DAY 1, HOUR 19.667)
115.750 1345.1854 1097.12 . . . V . Q .
(PEAK DAY 1, HOUR 19.750)
115.833 1352.7271 1095.05 . . . V . Q .
(PEAK DAY 1, HOUR 19.833)
115.917 1360.2546 1093.01 . . . V . Q .
(PEAK DAY 1, HOUR 19.917)
116.000 1367.7684 1091.01 . . . V . Q .
(PEAK DAY 1, HOUR 20.000)
116.083 1375.2683 1088.98 . . . V . Q .
(PEAK DAY 1, HOUR 20.083)
116.167 1382.7540 1086.93 . . . V . Q .
(PEAK DAY 1, HOUR 20.167)
116.250 1390.2256 1084.87 . . . V . Q .
(PEAK DAY 1, HOUR 20.250)
116.333 1397.6829 1082.79 . . . V . Q .
(PEAK DAY 1, HOUR 20.333)
116.417 1405.1257 1080.70 . . . V . Q .
(PEAK DAY 1, HOUR 20.417)
116.500 1412.5541 1078.59 . . . V . Q .

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 (PEAK DAY 1, HOUR  20.500)
116.583   1419.9679   1076.48  .         .         .       V .    Q    .
 (PEAK DAY 1, HOUR  20.583)
116.667   1427.3671   1074.35  .         .         .       V .    Q    .
 (PEAK DAY 1, HOUR  20.667)
116.750   1434.7515   1072.21  .         .         .       V .    Q    .
 (PEAK DAY 1, HOUR  20.750)
116.833   1442.1211   1070.07  .         .         .       V .    Q    .
 (PEAK DAY 1, HOUR  20.833)
116.917   1449.4758   1067.91  .         .         .        V.    Q    .
 (PEAK DAY 1, HOUR  20.917)
117.000   1456.8157   1065.75  .         .         .        V.    Q    .
 (PEAK DAY 1, HOUR  21.000)
117.083   1464.1411   1063.66  .         .         .        V.    Q    .
 (PEAK DAY 1, HOUR  21.083)
117.167   1471.4528   1061.65  .         .         .        V.    Q    .
 (PEAK DAY 1, HOUR  21.167)
117.250   1478.7505   1059.64  .         .         .        V.    Q    .
 (PEAK DAY 1, HOUR  21.250)
117.333   1486.0344   1057.62  .         .         .        V.    Q    .
 (PEAK DAY 1, HOUR  21.333)
117.417   1493.3044   1055.60  .         .         .        V.    Q    .
 (PEAK DAY 1, HOUR  21.417)
117.500   1500.5604   1053.57  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  21.500)
117.583   1507.8025   1051.54  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  21.583)
117.667   1515.0305   1049.51  .         .         .         V   Q     .
 (PEAK DAY 1, HOUR  21.667)
117.750   1522.2445   1047.47  .         .         .         V   Q     .
 (PEAK DAY 1, HOUR  21.750)
117.833   1529.4445   1045.43  .         .         .         V   Q     .
 (PEAK DAY 1, HOUR  21.833)
117.917   1536.6304   1043.39  .         .         .         V   Q     .
 (PEAK DAY 1, HOUR  21.917)
118.000   1543.8021   1041.35  .         .         .        .V  Q     .
 (PEAK DAY 1, HOUR  22.000)
118.083   1550.9597   1039.29  .         .         .        .V  Q     .
 (PEAK DAY 1, HOUR  22.083)
118.167   1558.0963   1036.23  .         .         .        .V  Q     .
 (PEAK DAY 1, HOUR  22.167)
118.250   1565.2050   1032.18  .         .         .        .V  Q     .
 (PEAK DAY 1, HOUR  22.250)
118.333   1572.2858   1028.14  .         .         .        .V  Q     .
 (PEAK DAY 1, HOUR  22.333)
118.417   1579.3389   1024.10  .         .         .        .V  Q     .
 (PEAK DAY 1, HOUR  22.417)
118.500   1586.3643   1020.08  .         .         .        .V  Q     .
 (PEAK DAY 1, HOUR  22.500)
118.583   1593.3619   1016.06  .         .         .        . VQ      .
 (PEAK DAY 1, HOUR  22.583)
118.667   1600.3320   1012.05  .         .         .        . VQ      .
 (PEAK DAY 1, HOUR  22.667)
118.750   1607.2745   1008.06  .         .         .        . VQ      .
 (PEAK DAY 1, HOUR  22.750)
118.833   1614.1896   1004.07  .         .         .        . VQ      .
 (PEAK DAY 1, HOUR  22.833)
118.917   1621.0773   1000.09  .         .         .        . VQ      .
 (PEAK DAY 1, HOUR  22.917)
119.000   1627.9376    996.12  .         .         .        . VQ      .
 (PEAK DAY 1, HOUR  23.000)
119.083   1634.7706    992.16  .         .         .        . VQ      .
 (PEAK DAY 1, HOUR  23.083)
119.167   1641.5762    988.17  .         .         .        . Q       .
 (PEAK DAY 1, HOUR  23.167)
119.250   1648.3536    984.10  .         .         .        . QV      .
 (PEAK DAY 1, HOUR  23.250)
119.333   1655.1028    979.97  .         .         .        . QV      .
 (PEAK DAY 1, HOUR  23.333)
119.417   1661.8236    975.86  .         .         .        . QV      .
 (PEAK DAY 1, HOUR  23.417)
119.500   1668.5161    971.76  .         .         .        . QV      .
 (PEAK DAY 1, HOUR  23.500)
119.583   1675.1805    967.67  .         .         .        . QV      .
 (PEAK DAY 1, HOUR  23.583)
119.667   1681.8169    963.60  .         .         .        . QV      .
 (PEAK DAY 1, HOUR  23.667)
119.750   1688.4253    959.54  .         .         .        .Q V      .
 (PEAK DAY 1, HOUR  23.750)
119.833   1695.0057    955.49  .         .         .        .Q  V     .
 (PEAK DAY 1, HOUR  23.833)
119.917   1701.5585    951.45  .         .         .        .Q  V     .
 (PEAK DAY 1, HOUR  23.917)
120.000   1708.0835    947.43  .         .         .        .Q  V     .
 (PEAK DAY 1, HOUR  24.000)
120.083   1714.5808    943.41  .         .         .        .Q  V     .
 (PEAK DAY 1, HOUR  24.083)
120.167   1721.0504    939.39  .         .         .        .Q  V     .
 (PEAK DAY 1, HOUR  24.167)
120.250   1727.4912    935.20  .         .         .        .Q  V     .
 (PEAK DAY 1, HOUR  24.250)
120.333   1733.9015    930.78  .         .         .        .Q  V     .
 (PEAK DAY 1, HOUR  24.333)
120.417   1740.2804    926.22  .         .         .        Q   V     .
 (PEAK DAY 1, HOUR  24.417)
120.500   1746.6268    921.50  .         .         .        Q    V    .
 (PEAK DAY 1, HOUR  24.500)
120.583   1752.9395    916.59  .         .         .        Q    V    .
 (PEAK DAY 1, HOUR  24.583)
120.667   1759.2175    911.57  .         .         .        Q    V    .
 (PEAK DAY 1, HOUR  24.667)
120.750   1765.4606    906.49  .         .         .        Q    V    .
 (PEAK DAY 1, HOUR  24.750)
120.833   1771.6683    901.37  .         .         .        Q    V    .
 (PEAK DAY 1, HOUR  24.833)
120.917   1777.8407    896.23  .         .         .       Q.    V    .
 (PEAK DAY 1, HOUR  24.917)
121.000   1783.9777    891.08  .         .         .       Q.    V    .
 (PEAK DAY 1, HOUR  25.000)
121.083   1790.0791    885.92  .         .         .       Q.    V    .
 (PEAK DAY 1, HOUR  25.083)
121.167   1796.1440    880.63  .         .         .       Q.     V   .
 (PEAK DAY 1, HOUR  25.167)
121.250   1802.1713    875.14  .         .         .       Q.     V   .
 (PEAK DAY 1, HOUR  25.250)
121.333   1808.1603    869.60  .         .         .      Q .     V   .
 (PEAK DAY 1, HOUR  25.333)
121.417   1814.1112    864.07  .         .         .      Q .     V   .
 (PEAK DAY 1, HOUR  25.417)
121.500   1820.0242    858.56  .         .         .      Q .     V   .
 (PEAK DAY 1, HOUR  25.500)
121.583   1825.8993    853.06  .         .         .      Q .     V   .
 (PEAK DAY 1, HOUR  25.583)
121.667   1831.7367    847.59  .         .         .      Q .     V   .
 (PEAK DAY 1, HOUR  25.667)
121.750   1837.5365    842.14  .         .         .      Q .     V   .
 (PEAK DAY 1, HOUR  25.750)
121.833   1843.2990    836.71  .         .         .     Q  .      V  .
 (PEAK DAY 1, HOUR  25.833)
121.917   1849.0243    831.32  .         .         .     Q  .      V  .
 (PEAK DAY 1, HOUR  25.917)
122.000   1854.7117    825.80  .         .         .     Q  .      V  .
 (PEAK DAY 1, HOUR  26.000)
122.083   1860.3563    819.61  .         .         .     Q  .      V  .
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 (PEAK DAY 1, HOUR  26.083)
 122.167   1865.9550    812.92  .         .         .      Q  .       V  .
 (PEAK DAY 1, HOUR  26.167)
 122.250   1871.5078    806.27  .         .         .     Q   .       V  .
 (PEAK DAY 1, HOUR  26.250)
 122.333   1877.0153    799.68  .         .         .     Q   .       V  .
 (PEAK DAY 1, HOUR  26.333)
 122.417   1882.4777    793.15  .         .         .     Q   .       V  .
 (PEAK DAY 1, HOUR  26.417)
 122.500   1887.8954    786.66  .         .         .     Q   .       V  .
 (PEAK DAY 1, HOUR  26.500)
 122.583   1893.2688    780.23  .         .         .     Q   .        V .
 (PEAK DAY 1, HOUR  26.583)
 122.667   1898.5983    773.84  .         .         .    Q    .        V .
 (PEAK DAY 1, HOUR  26.667)
 122.750   1903.8842    767.51  .         .         .    Q    .        V .
 (PEAK DAY 1, HOUR  26.750)
 122.833   1909.1127    759.19  .         .         .    Q    .        V .
 (PEAK DAY 1, HOUR  26.833)
 122.917   1914.2646    748.07  .         .         .   Q     .        V .
 (PEAK DAY 1, HOUR  26.917)
 123.000   1919.3353    736.26  .         .         .   Q     .        V .
 (PEAK DAY 1, HOUR  27.000)
 123.083   1924.3259    724.63  .         .         .   Q     .        V .
 (PEAK DAY 1, HOUR  27.083)
 123.167   1929.2377    713.19  .         .         .  Q      .        V .
 (PEAK DAY 1, HOUR  27.167)
 123.250   1934.0719    701.92  .         .         .  Q      .        V .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1938.8234    689.91  .         .         . Q       .        V .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1943.4868    677.14  .         .         . Q       .         V.
 (PEAK DAY 1, HOUR  27.417)
 123.500   1948.0638    664.58  .         .         . Q       .         V.
 (PEAK DAY 1, HOUR  27.500)
 123.583   1952.5559    652.24  .         .         .Q        .         V.
 (PEAK DAY 1, HOUR  27.583)
 123.667   1956.9646    640.14  .         .         .Q        .         V.
 (PEAK DAY 1, HOUR  27.667)
 123.750   1961.2897    628.00  .         .         Q         .         V.
 (PEAK DAY 1, HOUR  27.750)
 123.833   1965.5114    612.99  .         .         Q         .         V.
 (PEAK DAY 1, HOUR  27.833)
 123.917   1969.6127    595.51  .         .        Q.         .         V.
 (PEAK DAY 1, HOUR  27.917)
 124.000   1973.5970    578.53  .         .        Q.         .         V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE = 5.2
----------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).
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ASSUMED REGULAR CHANNEL INFORMATION:
  BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
  UPSTREAM ELEVATION(FT) =     408.00
  DOWNSTREAM ELEVATION(FT) =     382.00
  CHANNEL LENGTH(FT) =    2533.00     MANNING'S FACTOR = 0.040
  CONSTANT LOSS RATE(CFS) =    0.00


CHANNEL ROUTING COEFFICIENT ESTIMATED:
  MAXIMUM INFLOW(CFS) =  1126.90
  AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =   887.64
  CHANNEL NORMAL VELOCITY FOR Q =   887.64 CFS =   8.33 FPS
  ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.831

MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
UNIT INTERVALS IS CSTAR = 0.864


CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	57.16	57.58	57.58
1	0.083	96.083	57.93	57.32	57.32
1	0.167	96.167	61.37	58.32	58.32
1	0.250	96.250	67.41	61.78	61.78
1	0.333	96.333	75.88	67.80	67.80
1	0.417	96.417	89.00	76.58	76.58
1	0.500	96.500	114.12	90.76	90.76
1	0.583	96.583	140.86	114.61	114.61
1	0.667	96.667	155.50	139.31	139.31
1	0.750	96.750	164.57	154.54	154.54
1	0.833	96.833	172.41	164.28	164.28
1	0.917	96.917	178.77	172.18	172.18
1	1.000	97.000	184.24	178.63	178.63
1	1.083	97.083	189.10	184.15	184.15
1	1.167	97.167	193.35	189.01	189.01
1	1.250	97.250	197.10	193.28	193.28
1	1.333	97.333	200.37	197.03	197.03
1	1.417	97.417	203.44	200.34	200.34
1	1.500	97.500	206.22	203.40	203.40
1	1.583	97.583	208.67	206.17	206.17
1	1.667	97.667	210.88	208.64	208.64
1	1.750	97.750	212.86	210.85	210.85
1	1.833	97.833	214.54	212.82	212.82
1	1.917	97.917	216.12	214.52	214.52
1	2.000	98.000	217.72	216.13	216.13
1	2.083	98.083	218.94	217.67	217.67
1	2.167	98.167	219.84	218.89	218.89
1	2.250	98.250	220.76	219.84	219.84
1	2.333	98.333	221.69	220.76	220.76
1	2.417	98.417	222.63	221.69	221.69
1	2.500	98.500	223.57	222.63	222.63
1	2.583	98.583	224.52	223.57	223.57
1	2.667	98.667	225.49	224.53	224.53
1	2.750	98.750	226.46	225.49	225.49
1	2.833	98.833	227.44	226.46	226.46
1	2.917	98.917	228.43	227.44	227.44
1	3.000	99.000	229.43	228.43	228.43
1	3.083	99.083	230.44	229.43	229.43
1	3.167	99.167	231.46	230.44	230.44
1	3.250	99.250	232.49	231.46	231.46
1	3.333	99.333	233.53	232.49	232.49
1	3.417	99.417	234.58	233.53	233.53

1	3.500	99.500	235.64	234.58	234.58
1	3.583	99.583	236.71	235.64	235.64
1	3.667	99.667	237.79	236.71	236.71
1	3.750	99.750	238.88	237.79	237.79
1	3.833	99.833	239.98	238.88	238.88
1	3.917	99.917	241.04	239.98	239.98
1	4.000	100.000	242.03	241.03	241.03
1	4.083	100.083	243.02	242.03	242.03
1	4.167	100.167	244.03	243.02	243.02
1	4.250	100.250	245.04	244.03	244.03
1	4.333	100.333	246.07	245.05	245.05
1	4.417	100.417	247.11	246.07	246.07
1	4.500	100.500	248.16	247.11	247.11
1	4.583	100.583	249.22	248.16	248.16
1	4.667	100.667	250.29	249.22	249.22
1	4.750	100.750	251.38	250.30	250.30
1	4.833	100.833	252.48	251.38	251.38
1	4.917	100.917	253.59	252.48	252.48
1	5.000	101.000	254.71	253.59	253.59
1	5.083	101.083	255.85	254.72	254.72
1	5.167	101.167	257.00	255.85	255.85
1	5.250	101.250	258.16	257.00	257.00
1	5.333	101.333	259.34	258.17	258.17
1	5.417	101.417	260.53	259.35	259.35
1	5.500	101.500	261.74	260.54	260.54
1	5.583	101.583	262.96	261.74	261.74
1	5.667	101.667	264.20	262.97	262.97
1	5.750	101.750	265.45	264.20	264.20
1	5.833	101.833	266.71	265.45	265.45
1	5.917	101.917	267.99	266.72	266.72
1	6.000	102.000	269.29	268.00	268.00
1	6.083	102.083	270.61	269.30	269.30
1	6.167	102.167	271.94	270.61	270.61
1	6.250	102.250	273.29	271.94	271.94
1	6.333	102.333	274.65	273.29	273.29
1	6.417	102.417	276.04	274.66	274.66
1	6.500	102.500	277.44	276.04	276.04
1	6.583	102.583	278.86	277.45	277.45
1	6.667	102.667	280.31	278.87	278.87
1	6.750	102.750	281.77	280.31	280.31
1	6.833	102.833	283.25	281.77	281.77
1	6.917	102.917	284.75	283.25	283.25
1	7.000	103.000	286.27	284.75	284.75
1	7.083	103.083	287.81	286.28	286.28
1	7.167	103.167	289.38	287.82	287.82
1	7.250	103.250	290.97	289.38	289.38
1	7.333	103.333	292.58	290.97	290.97
1	7.417	103.417	294.21	292.58	292.58
1	7.500	103.500	295.87	294.22	294.22
1	7.583	103.583	297.55	295.88	295.88
1	7.667	103.667	299.26	297.56	297.56
1	7.750	103.750	300.99	299.27	299.27
1	7.833	103.833	302.76	301.00	301.00
1	7.917	103.917	304.54	302.76	302.76
1	8.000	104.000	306.36	304.55	304.55
1	8.083	104.083	308.20	306.37	306.37
1	8.167	104.167	310.08	308.21	308.21
1	8.250	104.250	311.98	310.08	310.08
1	8.333	104.333	313.91	311.99	311.99
1	8.417	104.417	315.88	313.92	313.92
1	8.500	104.500	317.88	315.89	315.89
1	8.583	104.583	319.91	317.88	317.88
1	8.667	104.667	321.97	319.92	319.92
1	8.750	104.750	324.07	321.98	321.98
1	8.833	104.833	326.21	324.08	324.08
1	8.917	104.917	328.38	326.22	326.22
1	9.000	105.000	330.60	328.39	328.39
1	9.083	105.083	332.85	330.60	330.60
1	9.167	105.167	335.14	332.86	332.86
1	9.250	105.250	337.47	335.15	335.15
1	9.333	105.333	339.85	337.48	337.48
1	9.417	105.417	342.27	339.86	339.86
1	9.500	105.500	344.74	342.28	342.28
1	9.583	105.583	347.25	344.75	344.75
1	9.667	105.667	349.81	347.26	347.26
1	9.750	105.750	352.43	349.83	349.83
1	9.833	105.833	355.09	352.44	352.44
1	9.917	105.917	357.81	355.10	355.10
1	10.000	106.000	360.58	357.82	357.82
1	10.083	106.083	363.41	360.59	360.59
1	10.167	106.167	366.30	363.42	363.42
1	10.250	106.250	369.25	366.31	366.31
1	10.333	106.333	372.26	369.26	369.26
1	10.417	106.417	375.34	372.27	372.27
1	10.500	106.500	378.48	375.35	375.35
1	10.583	106.583	381.69	378.50	378.50
1	10.667	106.667	384.98	381.71	381.71
1	10.750	106.750	388.34	385.00	385.00
1	10.833	106.833	391.78	388.36	388.36
1	10.917	106.917	394.42	391.68	391.68
1	11.000	107.000	395.82	394.24	394.24
1	11.083	107.083	397.20	395.79	395.79
1	11.167	107.167	399.14	397.27	397.27
1	11.250	107.250	401.53	399.21	399.21
1	11.333	107.333	404.28	401.59	401.59
1	11.417	107.417	407.34	404.34	404.34
1	11.500	107.500	410.66	407.39	407.39
1	11.583	107.583	414.20	410.70	410.70
1	11.667	107.667	417.94	414.24	414.24
1	11.750	107.750	421.86	417.97	417.97
1	11.833	107.833	425.94	421.89	421.89
1	11.917	107.917	430.19	425.97	425.97
1	12.000	108.000	434.59	430.22	430.22
1	12.083	108.083	439.34	434.64	434.64
1	12.167	108.167	444.92	439.47	439.47
1	12.250	108.250	449.87	444.86	444.86
1	12.333	108.333	453.87	449.74	449.74
1	12.417	108.417	458.93	454.00	454.00
1	12.500	108.500	466.21	459.26	459.26
1	12.583	108.583	475.91	466.59	466.59
1	12.667	108.667	486.96	476.16	476.16
1	12.750	108.750	496.94	486.86	486.86
1	12.833	108.833	504.70	496.64	496.64
1	12.917	108.917	511.83	504.58	504.58
1	13.000	109.000	519.26	511.86	511.86
1	13.083	109.083	526.96	519.31	519.31
1	13.167	109.167	534.92	527.01	527.01
1	13.250	109.250	541.79	534.79	534.79
1	13.333	109.333	546.88	541.54	541.54
1	13.417	109.417	551.53	546.79	546.79
1	13.500	109.500	556.52	551.57	551.57
1	13.583	109.583	561.91	556.59	556.59
1	13.667	109.667	567.72	561.98	561.98
1	13.750	109.750	574.00	567.80	567.80
1	13.833	109.833	580.76	574.09	574.09
1	13.917	109.917	588.04	580.85	580.85
1	14.000	110.000	595.85	588.13	588.13
1	14.083	110.083	604.34	595.97	595.97
1	14.167	110.167	613.80	604.50	604.50
1	14.250	110.250	623.33	613.84	613.84
1	14.333	110.333	632.19	623.26	623.26
1	14.417	110.417	641.70	632.28	632.28
1	14.500	110.500	653.47	642.03	642.03
1	14.583	110.583	667.79	653.88	653.88

1	14.667	110.667	683.95	668.11	668.11
1	14.750	110.750	700.31	684.04	684.04
1	14.833	110.833	716.39	700.31	700.31
1	14.917	110.917	733.12	716.50	716.50
1	15.000	111.000	750.72	733.27	733.27
1	15.083	111.083	765.31	750.35	750.35
1	15.167	111.167	776.04	764.75	764.75
1	15.250	111.250	786.66	775.96	775.96
1	15.333	111.333	797.84	786.74	786.74
1	15.417	111.417	809.57	797.94	797.94
1	15.500	111.500	821.35	809.60	809.60
1	15.583	111.583	832.10	821.23	821.23
1	15.667	111.667	842.10	832.00	832.00
1	15.750	111.750	852.12	842.10	842.10
1	15.833	111.833	861.70	852.07	852.07
1	15.917	111.917	870.86	861.65	861.65
1	16.000	112.000	880.46	870.93	870.93
1	16.083	112.083	891.86	880.73	880.73
1	16.167	112.167	906.70	892.38	892.38
1	16.250	112.250	925.70	907.36	907.36
1	16.333	112.333	947.97	926.26	926.26
1	16.417	112.417	974.56	948.66	948.66
1	16.500	112.500	1008.09	975.63	975.63
1	16.583	112.583	1037.38	1007.69	1007.69
1	16.667	112.667	1053.19	1035.51	1035.51
1	16.750	112.750	1062.73	1052.10	1052.10
1	16.833	112.833	1071.24	1062.45	1062.45
1	16.917	112.917	1079.21	1071.14	1071.14
1	17.000	113.000	1086.46	1079.11	1079.11
1	17.083	113.083	1093.11	1086.38	1086.38
1	17.167	113.167	1099.34	1093.05	1093.05
1	17.250	113.250	1105.04	1099.27	1099.27
1	17.333	113.333	1110.03	1104.94	1104.94
1	17.417	113.417	1114.38	1109.93	1109.93
1	17.500	113.500	1117.98	1114.27	1114.27
1	17.583	113.583	1120.78	1117.86	1117.86
1	17.667	113.667	1122.92	1120.67	1120.67
1	17.750	113.750	1124.53	1122.83	1122.83
1	17.833	113.833	1125.67	1124.46	1124.46
1	17.917	113.917	1126.42	1125.61	1125.61
1	18.000	114.000	1126.86	1126.37	1126.37
1	18.083	114.083	1126.90	1126.80	1126.80
1	18.167	114.167	1126.58	1126.85	1126.85
1	18.250	114.250	1126.03	1126.54	1126.54
1	18.333	114.333	1125.32	1126.00	1126.00
1	18.417	114.417	1124.45	1125.29	1125.29
1	18.500	114.500	1123.40	1124.42	1124.42
1	18.583	114.583	1122.17	1123.37	1123.37
1	18.667	114.667	1120.80	1122.14	1122.14
1	18.750	114.750	1119.32	1120.78	1120.78
1	18.833	114.833	1117.76	1119.30	1119.30
1	18.917	114.917	1116.11	1117.74	1117.74
1	19.000	115.000	1114.40	1116.10	1116.10
1	19.083	115.083	1112.63	1114.39	1114.39
1	19.167	115.167	1110.82	1112.62	1112.62
1	19.250	115.250	1108.96	1110.81	1110.81
1	19.333	115.333	1107.06	1108.95	1108.95
1	19.417	115.417	1105.13	1107.05	1107.05
1	19.500	115.500	1103.18	1105.13	1105.13
1	19.583	115.583	1101.19	1103.17	1103.17
1	19.667	115.667	1099.17	1101.18	1101.18
1	19.750	115.750	1097.12	1099.16	1099.16
1	19.833	115.833	1095.05	1097.12	1097.12
1	19.917	115.917	1093.01	1095.05	1095.05
1	20.000	116.000	1091.01	1093.01	1093.01
1	20.083	116.083	1088.98	1091.00	1091.00
1	20.167	116.167	1086.93	1088.97	1088.97
1	20.250	116.250	1084.87	1086.92	1086.92
1	20.333	116.333	1082.79	1084.86	1084.86
1	20.417	116.417	1080.70	1082.78	1082.78
1	20.500	116.500	1078.59	1080.69	1080.69
1	20.583	116.583	1076.48	1078.59	1078.59
1	20.667	116.667	1074.35	1076.47	1076.47
1	20.750	116.750	1072.21	1074.35	1074.35
1	20.833	116.833	1070.07	1072.21	1072.21
1	20.917	116.917	1067.91	1070.06	1070.06
1	21.000	117.000	1065.75	1067.91	1067.91
1	21.083	117.083	1063.66	1065.76	1065.76
1	21.167	117.167	1061.65	1063.67	1063.67
1	21.250	117.250	1059.64	1061.65	1061.65
1	21.333	117.333	1057.62	1059.64	1059.64
1	21.417	117.417	1055.60	1057.62	1057.62
1	21.500	117.500	1053.57	1055.60	1055.60
1	21.583	117.583	1051.54	1053.57	1053.57
1	21.667	117.667	1049.51	1051.54	1051.54
1	21.750	117.750	1047.47	1049.51	1049.51
1	21.833	117.833	1045.43	1047.47	1047.47
1	21.917	117.917	1043.39	1045.43	1045.43
1	22.000	118.000	1041.35	1043.39	1043.39
1	22.083	118.083	1039.29	1041.34	1041.34
1	22.167	118.167	1036.23	1039.15	1039.15
1	22.250	118.250	1032.18	1036.07	1036.07
1	22.333	118.333	1028.14	1032.15	1032.15
1	22.417	118.417	1024.10	1028.13	1028.13
1	22.500	118.500	1020.08	1024.10	1024.10
1	22.583	118.583	1016.06	1020.07	1020.07
1	22.667	118.667	1012.05	1016.06	1016.06
1	22.750	118.750	1008.06	1012.05	1012.05
1	22.833	118.833	1004.07	1008.05	1008.05
1	22.917	118.917	1000.09	1004.06	1004.06
1	23.000	119.000	996.12	1000.08	1000.08
1	23.083	119.083	992.16	996.12	996.12
1	23.167	119.167	988.17	992.15	992.15
1	23.250	119.250	984.10	988.15	988.15
1	23.333	119.333	979.97	984.08	984.08
1	23.417	119.417	975.86	979.97	979.97
1	23.500	119.500	971.76	975.85	975.85
1	23.583	119.583	967.67	971.76	971.76
1	23.667	119.667	963.60	967.67	967.67
1	23.750	119.750	959.54	963.59	963.59
1	23.833	119.833	955.49	959.53	959.53
1	23.917	119.917	951.45	955.48	955.48
1	24.000	120.000	947.43	951.45	951.45
1	24.083	120.083	943.41	947.43	947.43
1	24.167	120.167	939.39	943.41	943.41
1	24.250	120.250	935.20	939.36	939.36
1	24.333	120.333	930.78	935.16	935.16
1	24.417	120.417	926.22	930.75	930.75
1	24.500	120.500	921.50	926.19	926.19
1	24.583	120.583	916.59	921.47	921.47
1	24.667	120.667	911.57	916.57	916.57
1	24.750	120.750	906.49	911.55	911.55
1	24.833	120.833	901.37	906.47	906.47
1	24.917	120.917	896.23	901.36	901.36
1	25.000	121.000	891.08	896.22	896.22
1	25.083	121.083	885.92	891.07	891.07
1	25.167	121.167	880.63	885.90	885.90
1	25.250	121.250	875.14	880.59	880.59
1	25.333	121.333	869.60	875.13	875.13
1	25.417	121.417	864.07	869.59	869.59
1	25.500	121.500	858.56	864.07	864.07
1	25.583	121.583	853.06	858.55	858.55
1	25.667	121.667	847.59	853.06	853.06
1	25.750	121.750	842.14	847.59	847.59

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  1   25.833 121.833       836.71      842.14      842.14
  1   25.917 121.917       831.32      836.71      836.71
  1   26.000 122.000       825.80      831.29      831.29
  1   26.083 122.083       819.61      825.70      825.70
  1   26.167 122.167       812.92      819.52      819.52
  1   26.250 122.250       806.27      812.90      812.90
  1   26.333 122.333       799.68      806.27      806.27
  1   26.417 122.417       793.15      799.68      799.68
  1   26.500 122.500       786.66      793.15      793.15
  1   26.583 122.583       780.23      786.66      786.66
  1   26.667 122.667       773.84      780.23      780.23
  1   26.750 122.750       767.51      773.84      773.84
  1   26.833 122.833       759.19      767.23      767.23
  1   26.917 122.917       748.07      758.76      758.76
  1   27.000 123.000       736.26      747.90      747.90
  1   27.083 123.083       724.63      736.25      736.25
  1   27.167 123.167       713.19      724.64      724.64
  1   27.250 123.250       701.92      713.20      713.20
  1   27.333 123.333       689.91      701.81      701.81
  1   27.417 123.417       677.14      689.77      689.77
  1   27.500 123.500       664.58      677.13      677.13
  1   27.583 123.583       652.24      664.59      664.59
  1   27.667 123.667       640.14      652.26      652.26
  1   27.750 123.750       628.00      640.12      640.12
  1   27.833 123.833       612.99      627.59      627.59
  1   27.917 123.917       595.51      612.58      612.58
  1   28.000 124.000       578.53      595.50      595.50
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1991.475 AF
    OUTFLOW VOLUME =   1991.475 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6300.00 TO NODE   6311.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   299.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     299.300 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.250 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
         +------------------+--------+--------+--------+--------+--------+
         | RAINFALL DEPTHS & |        |        |        |        |        |
         |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
         |==================+========+========+========+========+========|
         | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
         |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
         |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
         |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
         |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
         |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
         |==================+========+========+========+========+========|
         | LOSS RATE(IN/HR)  |   0.260|   0.260|   0.260|   0.260|   0.260|
         | LOW LOSS FRACTION |   0.500|   0.730|   0.930|   0.990|   0.990|
         +------------------+--------+--------+--------+--------+--------+
           5-MINUTE FACTOR = 0.987
          30-MINUTE FACTOR = 0.987
           1-HOUR FACTOR = 0.987
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

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     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                3.852               139.411
         2               18.445               528.231
         3               39.624               766.604
         4               55.845               587.160
         5               64.124               299.680
         6               70.038               214.036
         7               74.639               166.538
         8               78.230               130.017
         9               81.158               105.957
        10               83.587                87.936
        11               85.638                74.235
        12               87.267                58.971
        13               88.619                48.932
        14               89.699                39.084
        15               90.702                36.306
        16               91.629                33.565
        17               92.506                31.749
        18               93.325                29.632
        19               94.080                27.335
        20               94.768                24.914
        21               95.424                23.727
        22               95.971                19.796
        23               96.509                19.477
        24               97.020                18.507
        25               97.406                13.985
        26               97.766                13.021
        27               98.126                13.018
        28               98.458                12.019
        29               98.594                 4.931
        30               98.692                 3.557
        31               98.791                 3.557
        32               98.889                 3.550
        33               98.987                 3.557
        34               99.085                 3.551
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35	99.183	3.557
36	99.281	3.550
37	99.380	3.550
38	99.478	3.550
39	99.576	3.550
40	99.674	3.550
41	99.772	3.550
42	99.870	3.550
43	99.968	3.550
44	100.000	1.157

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 162.2768
TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 126.0595

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	175.0	350.0	525.0	700.0
96.000	32.8756	3.82	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	32.9046	4.22	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	32.9446	5.81	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	33.0007	8.14	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	33.0691	9.93	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	33.1439	10.86	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	33.2233	11.53	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	33.3064	12.07	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	33.3925	12.50	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	33.4810	12.85	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	33.5716	13.16	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	33.6640	13.42	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	33.7579	13.64	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	33.8532	13.83	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	33.9496	13.99	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	34.0470	14.15	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	34.1455	14.30	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	34.2449	14.44	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	34.3453	14.58	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	34.4466	14.71	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	34.5487	14.83	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	34.6517	14.96	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	34.7555	15.07	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	34.8601	15.18	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	34.9654	15.29	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	35.0714	15.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	35.1780	15.48	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	35.2853	15.58	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	35.3933	15.67	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	35.5017	15.75	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	35.6106	15.81	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	35.7200	15.88	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	35.8299	15.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	35.9403	16.03	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	36.0511	16.10	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	36.1625	16.17	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	36.2744	16.24	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	36.3867	16.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	36.4996	16.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	36.6130	16.47	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	36.7270	16.54	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	36.8414	16.62	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	36.9564	16.70	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	37.0720	16.78	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	37.1880	16.85	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	37.3045	16.92	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	37.4215	16.99	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	37.5390	17.06	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	37.6569	17.13	Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	37.7754	17.20	Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	37.8943	17.27	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	38.0138	17.35	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	38.1338	17.42	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	38.2543	17.50	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	38.3753	17.57	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	38.4969	17.65	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	38.6190	17.73	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	38.7416	17.81	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	38.8648	17.89	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	38.9885	17.97	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	39.1128	18.05	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	39.2377	18.13	.Q	. V	.	.	.

(PEAK DAY 1, HOUR 5.083)
101.167 39.3632 18.22 .Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 39.4892 18.30 .Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 39.6158 18.39 .Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 39.7430 18.47 .Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 39.8709 18.56 .Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 39.9993 18.65 .Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 40.1283 18.74 .Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 40.2580 18.83 .Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 40.3883 18.92 .Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 40.5193 19.02 .Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 40.6509 19.11 .Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 40.7832 19.21 .Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 40.9161 19.30 .Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 41.0497 19.40 .Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 41.1841 19.50 .Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 41.3191 19.60 .Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 41.4548 19.71 .Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 41.5912 19.81 .Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 41.7283 19.91 .Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 41.8662 20.02 .Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 42.0048 20.13 .Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 42.1442 20.24 .Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 42.2844 20.35 .Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 42.4253 20.46 .Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 42.5670 20.58 .Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 42.7096 20.69 .Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 42.8529 20.81 .Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 42.9970 20.93 .Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 43.1420 21.05 .Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 43.2879 21.18 .Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 43.4346 21.30 .Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 43.5822 21.43 .Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 43.7307 21.56 .Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 43.8801 21.69 .Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 44.0304 21.82 .Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 44.1816 21.96 .Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 44.3338 22.10 .Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 44.4869 22.24 .Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 44.6411 22.38 .Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 44.7962 22.52 .Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 44.9523 22.67 .Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 45.1095 22.82 .Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 45.2677 22.97 .Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 45.4270 23.13 .Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 45.5874 23.29 .Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 45.7489 23.45 .Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 45.9115 23.61 .Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 46.0752 23.78 .Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 46.2402 23.95 .Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 46.4063 24.12 .Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 46.5736 24.30 .Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 46.7422 24.48 .Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 46.9120 24.66 .Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 47.0831 24.85 .Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 47.2556 25.04 .Q . V . . .
(PEAK DAY 1, HOUR 9.667)
105.750 47.4293 25.23 .Q . V . . .
(PEAK DAY 1, HOUR 9.750)
105.833 47.6045 25.43 .Q . V . . .
(PEAK DAY 1, HOUR 9.833)
105.917 47.7810 25.63 .Q . V . . .
(PEAK DAY 1, HOUR 9.917)
106.000 47.9590 25.84 .Q . V . . .
(PEAK DAY 1, HOUR 10.000)
106.083 48.1383 26.05 .Q . V . . .
(PEAK DAY 1, HOUR 10.083)
106.167 48.3192 26.26 .Q . V . . .
(PEAK DAY 1, HOUR 10.167)
106.250 48.5016 26.48 .Q . V . . .
(PEAK DAY 1, HOUR 10.250)
106.333 48.6856 26.71 .Q . V . . .
(PEAK DAY 1, HOUR 10.333)
106.417 48.8711 26.94 .Q . V . . .
(PEAK DAY 1, HOUR 10.417)
106.500 49.0583 27.18 .Q . V . . .
(PEAK DAY 1, HOUR 10.500)
106.583 49.2471 27.42 .Q . V . . .
(PEAK DAY 1, HOUR 10.583)
106.667 49.4376 27.66 .Q . V . . .

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 (PEAK DAY 1, HOUR  10.667)
106.750     49.6299     27.91  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833     49.8239     28.17  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917     50.0198     28.44  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000     50.2175     28.71  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083     50.4171     28.99  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167     50.6187     29.27  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250     50.8223     29.57  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333     51.0280     29.87  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417     51.2359     30.17  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500     51.4459     30.49  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583     51.6581     30.82  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667     51.8727     31.15  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750     52.0896     31.50  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833     52.3090     31.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917     52.5309     32.22  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000     52.7554     32.60  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083     52.9850     33.34  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167     53.2266     35.09  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250     53.4846     37.46  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333     53.7559     39.39  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417     54.0356     40.62  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500     54.3224     41.64  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583     54.6155     42.56  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667     54.9144     43.40  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750     55.2188     44.20  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833     55.5286     44.98  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917     55.8436     45.74  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000     56.1638     46.49  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083     56.4890     47.23  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167     56.8194     47.97  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250     57.1551     48.73  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333     57.4961     49.52  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417     57.8427     50.33  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500     58.1951     51.16  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583     58.5534     52.03  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667     58.9178     52.92  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750     59.2887     53.85  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833     59.6663     54.82  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917     60.0508     55.83  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000     60.4427     56.90  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083     60.8424     58.05  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167     61.2514     59.39  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250     61.6706     60.87  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333     62.1002     62.37  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417     62.5398     63.84  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500     62.9900     65.37  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583     63.4513     66.98  .  Q      .         V         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667     63.9245     68.71  .  Q      .         V         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750     64.4112     70.66  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833     64.9150     73.15  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917     65.4407     76.34  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000     65.9935     80.25  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083     66.5774     84.78  .   Q     .         .V        .         .
 (PEAK DAY 1, HOUR  15.083)
111.167     67.1973     90.01  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  15.167)
111.250     67.8580     95.94  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  15.250)
111.333     68.5659    102.79  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  15.333)
111.417     69.3190    109.35  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.417)
111.500     70.1017    113.65  .     Q   .         . V       .         .
 (PEAK DAY 1, HOUR  15.500)
111.583     70.9099    117.35  .     Q   .         . V       .         .
 (PEAK DAY 1, HOUR  15.583)
111.667     71.7709    125.02  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.667)
111.750     72.7266    138.77  .      Q  .         .  V      .         .
 (PEAK DAY 1, HOUR  15.750)
111.833     73.8217    159.00  .        Q.         .  V      .         .
 (PEAK DAY 1, HOUR  15.833)
111.917     75.1262    189.42  .         Q         .  V      .         .
 (PEAK DAY 1, HOUR  15.917)
112.000     76.7812    240.31  .          . Q      .   V     .         .
 (PEAK DAY 1, HOUR  16.000)
112.083     79.3056    366.54  .          .        Q   V     .         .
 (PEAK DAY 1, HOUR  16.083)
112.167     83.2784    576.85  .          .        .     V   . Q       .
 (PEAK DAY 1, HOUR  16.167)
112.250     87.9056    671.87  .          .        .      V  .       Q .
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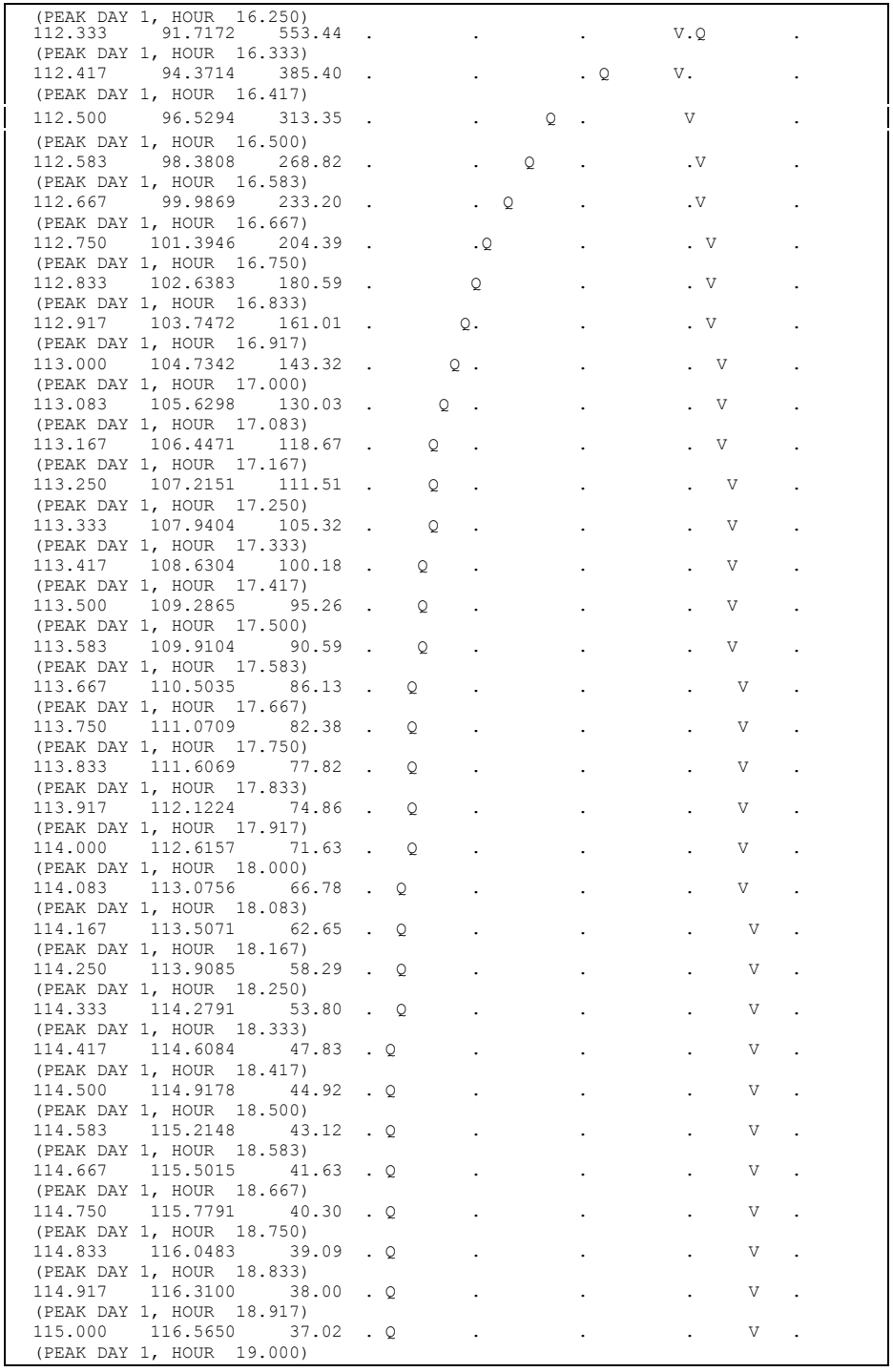
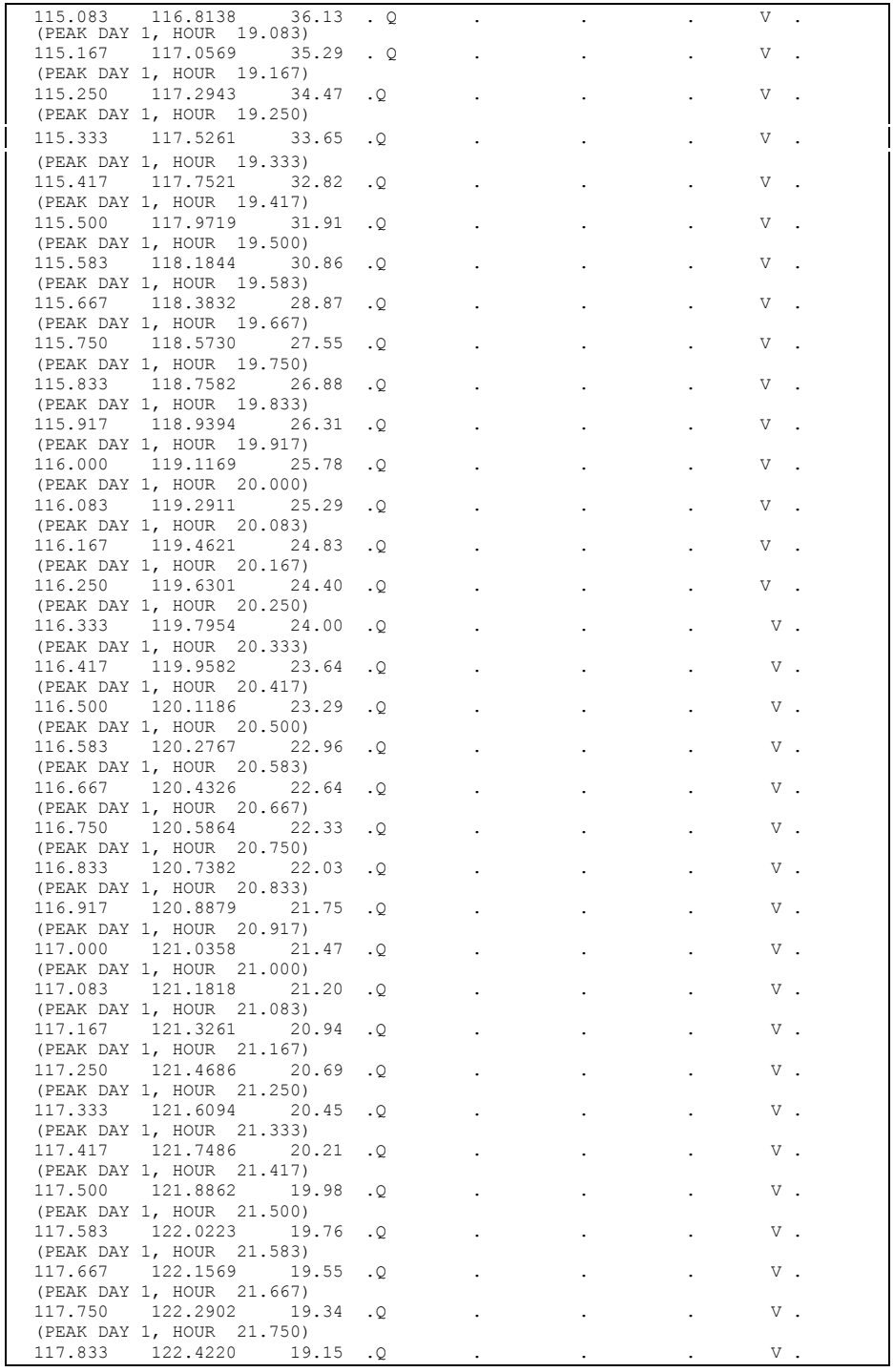

(PEAK DAY 1, HOUR 16.250)
112.333 91.7172 553.44 V.Q
(PEAK DAY 1, HOUR 16.333)
112.417 94.3714 385.40 Q V.
(PEAK DAY 1, HOUR 16.417)
112.500 96.5294 313.35 Q V
(PEAK DAY 1, HOUR 16.500)
112.583 98.3808 268.82 Q .V
(PEAK DAY 1, HOUR 16.583)
112.667 99.9869 233.20 Q .V
(PEAK DAY 1, HOUR 16.667)
112.750 101.3946 204.39 .Q . V
(PEAK DAY 1, HOUR 16.750)
112.833 102.6383 180.59 Q . V
(PEAK DAY 1, HOUR 16.833)
112.917 103.7472 161.01 Q. . V
(PEAK DAY 1, HOUR 16.917)
113.000 104.7342 143.32 Q . . V
(PEAK DAY 1, HOUR 17.000)
113.083 105.6298 130.03 Q . . V
(PEAK DAY 1, HOUR 17.083)
113.167 106.4471 118.67 Q . . V
(PEAK DAY 1, HOUR 17.167)
113.250 107.2151 111.51 Q . . V
(PEAK DAY 1, HOUR 17.250)
113.333 107.9404 105.32 Q . . V
(PEAK DAY 1, HOUR 17.333)
113.417 108.6304 100.18 Q . . V
(PEAK DAY 1, HOUR 17.417)
113.500 109.2865 95.26 Q . . V
(PEAK DAY 1, HOUR 17.500)
113.583 109.9104 90.59 Q . . V
(PEAK DAY 1, HOUR 17.583)
113.667 110.5035 86.13 Q . . V
(PEAK DAY 1, HOUR 17.667)
113.750 111.0709 82.38 Q . . V
(PEAK DAY 1, HOUR 17.750)
113.833 111.6069 77.82 Q . . V
(PEAK DAY 1, HOUR 17.833)
113.917 112.1224 74.86 Q . . V
(PEAK DAY 1, HOUR 17.917)
114.000 112.6157 71.63 Q . . V
(PEAK DAY 1, HOUR 18.000)
114.083 113.0756 66.78 Q . . V
(PEAK DAY 1, HOUR 18.083)
114.167 113.5071 62.65 Q . . V
(PEAK DAY 1, HOUR 18.167)
114.250 113.9085 58.29 Q . . V
(PEAK DAY 1, HOUR 18.250)
114.333 114.2791 53.80 Q . . V
(PEAK DAY 1, HOUR 18.333)
114.417 114.6084 47.83 Q . . V
(PEAK DAY 1, HOUR 18.417)
114.500 114.9178 44.92 Q . . V
(PEAK DAY 1, HOUR 18.500)
114.583 115.2148 43.12 Q . . V
(PEAK DAY 1, HOUR 18.583)
114.667 115.5015 41.63 Q . . V
(PEAK DAY 1, HOUR 18.667)
114.750 115.7791 40.30 Q . . V
(PEAK DAY 1, HOUR 18.750)
114.833 116.0483 39.09 Q . . V
(PEAK DAY 1, HOUR 18.833)
114.917 116.3100 38.00 Q . . V
(PEAK DAY 1, HOUR 18.917)
115.000 116.5650 37.02 Q . . V
(PEAK DAY 1, HOUR 19.000)


115.083 116.8138 36.13 Q . . V
(PEAK DAY 1, HOUR 19.083)
115.167 117.0569 35.29 Q . . V
(PEAK DAY 1, HOUR 19.167)
115.250 117.2943 34.47 Q . . V
(PEAK DAY 1, HOUR 19.250)
115.333 117.5261 33.65 Q . . V
(PEAK DAY 1, HOUR 19.333)
115.417 117.7521 32.82 Q . . V
(PEAK DAY 1, HOUR 19.417)
115.500 117.9719 31.91 Q . . V
(PEAK DAY 1, HOUR 19.500)
115.583 118.1844 30.86 Q . . V
(PEAK DAY 1, HOUR 19.583)
115.667 118.3832 28.87 Q . . V
(PEAK DAY 1, HOUR 19.667)
115.750 118.5730 27.55 Q . . V
(PEAK DAY 1, HOUR 19.750)
115.833 118.7582 26.88 Q . . V
(PEAK DAY 1, HOUR 19.833)
115.917 118.9394 26.31 Q . . V
(PEAK DAY 1, HOUR 19.917)
116.000 119.1169 25.78 Q . . V
(PEAK DAY 1, HOUR 20.000)
116.083 119.2911 25.29 Q . . V
(PEAK DAY 1, HOUR 20.083)
116.167 119.4621 24.83 Q . . V
(PEAK DAY 1, HOUR 20.167)
116.250 119.6301 24.40 Q . . V
(PEAK DAY 1, HOUR 20.250)
116.333 119.7954 24.00 Q . . V
(PEAK DAY 1, HOUR 20.333)
116.417 119.9582 23.64 Q . . V
(PEAK DAY 1, HOUR 20.417)
116.500 120.1186 23.29 Q . . V
(PEAK DAY 1, HOUR 20.500)
116.583 120.2767 22.96 Q . . V
(PEAK DAY 1, HOUR 20.583)
116.667 120.4326 22.64 Q . . V
(PEAK DAY 1, HOUR 20.667)
116.750 120.5864 22.33 Q . . V
(PEAK DAY 1, HOUR 20.750)
116.833 120.7382 22.03 Q . . V
(PEAK DAY 1, HOUR 20.833)
116.917 120.8879 21.75 Q . . V
(PEAK DAY 1, HOUR 20.917)
117.000 121.0358 21.47 Q . . V
(PEAK DAY 1, HOUR 21.000)
117.083 121.1818 21.20 Q . . V
(PEAK DAY 1, HOUR 21.083)
117.167 121.3261 20.94 Q . . V
(PEAK DAY 1, HOUR 21.167)
117.250 121.4686 20.69 Q . . V
(PEAK DAY 1, HOUR 21.250)
117.333 121.6094 20.45 Q . . V
(PEAK DAY 1, HOUR 21.333)
117.417 121.7486 20.21 Q . . V
(PEAK DAY 1, HOUR 21.417)
117.500 121.8862 19.98 Q . . V
(PEAK DAY 1, HOUR 21.500)
117.583 122.0223 19.76 Q . . V
(PEAK DAY 1, HOUR 21.583)
117.667 122.1569 19.55 Q . . V
(PEAK DAY 1, HOUR 21.667)
117.750 122.2902 19.34 Q . . V
(PEAK DAY 1, HOUR 21.750)
117.833 122.4220 19.15 Q . . V

(PEAK DAY 1, HOUR 21.833)
117.917 122.5526 18.96 .Q . . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 122.6818 18.77 .Q . . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 122.8099 18.59 .Q . . . V .
(PEAK DAY 1, HOUR 22.083)
118.167 122.9367 18.41 .Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 123.0623 18.24 .Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 123.1867 18.07 .Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 123.3100 17.90 .Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 123.4322 17.74 .Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 123.5533 17.59 .Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 123.6734 17.43 Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 123.7924 17.28 Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 123.9104 17.14 Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 124.0275 16.99 Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 124.1436 16.85 Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 124.2587 16.72 Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 124.3729 16.58 Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 124.4862 16.45 Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 124.5986 16.32 Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 124.7101 16.20 Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 124.8208 16.07 Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 124.9307 15.95 Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 125.0397 15.83 Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 125.1480 15.72 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 125.2554 15.60 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 125.3621 15.49 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 125.4680 15.38 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 125.5693 14.71 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 125.6552 12.46 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 125.7190 9.27 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 125.7661 6.83 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 125.8044 5.57 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 125.8365 4.66 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 125.8637 3.95 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 125.8871 3.40 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 125.9073 2.94 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 125.9250 2.56 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 125.9405 2.25 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 125.9542 1.99 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 125.9664 1.78 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 125.9775 1.61 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 125.9874 1.45 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 125.9964 1.30 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 126.0044 1.16 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 126.0116 1.04 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 126.0179 0.92 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 126.0234 0.81 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 126.0283 0.71 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 126.0326 0.62 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 126.0363 0.54 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 126.0395 0.46 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 126.0423 0.40 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 126.0446 0.35 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 126.0466 0.29 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 126.0483 0.24 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 126.0498 0.22 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 126.0512 0.20 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 126.0524 0.19 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 126.0536 0.17 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 126.0547 0.15 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 126.0556 0.14 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 126.0565 0.12 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 126.0572 0.11 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 126.0579 0.09 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 126.0584 0.08 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 126.0588 0.06 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 126.0592 0.05 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 126.0594 0.03 Q . . . V.

```
 (PEAK DAY 1, HOUR  27.417)
 123.500    126.0595      0.02  Q          .          .          .          V
 (PEAK DAY 1, HOUR  27.500)
 123.583    126.0596      0.00  Q          .          .          .          V
 (PEAK DAY 1, HOUR  27.583)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      400.0     800.0    1200.0    1600.0
--------------------------------------------------------------------------------
  96.000    556.7531     61.40  .Q         V          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    557.1769     61.54  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    557.6186     64.13  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    558.1001     69.92  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    558.6354     77.73  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    559.2376     87.44  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    559.9421    102.29  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    560.8145    126.68  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    561.8600    151.80  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    563.0128    167.40  .   Q      V          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    564.2349    177.44  .   Q      V          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    565.5131    185.60  .   Q      V          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    566.8372    192.27  .   Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    568.2007    197.98  .   Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    569.5988    203.00  .    Q     V          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    571.0273    207.43  .    Q     V          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    572.4828    211.33  .    Q     V          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    573.9620    214.78  .    Q     V          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    575.4632    217.98  .    Q     V          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    576.9844    220.88  .    Q     V          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    578.5235    223.47  .    Q     V          .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    580.0786    225.80  .    Q     V          .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    581.6481    227.88  .    Q     V          .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    583.2300    229.70  .    Q    .V          .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    584.8239    231.42  .    Q    .V          .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    586.4290    233.06  .    Q    .V          .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    588.0431    234.37  .    Q    .V          .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    589.6644    235.41  .    Q    .V          .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    591.2928    236.43  .    Q    .V          .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    592.9280    237.44  .    Q    .V          .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    594.5702    238.44  .    Q    .V          .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    596.2194    239.46  .    Q    .V          .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    597.8755    240.48  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    599.5389    241.52  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    601.2094    242.56  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    602.8871    243.61  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    604.5723    244.68  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    606.2648    245.75  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    607.9647    246.83  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    609.6722    247.93  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    611.3874    249.04  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    613.1102    250.15  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    614.8408    251.28  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    616.5792    252.42  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    618.3255    253.56  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.667)
  99.750    620.0797    254.71  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.750)
  99.833    621.8419    255.87  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.833)
  99.917    623.6121    257.04  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   3.917)
 100.000    625.3901    258.16  .     Q   .V          .          .          .
 (PEAK DAY 1, HOUR   4.000)
 100.083    627.1754    259.23  .     Q   .V          .          .          .
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(PEAK DAY 1, HOUR 4.083)									
100.167	628.9681	260.30	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR 4.167)									
100.250	630.7682	261.38	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR 4.250)									
100.333	632.5758	262.47	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR 4.333)									
100.417	634.3911	263.57	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR 4.417)									
100.500	636.2139	264.68	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.500)									
100.583	638.0446	265.81	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.583)									
100.667	639.8831	266.95	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.667)									
100.750	641.7296	268.10	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.750)									
100.833	643.5840	269.27	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.833)									
100.917	645.4467	270.45	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 4.917)									
101.000	647.3174	271.64	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.000)									
101.083	649.1966	272.85	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.083)									
101.167	651.0841	274.07	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.167)									
101.250	652.9801	275.30	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.250)									
101.333	654.8848	276.55	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.333)									
101.417	656.7981	277.82	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.417)									
101.500	658.7203	279.10	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.500)									
101.583	660.6514	280.39	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.583)									
101.667	662.5915	281.70	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.667)									
101.750	664.5408	283.03	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.750)									
101.833	666.4993	284.37	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.833)									
101.917	668.4671	285.73	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 5.917)									
102.000	670.4445	287.11	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.000)									
102.083	672.4314	288.50	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.083)									
102.167	674.4280	289.92	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.167)									
102.250	676.4346	291.35	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.250)									
102.333	678.4510	292.79	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.333)									
102.417	680.4777	294.26	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.417)									
102.500	682.5145	295.75	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.500)									
102.583	684.5618	297.26	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.583)									
102.667	686.6195	298.78	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.667)									
102.750	688.6879	300.33	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.750)									
102.833	690.7672	301.90	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.833)									
102.917	692.8573	303.49	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 6.917)									
103.000	694.9586	305.10	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.000)									
103.083	697.0711	306.74	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.083)									
103.167	699.1951	308.40	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.167)									
103.250	701.3306	310.08	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.250)									
103.333	703.4779	311.78	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.333)									
103.417	705.6371	313.51	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.417)									
103.500	707.8083	315.27	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.500)									
103.583	709.9919	317.05	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.583)									
103.667	712.1879	318.86	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.667)									
103.750	714.3965	320.70	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.750)									
103.833	716.6180	322.56	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.833)									
103.917	718.8525	324.45	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 7.917)									
104.000	721.1002	326.37	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.000)									
104.083	723.3614	328.33	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.083)									
104.167	725.6362	330.31	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.167)									
104.250	727.9249	332.32	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.250)									
104.333	730.2277	334.37	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.333)									
104.417	732.5449	336.45	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.417)									
104.500	734.8765	338.56	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.500)									
104.583	737.2230	340.71	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.583)									
104.667	739.5845	342.89	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.667)									
104.750	741.9612	345.11	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.750)									
104.833	744.3536	347.37	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.833)									
104.917	746.7617	349.67	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 8.917)									
105.000	749.1860	352.00	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.000)									
105.083	751.6266	354.38	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.083)									
105.167	754.0840	356.80	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.167)									
105.250	756.5583	359.27	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.250)									
105.333	759.0499	361.78	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.333)									
105.417	761.5591	364.34	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.417)									
105.500	764.0862	366.94	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.500)									
105.583	766.6317	369.59	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR 9.583)									
105.667	769.1957	372.30	.	Q	. V	.	.	.	

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 (PEAK DAY 1, HOUR   9.667)
105.750    771.7787    375.06  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    774.3811    377.87  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    777.0032    380.73  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    779.6455    383.66  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    782.3083    386.64  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    784.9921    389.69  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    787.6973    392.79  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    790.4244    395.97  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    793.1738    399.21  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    795.9460    402.53  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    798.7415    405.91  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    801.5609    409.37  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    804.4047    412.91  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    807.2733    416.53  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    810.1667    420.11  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    813.0795    422.95  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    816.0050    424.78  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    818.9426    426.55  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    821.8956    428.78  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    824.8671    431.46  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    827.8596    434.51  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    830.8753    437.88  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    833.9161    441.52  .         .Q   V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    836.9835    445.39  .         .Q   V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    840.0790    449.47  .         .Q   V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    843.2040    453.74  .         .Q   V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    846.3596    458.19  .         .Q   V    .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    849.5470    462.81  .         .Q    V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    852.7700    467.98  .         .Q    V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    856.0383    474.55  .         .Q    V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    859.3600    482.32  .         . Q   V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    862.7288    489.13  .         . Q   V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    866.1353    494.62  .         . Q   V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    869.5850    500.89  .         . Q   V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    873.0915    509.15  .         . Q   V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    876.6697    519.56  .         . Q   V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    880.3272    531.06  .         .  Q  V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    884.0574    541.62  .         .  Q  V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    887.8475    550.32  .         .  Q  V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    891.6928    558.35  .         .  Q  V   .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    895.5946    566.54  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    899.5546    574.99  .         .   Q V   .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    903.5733    583.52  .         .   Q  V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    907.6439    591.06  .         .   Q  V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    911.7563    597.11  .         .   Q  V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    915.9073    602.73  .         .    Q V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    920.0989    608.61  .         .    Q V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    924.3337    614.90  .         .    Q V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    928.6151    621.66  .         .    Q V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    932.9464    628.91  .         .    Q V  .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    937.3313    636.69  .         .    Q V  .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    941.7737    645.03  .         .     QV  .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    946.2779    654.01  .         .     QV  .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    950.8501    663.89  .         .     QV  .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    955.4968    674.71  .         .     Q V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    960.2188    685.63  .         .      QV .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    965.0129    696.12  .         .      QV .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    969.8849    707.40  .         .      QV .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    974.8495    720.86  .         .       Q .         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    979.9240    736.82  .         .       Q .         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    985.1217    754.70  .         .       Q .         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    990.4485    773.46  .         .       VQ.         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    995.9089    792.84  .         .       VQ.         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1001.5117    813.53  .         .       V Q         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1007.2632    835.13  .         .        VQ         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1013.1500    854.75  .         .        V.Q        .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1019.1548    871.91  .         .        V.Q        .         .
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 (PEAK DAY 1, HOUR  15.250)
111.333   1025.2810    889.53  .         .        V. Q       .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1031.5295    907.29  .         .        V. Q       .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1037.8881    923.25  .         .        V.  Q      .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1044.3521    938.58  .         .        V.  Q      .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1050.9431    957.02  .         .        V.  Q      .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1057.6984    980.87  .         .        V.   Q     .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1064.6616   1011.07  .         .         V    Q    .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1071.9004   1051.06  .         .         V     Q   .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1079.5536   1111.24  .         .         V      Q  .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1088.1436   1247.27  .         .         V         .Q        .
 (PEAK DAY 1, HOUR  16.083)
112.167   1098.2622   1469.23  .         .         V         .     Q   .
 (PEAK DAY 1, HOUR  16.167)
112.250   1109.1384   1579.23  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  16.250)
112.333   1119.3292   1479.70  .         .        .V         .     Q   .
 (PEAK DAY 1, HOUR  16.333)
112.417   1128.5170   1334.06  .         .        .V         .  Q      .
 (PEAK DAY 1, HOUR  16.417)
112.500   1137.3943   1288.98  .         .        .V         . Q       .
 (PEAK DAY 1, HOUR  16.500)
112.583   1146.1857   1276.51  .         .        .V         .Q        .
 (PEAK DAY 1, HOUR  16.583)
112.667   1154.9233   1268.71  .         .        .V         .Q        .
 (PEAK DAY 1, HOUR  16.667)
112.750   1163.5769   1256.49  .         .        .V         .Q        .
 (PEAK DAY 1, HOUR  16.750)
112.833   1172.1378   1243.04  .         .        . V        .Q        .
 (PEAK DAY 1, HOUR  16.833)
112.917   1180.6237   1232.14  .         .        . V        Q         .
 (PEAK DAY 1, HOUR  16.917)
113.000   1189.0426   1222.43  .         .        . V        Q         .
 (PEAK DAY 1, HOUR  17.000)
113.083   1197.4200   1216.41  .         .        . V        Q         .
 (PEAK DAY 1, HOUR  17.083)
113.167   1205.7653   1211.72  .         .        . V        Q         .
 (PEAK DAY 1, HOUR  17.167)
113.250   1214.1040   1210.78  .         .        . V        Q         .
 (PEAK DAY 1, HOUR  17.250)
113.333   1222.4391   1210.26  .         .        .  V       Q         .
 (PEAK DAY 1, HOUR  17.333)
113.417   1230.7732   1210.11  .         .        .  V       Q         .
 (PEAK DAY 1, HOUR  17.417)
113.500   1239.1033   1209.53  .         .        .  V       Q         .
 (PEAK DAY 1, HOUR  17.500)
113.583   1247.4259   1208.45  .         .        .  V       Q         .
 (PEAK DAY 1, HOUR  17.583)
113.667   1255.7372   1206.80  .         .        .  V       Q         .
 (PEAK DAY 1, HOUR  17.667)
113.750   1264.0376   1205.21  .         .        .  V       Q         .
 (PEAK DAY 1, HOUR  17.750)
113.833   1272.3177   1202.28  .         .        .   V      Q         .
 (PEAK DAY 1, HOUR  17.833)
113.917   1280.5854   1200.47  .         .        .   V      Q         .
 (PEAK DAY 1, HOUR  17.917)
114.000   1288.8362   1198.00  .         .        .   V    Q.          .
 (PEAK DAY 1, HOUR  18.000)
114.083   1297.0564   1193.58  .         .        .   V    Q.          .
 (PEAK DAY 1, HOUR  18.083)
114.167   1305.2485   1189.49  .         .        .   V    Q.          .
 (PEAK DAY 1, HOUR  18.167)
114.250   1313.4086   1184.83  .         .        .   V    Q.          .
 (PEAK DAY 1, HOUR  18.250)
114.333   1321.5339   1179.80  .         .        .   V    Q.          .
 (PEAK DAY 1, HOUR  18.333)
114.417   1329.6133   1173.12  .         .        .    V   Q.          .
 (PEAK DAY 1, HOUR  18.417)
114.500   1337.6666   1169.34  .         .        .    V   Q.          .
 (PEAK DAY 1, HOUR  18.500)
114.583   1345.7003   1166.49  .         .        .    V   Q.          .
 (PEAK DAY 1, HOUR  18.583)
114.667   1353.7153   1163.78  .         .        .    V   Q.          .
 (PEAK DAY 1, HOUR  18.667)
114.750   1361.7117   1161.07  .         .        .    V   Q.          .
 (PEAK DAY 1, HOUR  18.750)
114.833   1369.6896   1158.39  .         .        .    V  Q .          .
 (PEAK DAY 1, HOUR  18.833)
114.917   1377.6492   1155.74  .         .        .     V Q .          .
 (PEAK DAY 1, HOUR  18.917)
115.000   1385.5908   1153.12  .         .        .     V Q .          .
 (PEAK DAY 1, HOUR  19.000)
115.083   1393.5145   1150.53  .         .        .     V Q .          .
 (PEAK DAY 1, HOUR  19.083)
115.167   1401.4203   1147.92  .         .        .     V Q .          .
 (PEAK DAY 1, HOUR  19.167)
115.250   1409.3079   1145.28  .         .        .     V Q .          .
 (PEAK DAY 1, HOUR  19.250)
115.333   1417.1770   1142.60  .         .        .     V Q .          .
 (PEAK DAY 1, HOUR  19.333)
115.417   1425.0273   1139.88  .         .        .     V Q .          .
 (PEAK DAY 1, HOUR  19.417)
115.500   1432.8582   1137.04  .         .        .      VQ .          .
 (PEAK DAY 1, HOUR  19.500)
115.583   1440.6683   1134.03  .         .        .      VQ .          .
 (PEAK DAY 1, HOUR  19.583)
115.667   1448.4510   1130.05  .         .        .      VQ .          .
 (PEAK DAY 1, HOUR  19.667)
115.750   1456.2108   1126.72  .         .        .      VQ .          .
 (PEAK DAY 1, HOUR  19.750)
115.833   1463.9519   1124.00  .         .        .      VQ .          .
 (PEAK DAY 1, HOUR  19.833)
115.917   1471.6748   1121.36  .         .        .      VQ .          .
 (PEAK DAY 1, HOUR  19.917)
116.000   1479.3800   1118.79  .         .        .      Q  .          .
 (PEAK DAY 1, HOUR  20.000)
116.083   1487.0679   1116.29  .         .        .      QV .          .
 (PEAK DAY 1, HOUR  20.083)
116.167   1494.7386   1113.80  .         .        .      QV .          .
 (PEAK DAY 1, HOUR  20.167)
116.250   1502.3923   1111.32  .         .        .      QV .          .
 (PEAK DAY 1, HOUR  20.250)
116.333   1510.0291   1108.86  .         .        .      QV .          .
 (PEAK DAY 1, HOUR  20.333)
116.417   1517.6490   1106.42  .         .        .      QV .          .
 (PEAK DAY 1, HOUR  20.417)
116.500   1525.2522   1103.98  .         .        .      QV .          .
 (PEAK DAY 1, HOUR  20.500)
116.583   1532.8386   1101.55  .         .        .      QV .          .
 (PEAK DAY 1, HOUR  20.583)
116.667   1540.4082   1099.11  .         .        .      Q V.          .
 (PEAK DAY 1, HOUR  20.667)
116.750   1547.9611   1096.68  .         .        .      Q V.          .
 (PEAK DAY 1, HOUR  20.750)
116.833   1555.4972   1094.24  .         .        .      Q V.          .
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(PEAK DAY 1, HOUR  20.833)
116.917   1563.0166   1091.81  .         .         .      Q V.         .
(PEAK DAY 1, HOUR  20.917)
117.000   1570.5192   1089.38  .         .         .      Q V.         .
(PEAK DAY 1, HOUR  21.000)
117.083   1578.0051   1086.96  .         .         .      Q V.         .
(PEAK DAY 1, HOUR  21.083)
117.167   1585.4750   1084.62  .         .         .      Q V.         .
(PEAK DAY 1, HOUR  21.167)
117.250   1592.9291   1082.34  .         .         .      Q  V         .
(PEAK DAY 1, HOUR  21.250)
117.333   1600.3677   1080.08  .         .         .      Q  V         .
(PEAK DAY 1, HOUR  21.333)
117.417   1607.7908   1077.83  .         .         .     Q   V         .
(PEAK DAY 1, HOUR  21.417)
117.500   1615.1984   1075.58  .         .         .     Q   V         .
(PEAK DAY 1, HOUR  21.500)
117.583   1622.5905   1073.33  .         .         .     Q   V         .
(PEAK DAY 1, HOUR  21.583)
117.667   1629.9670   1071.09  .         .         .     Q   V         .
(PEAK DAY 1, HOUR  21.667)
117.750   1637.3282   1068.85  .         .         .     Q   V         .
(PEAK DAY 1, HOUR  21.750)
117.833   1644.6741   1066.62  .         .         .     Q   .V        .
(PEAK DAY 1, HOUR  21.833)
117.917   1652.0045   1064.39  .         .         .     Q   .V        .
(PEAK DAY 1, HOUR  21.917)
118.000   1659.3197   1062.16  .         .         .     Q   .V        .
(PEAK DAY 1, HOUR  22.000)
118.083   1666.6195   1059.93  .         .         .     Q   .V        .
(PEAK DAY 1, HOUR  22.083)
118.167   1673.9030   1057.56  .         .         .     Q   .V        .
(PEAK DAY 1, HOUR  22.167)
118.250   1681.1641   1054.31  .         .         .     Q   .V        .
(PEAK DAY 1, HOUR  22.250)
118.333   1688.3970   1050.22  .         .         .     Q   .V        .
(PEAK DAY 1, HOUR  22.333)
118.417   1695.6011   1046.03  .         .         .     Q   . V       .
(PEAK DAY 1, HOUR  22.417)
118.500   1702.7762   1041.84  .         .         .     Q   . V       .
(PEAK DAY 1, HOUR  22.500)
118.583   1709.9227   1037.66  .         .         .    Q    . V       .
(PEAK DAY 1, HOUR  22.583)
118.667   1717.0404   1033.49  .         .         .    Q    . V       .
(PEAK DAY 1, HOUR  22.667)
118.750   1724.1295   1029.33  .         .         .    Q    . V       .
(PEAK DAY 1, HOUR  22.750)
118.833   1731.1901   1025.19  .         .         .    Q    . V       .
(PEAK DAY 1, HOUR  22.833)
118.917   1738.2222   1021.06  .         .         .    Q    . V       .
(PEAK DAY 1, HOUR  22.917)
119.000   1745.2258   1016.94  .         .         .    Q    . V       .
(PEAK DAY 1, HOUR  23.000)
119.083   1752.2013   1012.83  .         .         .    Q    .  V      .
(PEAK DAY 1, HOUR  23.083)
119.167   1759.1484   1008.73  .         .         .    Q    .  V      .
(PEAK DAY 1, HOUR  23.167)
119.250   1766.0673   1004.60  .         .         .    Q    .  V      .
(PEAK DAY 1, HOUR  23.250)
119.333   1772.9572   1000.40  .         .         .    Q    .  V      .
(PEAK DAY 1, HOUR  23.333)
119.417   1779.8177    996.16  .         .         .   Q     .  V      .
(PEAK DAY 1, HOUR  23.417)
119.500   1786.6492    991.93  .         .         .   Q     .  V      .
(PEAK DAY 1, HOUR  23.500)
119.583   1793.4515    987.71  .         .         .   Q     .  V      .
(PEAK DAY 1, HOUR  23.583)
119.667   1800.2250    983.50  .         .         .   Q     .  V      .
(PEAK DAY 1, HOUR  23.667)
119.750   1806.9695    979.31  .         .         .   Q     .  V      .
(PEAK DAY 1, HOUR  23.750)
119.833   1813.6853    975.13  .         .         .   Q     .  V      .
(PEAK DAY 1, HOUR  23.833)
119.917   1820.3724    970.97  .         .         .   Q     .  V      .
(PEAK DAY 1, HOUR  23.917)
120.000   1827.0310    966.83  .         .         .   Q     .  V      .
(PEAK DAY 1, HOUR  24.000)
120.083   1833.6572    962.13  .         .         .   Q     .  V      .
(PEAK DAY 1, HOUR  24.083)
120.167   1840.2404    955.87  .         .         .  Q      .  V      .
(PEAK DAY 1, HOUR  24.167)
120.250   1846.7737    948.63  .         .         .  Q      .  V      .
(PEAK DAY 1, HOUR  24.250)
120.333   1853.2612    941.99  .         .         .  Q      .   V     .
(PEAK DAY 1, HOUR  24.333)
120.417   1859.7097    936.32  .         .         .  Q      .   V     .
(PEAK DAY 1, HOUR  24.417)
120.500   1866.1205    930.85  .         .         .  Q      .   V     .
(PEAK DAY 1, HOUR  24.500)
120.583   1872.4939    925.42  .         .         .  Q      .   V     .
(PEAK DAY 1, HOUR  24.583)
120.667   1878.8297    919.96  .         .         . Q       .   V     .
(PEAK DAY 1, HOUR  24.667)
120.750   1885.1279    914.49  .         .         . Q       .   V     .
(PEAK DAY 1, HOUR  24.750)
120.833   1891.3885    909.04  .         .         . Q       .   V     .
(PEAK DAY 1, HOUR  24.833)
120.917   1897.6117    903.61  .         .         . Q       .   V     .
(PEAK DAY 1, HOUR  24.917)
121.000   1903.7977    898.21  .         .         . Q       .   V     .
(PEAK DAY 1, HOUR  25.000)
121.083   1909.9469    892.85  .         .         . Q       .    V    .
(PEAK DAY 1, HOUR  25.083)
121.167   1916.0592    887.50  .         .         . Q       .    V    .
(PEAK DAY 1, HOUR  25.167)
121.250   1922.1339    882.04  .         .         . Q       .    V    .
(PEAK DAY 1, HOUR  25.250)
121.333   1928.1699    876.43  .         .         .Q        .    V    .
(PEAK DAY 1, HOUR  25.333)
121.417   1934.1669    870.76  .         .         .Q        .    V    .
(PEAK DAY 1, HOUR  25.417)
121.500   1940.1249    865.10  .         .         .Q        .    V    .
(PEAK DAY 1, HOUR  25.500)
121.583   1946.0441    859.47  .         .         .Q        .    V    .
(PEAK DAY 1, HOUR  25.583)
121.667   1951.9247    853.87  .         .         .Q        .    V    .
(PEAK DAY 1, HOUR  25.667)
121.750   1957.7670    848.29  .         .         .Q        .    V    .
(PEAK DAY 1, HOUR  25.750)
121.833   1963.5710    842.76  .         .         .Q        .     V   .
(PEAK DAY 1, HOUR  25.833)
121.917   1969.3373    837.25  .         .         Q         .     V   .
(PEAK DAY 1, HOUR  25.917)
122.000   1975.0657    831.75  .         .         Q         .     V   .
(PEAK DAY 1, HOUR  26.000)
122.083   1980.7550    826.10  .         .         Q         .     V   .
(PEAK DAY 1, HOUR  26.083)
122.167   1986.4015    819.87  .         .         Q         .     V   .
(PEAK DAY 1, HOUR  26.167)
122.250   1992.0020    813.19  .         .         Q         .     V   .
(PEAK DAY 1, HOUR  26.250)
122.333   1997.5564    806.51  .         .         Q         .     V   .
(PEAK DAY 1, HOUR  26.333)
122.417   2003.0653    799.90  .         .        Q.         .     V   .
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 (PEAK DAY 1, HOUR  26.417)
122.500   2008.5292    793.35  .         .        Q.         .      V  .
 (PEAK DAY 1, HOUR  26.500)
122.583   2013.9482    786.85  .         .        Q.         .       V .
 (PEAK DAY 1, HOUR  26.583)
122.667   2019.3229    780.40  .         .        Q.         .       V .
 (PEAK DAY 1, HOUR  26.667)
122.750   2024.6534    774.00  .         .        Q.         .       V .
 (PEAK DAY 1, HOUR  26.750)
122.833   2029.9384    767.37  .         .        Q.         .       V .
 (PEAK DAY 1, HOUR  26.833)
122.917   2035.1648    758.88  .         .       Q .         .       V .
 (PEAK DAY 1, HOUR  26.917)
123.000   2040.3164    748.01  .         .       Q .         .       V .
 (PEAK DAY 1, HOUR  27.000)
123.083   2045.3876    736.34  .         .       Q .         .       V .
 (PEAK DAY 1, HOUR  27.083)
123.167   2050.3787    724.72  .         .       Q .         .       V .
 (PEAK DAY 1, HOUR  27.167)
123.250   2055.2910    713.27  .         .      Q  .         .       V .
 (PEAK DAY 1, HOUR  27.250)
123.333   2060.1248    701.86  .         .      Q  .         .       V .
 (PEAK DAY 1, HOUR  27.333)
123.417   2064.8755    689.81  .         .      Q  .         .        V.
 (PEAK DAY 1, HOUR  27.417)
123.500   2069.5391    677.15  .         .     Q   .         .        V.
 (PEAK DAY 1, HOUR  27.500)
123.583   2074.1162    664.60  .         .     Q   .         .        V.
 (PEAK DAY 1, HOUR  27.583)
123.667   2078.6084    652.26  .         .     Q   .         .        V.
 (PEAK DAY 1, HOUR  27.667)
123.750   2083.0168    640.12  .         .     Q   .         .        V.
 (PEAK DAY 1, HOUR  27.750)
123.833   2087.3391    627.59  .         .    Q    .         .        V.
 (PEAK DAY 1, HOUR  27.833)
123.917   2091.5581    612.58  .         .    Q    .         .        V.
 (PEAK DAY 1, HOUR  27.917)
124.000   2095.6594    595.50  .         .   Q     .         .        V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE = 5.2
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  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     382.00
           DOWNSTREAM ELEVATION(FT) =     375.00
           CHANNEL LENGTH(FT) =    1141.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00
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         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  1579.23
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  1028.80
           CHANNEL NORMAL VELOCITY FOR Q =  1028.80 CFS =   7.28 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.811

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.958


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	61.40	61.61	61.61
1	0.083	96.083	61.54	61.49	61.49
1	0.167	96.167	64.13	62.97	62.97
1	0.250	96.250	69.92	67.28	67.28
1	0.333	96.333	77.73	74.13	74.13
1	0.417	96.417	87.44	82.95	82.95
1	0.500	96.500	102.29	95.46	95.46
1	0.583	96.583	126.68	115.48	115.48
1	0.667	96.667	151.80	140.10	140.10
1	0.750	96.750	167.40	159.93	159.93
1	0.833	96.833	177.44	172.63	172.63
1	0.917	96.917	185.60	181.75	181.75
1	1.000	97.000	192.27	189.12	189.12
1	1.083	97.083	197.98	195.29	195.29
1	1.167	97.167	203.00	200.64	200.64
1	1.250	97.250	207.43	205.35	205.35
1	1.333	97.333	211.33	209.50	209.50
1	1.417	97.417	214.78	213.16	213.16
1	1.500	97.500	217.98	216.48	216.48
1	1.583	97.583	220.88	219.52	219.52
1	1.667	97.667	223.47	222.26	222.26
1	1.750	97.750	225.80	224.71	224.71
1	1.833	97.833	227.88	226.91	226.91
1	1.917	97.917	229.70	228.85	228.85
1	2.000	98.000	231.42	230.62	230.62
1	2.083	98.083	233.06	232.29	232.29
1	2.167	98.167	234.37	233.75	233.75
1	2.250	98.250	235.41	234.92	234.92
1	2.333	98.333	236.43	235.96	235.96
1	2.417	98.417	237.44	236.97	236.97
1	2.500	98.500	238.44	237.97	237.97
1	2.583	98.583	239.46	238.98	238.98
1	2.667	98.667	240.48	240.00	240.00
1	2.750	98.750	241.52	241.03	241.03
1	2.833	98.833	242.56	242.07	242.07
1	2.917	98.917	243.61	243.12	243.12
1	3.000	99.000	244.68	244.18	244.18
1	3.083	99.083	245.75	245.25	245.25
1	3.167	99.167	246.83	246.33	246.33
1	3.250	99.250	247.93	247.42	247.42
1	3.333	99.333	249.04	248.52	248.52
1	3.417	99.417	250.15	249.63	249.63
1	3.500	99.500	251.28	250.75	250.75
1	3.583	99.583	252.42	251.89	251.89
1	3.667	99.667	253.56	253.03	253.03
1	3.750	99.750	254.71	254.17	254.17
1	3.833	99.833	255.87	255.33	255.33
1	3.917	99.917	257.04	256.49	256.49
1	4.000	100.000	258.16	257.63	257.63
1	4.083	100.083	259.23	258.73	258.73

1	4.167 100.167	260.30	259.80	259.80
1	4.250 100.250	261.38	260.87	260.87
1	4.333 100.333	262.47	261.96	261.96
1	4.417 100.417	263.57	263.06	263.06
1	4.500 100.500	264.68	264.16	264.16
1	4.583 100.583	265.81	265.29	265.29
1	4.667 100.667	266.95	266.42	266.42
1	4.750 100.750	268.10	267.57	267.57
1	4.833 100.833	269.27	268.73	268.73
1	4.917 100.917	270.45	269.90	269.90
1	5.000 101.000	271.64	271.09	271.09
1	5.083 101.083	272.85	272.29	272.29
1	5.167 101.167	274.07	273.50	273.50
1	5.250 101.250	275.30	274.73	274.73
1	5.333 101.333	276.55	275.97	275.97
1	5.417 101.417	277.82	277.23	277.23
1	5.500 101.500	279.10	278.50	278.50
1	5.583 101.583	280.39	279.79	279.79
1	5.667 101.667	281.70	281.09	281.09
1	5.750 101.750	283.03	282.41	282.41
1	5.833 101.833	284.37	283.75	283.75
1	5.917 101.917	285.73	285.10	285.10
1	6.000 102.000	287.11	286.47	286.47
1	6.083 102.083	288.50	287.85	287.85
1	6.167 102.167	289.92	289.26	289.26
1	6.250 102.250	291.35	290.68	290.68
1	6.333 102.333	292.79	292.12	292.12
1	6.417 102.417	294.26	293.58	293.58
1	6.500 102.500	295.75	295.06	295.06
1	6.583 102.583	297.26	296.55	296.55
1	6.667 102.667	298.78	298.07	298.07
1	6.750 102.750	300.33	299.61	299.61
1	6.833 102.833	301.90	301.17	301.17
1	6.917 102.917	303.49	302.75	302.75
1	7.000 103.000	305.10	304.35	304.35
1	7.083 103.083	306.74	305.98	305.98
1	7.167 103.167	308.40	307.62	307.62
1	7.250 103.250	310.08	309.29	309.29
1	7.333 103.333	311.78	310.99	310.99
1	7.417 103.417	313.51	312.71	312.71
1	7.500 103.500	315.27	314.45	314.45
1	7.583 103.583	317.05	316.22	316.22
1	7.667 103.667	318.86	318.02	318.02
1	7.750 103.750	320.70	319.84	319.84
1	7.833 103.833	322.56	321.69	321.69
1	7.917 103.917	324.45	323.57	323.57
1	8.000 104.000	326.37	325.48	325.48
1	8.083 104.083	328.33	327.41	327.41
1	8.167 104.167	330.31	329.38	329.38
1	8.250 104.250	332.32	331.38	331.38
1	8.333 104.333	334.37	333.41	333.41
1	8.417 104.417	336.45	335.48	335.48
1	8.500 104.500	338.56	337.57	337.57
1	8.583 104.583	340.71	339.70	339.70
1	8.667 104.667	342.89	341.87	341.87
1	8.750 104.750	345.11	344.08	344.08
1	8.833 104.833	347.37	346.32	346.32
1	8.917 104.917	349.67	348.59	348.59
1	9.000 105.000	352.00	350.91	350.91
1	9.083 105.083	354.38	353.27	353.27
1	9.167 105.167	356.80	355.67	355.67
1	9.250 105.250	359.27	358.12	358.12
1	9.333 105.333	361.78	360.61	360.61
1	9.417 105.417	364.34	363.14	363.14
1	9.500 105.500	366.94	365.73	365.73
1	9.583 105.583	369.59	368.36	368.36
1	9.667 105.667	372.30	371.04	371.04
1	9.750 105.750	375.06	373.77	373.77
1	9.833 105.833	377.87	376.56	376.56
1	9.917 105.917	380.73	379.40	379.40
1	10.000 106.000	383.66	382.29	382.29
1	10.083 106.083	386.64	385.25	385.25
1	10.167 106.167	389.69	388.27	388.27
1	10.250 106.250	392.79	391.34	391.34
1	10.333 106.333	395.97	394.49	394.49
1	10.417 106.417	399.21	397.70	397.70
1	10.500 106.500	402.53	400.98	400.98
1	10.583 106.583	405.91	404.33	404.33
1	10.667 106.667	409.37	407.76	407.76
1	10.750 106.750	412.91	411.26	411.26
1	10.833 106.833	416.53	414.84	414.84
1	10.917 106.917	420.11	418.44	418.44
1	11.000 107.000	422.95	421.61	421.61
1	11.083 107.083	424.78	423.90	423.90
1	11.167 107.167	426.55	425.72	425.72
1	11.250 107.250	428.78	427.75	427.75
1	11.333 107.333	431.46	430.22	430.22
1	11.417 107.417	434.51	433.09	433.09
1	11.500 107.500	437.88	436.31	436.31
1	11.583 107.583	441.52	439.83	439.83
1	11.667 107.667	445.39	443.59	443.59
1	11.750 107.750	449.47	447.57	447.57
1	11.833 107.833	453.74	451.75	451.75
1	11.917 107.917	458.19	456.12	456.12
1	12.000 108.000	462.81	460.66	460.66
1	12.083 108.083	467.98	465.58	465.58
1	12.167 108.167	474.55	471.51	471.51
1	12.250 108.250	482.32	478.72	478.72
1	12.333 108.333	489.13	485.93	485.93
1	12.417 108.417	494.62	492.03	492.03
1	12.500 108.500	500.89	497.98	497.98
1	12.583 108.583	509.15	505.34	505.34
1	12.667 108.667	519.56	514.74	514.74
1	12.750 108.750	531.06	525.72	525.72
1	12.833 108.833	541.62	536.67	536.67
1	12.917 108.917	550.32	546.22	546.22
1	13.000 109.000	558.35	554.58	554.58
1	13.083 109.083	566.54	562.72	562.72
1	13.167 109.167	574.99	571.05	571.05
1	13.250 109.250	583.52	579.54	579.54
1	13.333 109.333	591.06	587.52	587.52
1	13.417 109.417	597.11	594.26	594.26
1	13.500 109.500	602.73	600.10	600.10
1	13.583 109.583	608.61	605.87	605.87
1	13.667 109.667	614.90	611.97	611.97
1	13.750 109.750	621.66	618.51	618.51
1	13.833 109.833	628.91	625.53	625.53
1	13.917 109.917	636.69	633.07	633.07
1	14.000 110.000	645.03	641.15	641.15
1	14.083 110.083	654.01	649.83	649.83
1	14.167 110.167	663.89	659.29	659.29
1	14.250 110.250	674.71	669.67	669.67
1	14.333 110.333	685.63	680.53	680.53
1	14.417 110.417	696.12	691.21	691.21
1	14.500 110.500	707.40	702.15	702.15
1	14.583 110.583	720.86	714.62	714.62
1	14.667 110.667	736.82	729.42	729.42
1	14.750 110.750	754.70	746.39	746.39
1	14.833 110.833	773.46	764.72	764.72
1	14.917 110.917	792.84	783.80	783.80
1	15.000 111.000	813.53	803.90	803.90
1	15.083 111.083	835.13	825.06	825.06
1	15.167 111.167	854.75	845.56	845.56
1	15.250 111.250	871.91	863.85	863.85

1	15.333	111.333	889.53	881.31	881.31
1	15.417	111.417	907.29	899.00	899.00
1	15.500	111.500	923.25	915.76	915.76
1	15.583	111.583	938.58	931.41	931.41
1	15.667	111.667	957.02	948.47	948.47
1	15.750	111.750	980.87	969.84	969.84
1	15.833	111.833	1011.07	997.10	997.10
1	15.917	111.917	1051.06	1032.59	1032.59
1	16.000	112.000	1111.24	1083.55	1083.55
1	16.083	112.083	1247.27	1185.26	1185.26
1	16.167	112.167	1469.23	1367.35	1367.35
1	16.250	112.250	1579.23	1525.77	1525.77
1	16.333	112.333	1479.70	1522.00	1522.00
1	16.417	112.417	1334.06	1400.98	1400.98
1	16.500	112.500	1288.98	1311.94	1311.94
1	16.583	112.583	1276.51	1283.05	1283.05
1	16.667	112.667	1268.71	1272.48	1272.48
1	16.750	112.750	1256.49	1262.12	1262.12
1	16.833	112.833	1243.04	1249.29	1249.29
1	16.917	112.917	1232.14	1237.28	1237.28
1	17.000	113.000	1222.43	1226.99	1226.99
1	17.083	113.083	1216.41	1219.29	1219.29
1	17.167	113.167	1211.72	1213.94	1213.94
1	17.250	113.250	1210.78	1211.29	1211.29
1	17.333	113.333	1210.26	1210.52	1210.52
1	17.417	113.417	1210.11	1210.19	1210.19
1	17.500	113.500	1209.53	1209.80	1209.80
1	17.583	113.583	1208.45	1208.95	1208.95
1	17.667	113.667	1206.80	1207.56	1207.56
1	17.750	113.750	1205.21	1205.96	1205.96
1	17.833	113.833	1202.28	1203.62	1203.62
1	17.917	113.917	1200.47	1201.34	1201.34
1	18.000	114.000	1198.00	1199.14	1199.14
1	18.083	114.083	1193.58	1195.60	1195.60
1	18.167	114.167	1189.49	1191.40	1191.40
1	18.250	114.250	1184.83	1187.00	1187.00
1	18.333	114.333	1179.80	1182.14	1182.14
1	18.417	114.417	1173.12	1176.21	1176.21
1	18.500	114.500	1169.34	1171.16	1171.16
1	18.583	114.583	1166.49	1167.84	1167.84
1	18.667	114.667	1163.78	1165.05	1165.05
1	18.750	114.750	1161.07	1162.34	1162.34
1	18.833	114.833	1158.39	1159.65	1159.65
1	18.917	114.917	1155.74	1156.98	1156.98
1	19.000	115.000	1153.12	1154.35	1154.35
1	19.083	115.083	1150.53	1151.74	1151.74
1	19.167	115.167	1147.92	1149.13	1149.13
1	19.250	115.250	1145.28	1146.51	1146.51
1	19.333	115.333	1142.60	1143.85	1143.85
1	19.417	115.417	1139.88	1141.15	1141.15
1	19.500	115.500	1137.04	1138.36	1138.36
1	19.583	115.583	1134.03	1135.43	1135.43
1	19.667	115.667	1130.05	1131.89	1131.89
1	19.750	115.750	1126.72	1128.28	1128.28
1	19.833	115.833	1124.00	1125.28	1125.28
1	19.917	115.917	1121.36	1122.60	1122.60
1	20.000	116.000	1118.79	1119.99	1119.99
1	20.083	116.083	1116.29	1117.46	1117.46
1	20.167	116.167	1113.80	1114.96	1114.96
1	20.250	116.250	1111.32	1112.48	1112.48
1	20.333	116.333	1108.86	1110.01	1110.01
1	20.417	116.417	1106.42	1107.56	1107.56
1	20.500	116.500	1103.98	1105.12	1105.12
1	20.583	116.583	1101.55	1102.68	1102.68
1	20.667	116.667	1099.11	1100.25	1100.25
1	20.750	116.750	1096.68	1097.81	1097.81
1	20.833	116.833	1094.24	1095.38	1095.38
1	20.917	116.917	1091.81	1092.95	1092.95
1	21.000	117.000	1089.38	1090.51	1090.51
1	21.083	117.083	1086.96	1088.09	1088.09
1	21.167	117.167	1084.62	1085.71	1085.71
1	21.250	117.250	1082.34	1083.41	1083.41
1	21.333	117.333	1080.08	1081.14	1081.14
1	21.417	117.417	1077.83	1078.88	1078.88
1	21.500	117.500	1075.58	1076.63	1076.63
1	21.583	117.583	1073.33	1074.38	1074.38
1	21.667	117.667	1071.09	1072.13	1072.13
1	21.750	117.750	1068.85	1069.89	1069.89
1	21.833	117.833	1066.62	1067.66	1067.66
1	21.917	117.917	1064.39	1065.43	1065.43
1	22.000	118.000	1062.16	1063.20	1063.20
1	22.083	118.083	1059.93	1060.97	1060.97
1	22.167	118.167	1057.56	1058.66	1058.66
1	22.250	118.250	1054.31	1055.81	1055.81
1	22.333	118.333	1050.22	1052.11	1052.11
1	22.417	118.417	1046.03	1047.99	1047.99
1	22.500	118.500	1041.84	1043.80	1043.80
1	22.583	118.583	1037.66	1039.61	1039.61
1	22.667	118.667	1033.49	1035.44	1035.44
1	22.750	118.750	1029.33	1031.27	1031.27
1	22.833	118.833	1025.19	1027.12	1027.12
1	22.917	118.917	1021.06	1022.99	1022.99
1	23.000	119.000	1016.94	1018.86	1018.86
1	23.083	119.083	1012.83	1014.75	1014.75
1	23.167	119.167	1008.73	1010.65	1010.65
1	23.250	119.250	1004.60	1006.53	1006.53
1	23.333	119.333	1000.40	1002.36	1002.36
1	23.417	119.417	996.16	998.14	998.14
1	23.500	119.500	991.93	993.90	993.90
1	23.583	119.583	987.71	989.68	989.68
1	23.667	119.667	983.50	985.46	985.46
1	23.750	119.750	979.31	981.27	981.27
1	23.833	119.833	975.13	977.08	977.08
1	23.917	119.917	970.97	972.92	972.92
1	24.000	120.000	966.83	968.76	968.76
1	24.083	120.083	962.13	964.31	964.31
1	24.167	120.167	955.87	958.76	958.76
1	24.250	120.250	948.63	951.99	951.99
1	24.333	120.333	941.99	945.10	945.10
1	24.417	120.417	936.32	938.98	938.98
1	24.500	120.500	930.85	933.41	933.41
1	24.583	120.583	925.42	927.95	927.95
1	24.667	120.667	919.96	922.51	922.51
1	24.750	120.750	914.49	917.05	917.05
1	24.833	120.833	909.04	911.59	911.59
1	24.917	120.917	903.61	906.14	906.14
1	25.000	121.000	898.21	900.73	900.73
1	25.083	121.083	892.85	895.36	895.36
1	25.167	121.167	887.50	890.00	890.00
1	25.250	121.250	882.04	884.59	884.59
1	25.333	121.333	876.43	879.05	879.05
1	25.417	121.417	870.76	873.40	873.40
1	25.500	121.500	865.10	867.74	867.74
1	25.583	121.583	859.47	862.10	862.10
1	25.667	121.667	853.87	856.48	856.48
1	25.750	121.750	848.29	850.90	850.90
1	25.833	121.833	842.76	845.34	845.34
1	25.917	121.917	837.25	839.82	839.82
1	26.000	122.000	831.75	834.32	834.32
1	26.083	122.083	826.10	828.74	828.74
1	26.167	122.167	819.87	822.76	822.76
1	26.250	122.250	813.19	816.30	816.30
1	26.333	122.333	806.51	809.63	809.63
1	26.417	122.417	799.90	802.99	802.99

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  1   26.500 122.500       793.35      796.41      796.41
  1   26.583 122.583       786.85      789.88      789.88
  1   26.667 122.667       780.40      783.41      783.41
  1   26.750 122.750       774.00      776.99      776.99
  1   26.833 122.833       767.37      770.46      770.46
  1   26.917 122.917       758.88      762.81      762.81
  1   27.000 123.000       748.01      753.04      753.04
  1   27.083 123.083       736.34      741.77      741.77
  1   27.167 123.167       724.72      730.15      730.15
  1   27.250 123.250       713.27      718.62      718.62
  1   27.333 123.333       701.86      707.18      707.18
  1   27.417 123.417       689.81      695.42      695.42
  1   27.500 123.500       677.15      683.05      683.05
  1   27.583 123.583       664.60      670.46      670.46
  1   27.667 123.667       652.26      658.02      658.02
  1   27.750 123.750       640.12      645.79      645.79
  1   27.833 123.833       627.59      633.43      633.43
  1   27.917 123.917       612.58      619.54      619.54
  1   28.000 124.000       595.50      603.43      603.43
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   2117.534 AF
    OUTFLOW VOLUME =   2117.534 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6320.00 TO NODE   6330.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   300.7 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

     (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     300.700 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.290 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.240|   0.240|   0.240|   0.240|   0.240|
        | LOW LOSS FRACTION |   0.430|   0.670|   0.900|   0.990|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.987
         30-MINUTE FACTOR = 0.987
          1-HOUR FACTOR = 0.987
          3-HOUR FACTOR = 0.998
          6-HOUR FACTOR = 0.999
         24-HOUR FACTOR = 0.999

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  28.736


        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
        MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                3.181               115.682
         2               14.148               398.807
         3               32.649               672.813
         4               49.391               608.859
         5               59.445               365.623
         6               65.754               229.414
         7               70.572               175.227
         8               74.508               143.109
         9               77.679               115.331
        10               80.307                95.584
        11               82.561                81.961
        12               84.486                69.998
        13               86.124                59.571
        14               87.475                49.137
        15               88.623                41.748
        16               89.558                33.981
        17               90.435                31.907
        18               91.248                29.581
        19               92.036                28.658
        20               92.761                26.336
        21               93.465                25.630
        22               94.104                23.223
        23               94.697                21.573
        24               95.280                21.195
        25               95.767                17.699
        26               96.231                16.876
        27               96.695                16.868
        28               97.112                15.192
        29               97.431                11.595
        30               97.741                11.275
        31               98.051                11.279
        32               98.361                11.271
        33               98.547                 6.740
        34               98.632                 3.085
        35               98.716                 3.070
        36               98.801                 3.077
        37               98.885                 3.077
        38               98.970                 3.077
        39               99.054                 3.077
        40               99.139                 3.077
        41               99.224                 3.085
        42               99.308                 3.070
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43	99.393	3.070
44	99.477	3.070
45	99.562	3.070
46	99.646	3.070
47	99.730	3.070
48	99.815	3.070
49	99.899	3.070
50	99.984	3.070
51	100.000	0.594

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 150.1466

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 139.5311

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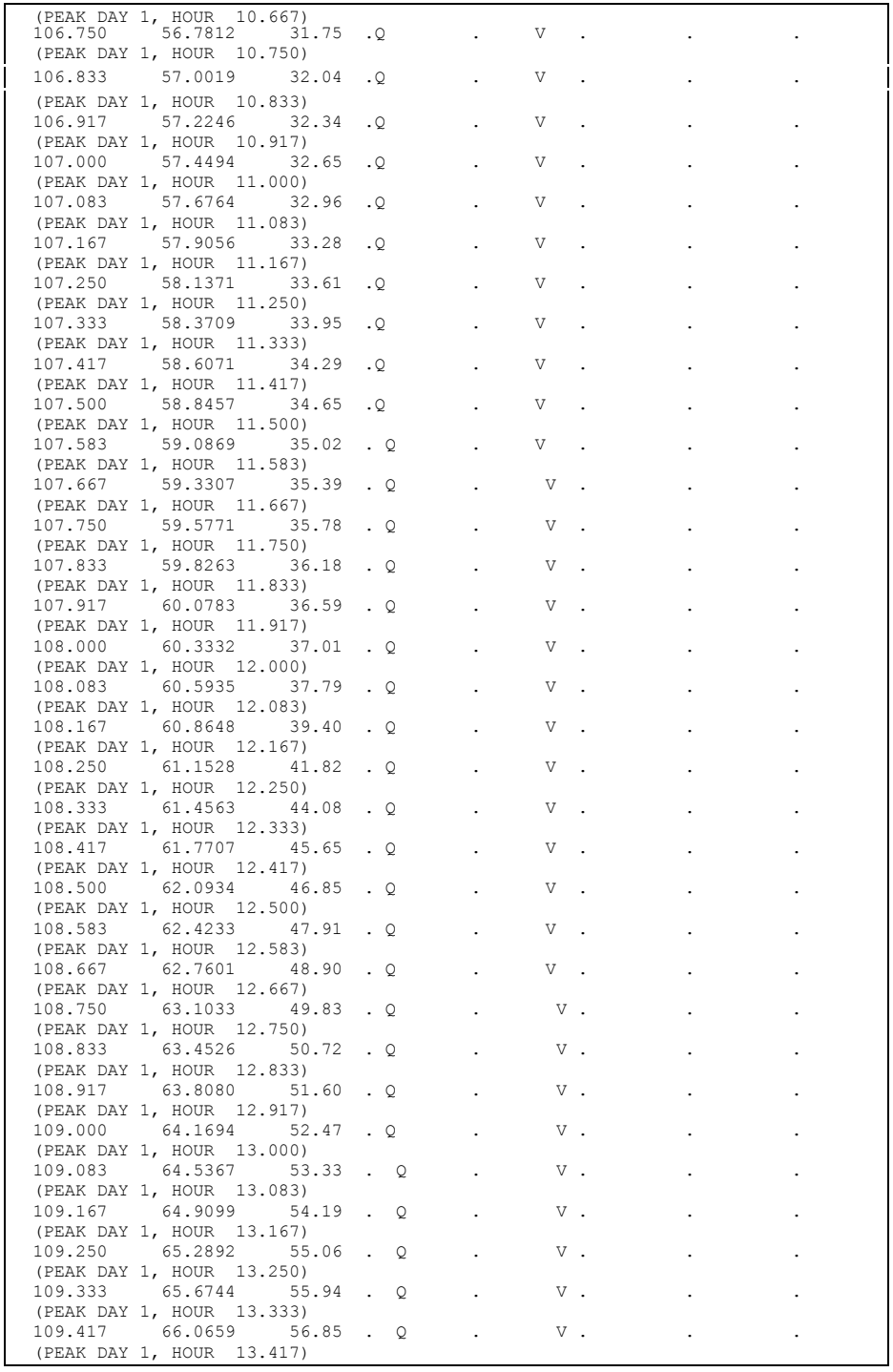
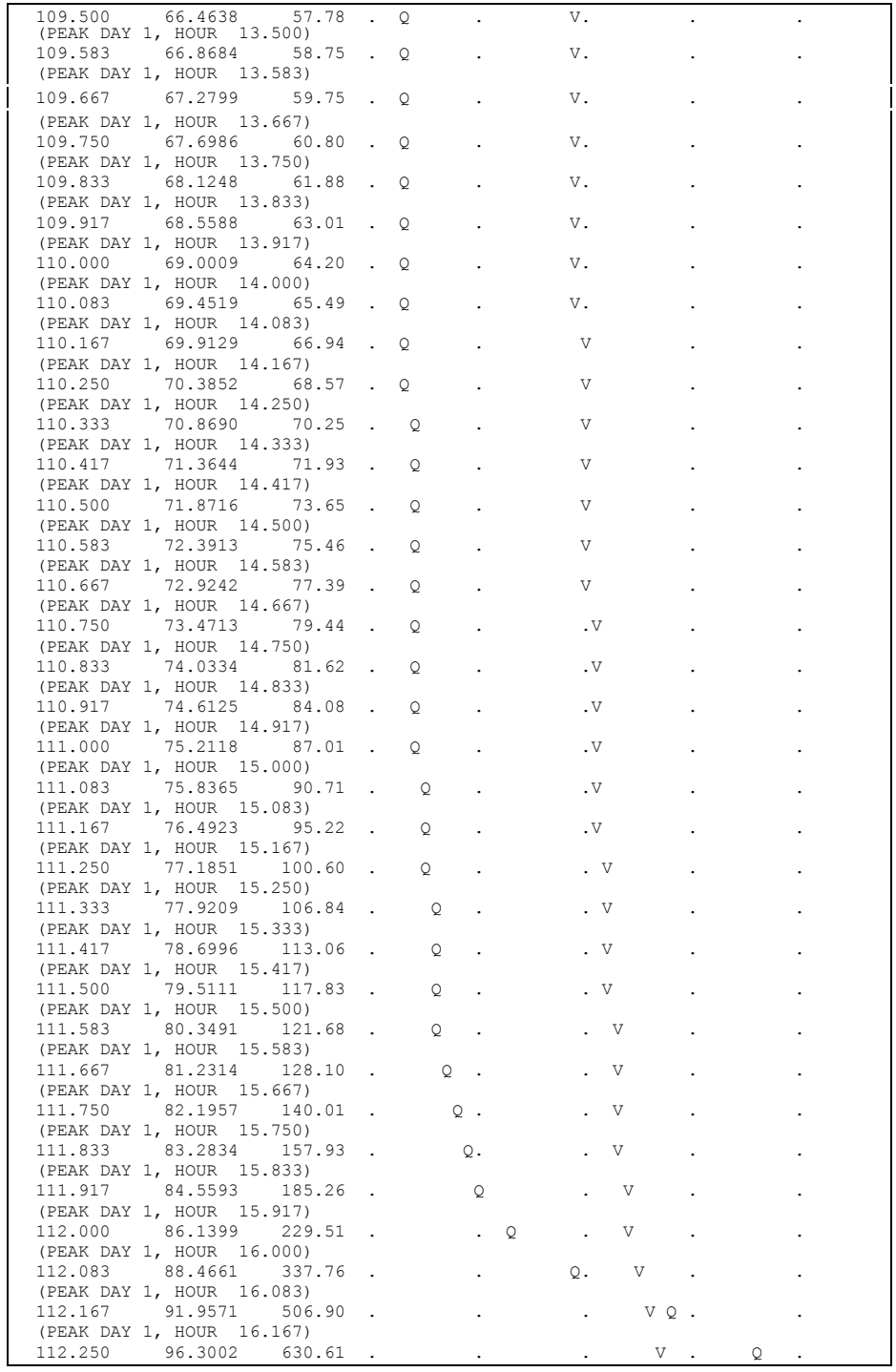
5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	175.0	350.0	525.0	700.0
96.000	37.7332	4.73	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	37.7682	5.09	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	37.8124	6.41	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	37.8721	8.68	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	37.9461	10.74	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	38.0287	11.99	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	38.1168	12.79	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	38.2091	13.41	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	38.3050	13.93	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	38.4039	14.35	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	38.5052	14.71	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	38.6087	15.03	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	38.7141	15.31	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	38.8213	15.56	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	38.9299	15.77	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	39.0398	15.96	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	39.1508	16.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	39.2630	16.28	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	39.3762	16.44	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	39.4904	16.59	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	39.6056	16.73	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	39.7218	16.87	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	39.8390	17.01	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	39.9570	17.14	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	40.0760	17.27	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	40.1957	17.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	40.3163	17.51	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	40.4377	17.63	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	40.5599	17.74	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	40.6829	17.85	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	40.8065	17.95	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	40.9308	18.06	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	41.0559	18.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	41.1816	18.25	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	41.3079	18.33	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	41.4347	18.41	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	41.5620	18.49	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	41.6899	18.57	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	41.8184	18.66	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	41.9475	18.74	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	42.0771	18.82	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	42.2074	18.91	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	42.3382	18.99	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	42.4696	19.08	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	42.6016	19.17	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	42.7342	19.26	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	42.8675	19.35	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	43.0013	19.44	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	43.1358	19.53	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	43.2709	19.62	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	43.4067	19.71	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	43.5431	19.80	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	43.6800	19.88	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	43.8175	19.97	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	43.9556	20.06	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	44.0944	20.14	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	44.2337	20.23	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	44.3737	20.32	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	44.5142	20.41	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	44.6554	20.50	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	44.7973	20.60	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	44.9398	20.69	.Q	. V	.	.	.

(PEAK DAY 1, HOUR 5.083)
101.167 45.0829 20.78 .Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 45.2267 20.88 .Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 45.3712 20.98 .Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 45.5163 21.08 .Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 45.6622 21.18 .Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 45.8087 21.28 .Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 45.9559 21.38 .Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 46.1039 21.48 .Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 46.2525 21.59 .Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 46.4019 21.69 .Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 46.5520 21.80 .Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 46.7029 21.91 .Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 46.8546 22.02 .Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 47.0070 22.13 .Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 47.1602 22.24 .Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 47.3141 22.36 .Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 47.4689 22.47 .Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 47.6245 22.59 .Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 47.7809 22.71 .Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 47.9381 22.83 .Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 48.0962 22.95 .Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 48.2552 23.08 .Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 48.4150 23.20 .Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 48.5757 23.33 .Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 48.7373 23.46 .Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 48.8998 23.59 .Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 49.0632 23.73 .Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 49.2275 23.86 .Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 49.3928 24.00 .Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 49.5591 24.14 .Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 49.7263 24.28 .Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 49.8946 24.43 .Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 50.0638 24.57 .Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 50.2341 24.72 .Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 50.4054 24.87 .Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 50.5777 25.03 .Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 50.7512 25.18 .Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 50.9257 25.34 .Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 51.1013 25.50 .Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 51.2781 25.67 .Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 51.4560 25.83 .Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 51.6351 26.00 .Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 51.8154 26.17 .Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 51.9968 26.35 .Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 52.1795 26.53 .Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 52.3635 26.71 .Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 52.5487 26.90 .Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 52.7353 27.08 .Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 52.9231 27.28 .Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 53.1123 27.47 .Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 53.3029 27.67 .Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 53.4948 27.87 .Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 53.6882 28.08 .Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 53.8830 28.29 .Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 54.0794 28.51 .Q . V . . .
(PEAK DAY 1, HOUR 9.667)
105.750 54.2772 28.72 .Q . V . . .
(PEAK DAY 1, HOUR 9.750)
105.833 54.4766 28.95 .Q . V . . .
(PEAK DAY 1, HOUR 9.833)
105.917 54.6775 29.18 .Q . V . . .
(PEAK DAY 1, HOUR 9.917)
106.000 54.8800 29.41 .Q . V . . .
(PEAK DAY 1, HOUR 10.000)
106.083 55.0842 29.65 .Q . V . . .
(PEAK DAY 1, HOUR 10.083)
106.167 55.2901 29.89 .Q . V . . .
(PEAK DAY 1, HOUR 10.167)
106.250 55.4977 30.14 .Q . V . . .
(PEAK DAY 1, HOUR 10.250)
106.333 55.7070 30.39 .Q . V . . .
(PEAK DAY 1, HOUR 10.333)
106.417 55.9181 30.65 .Q . V . . .
(PEAK DAY 1, HOUR 10.417)
106.500 56.1310 30.92 .Q . V . . .
(PEAK DAY 1, HOUR 10.500)
106.583 56.3458 31.19 .Q . V . . .
(PEAK DAY 1, HOUR 10.583)
106.667 56.5625 31.47 .Q . V . . .


(PEAK DAY 1, HOUR 10.667)
106.750 56.7812 31.75 .Q . V . . .
(PEAK DAY 1, HOUR 10.750)
106.833 57.0019 32.04 .Q . V . . .
(PEAK DAY 1, HOUR 10.833)
106.917 57.2246 32.34 .Q . V . . .
(PEAK DAY 1, HOUR 10.917)
107.000 57.4494 32.65 .Q . V . . .
(PEAK DAY 1, HOUR 11.000)
107.083 57.6764 32.96 .Q . V . . .
(PEAK DAY 1, HOUR 11.083)
107.167 57.9056 33.28 .Q . V . . .
(PEAK DAY 1, HOUR 11.167)
107.250 58.1371 33.61 .Q . V . . .
(PEAK DAY 1, HOUR 11.250)
107.333 58.3709 33.95 .Q . V . . .
(PEAK DAY 1, HOUR 11.333)
107.417 58.6071 34.29 .Q . V . . .
(PEAK DAY 1, HOUR 11.417)
107.500 58.8457 34.65 .Q . V . . .
(PEAK DAY 1, HOUR 11.500)
107.583 59.0869 35.02 . Q . V . . .
(PEAK DAY 1, HOUR 11.583)
107.667 59.3307 35.39 . Q . V . . .
(PEAK DAY 1, HOUR 11.667)
107.750 59.5771 35.78 . Q . V . . .
(PEAK DAY 1, HOUR 11.750)
107.833 59.8263 36.18 . Q . V . . .
(PEAK DAY 1, HOUR 11.833)
107.917 60.0783 36.59 . Q . V . . .
(PEAK DAY 1, HOUR 11.917)
108.000 60.3332 37.01 . Q . V . . .
(PEAK DAY 1, HOUR 12.000)
108.083 60.5935 37.79 . Q . V . . .
(PEAK DAY 1, HOUR 12.083)
108.167 60.8648 39.40 . Q . V . . .
(PEAK DAY 1, HOUR 12.167)
108.250 61.1528 41.82 . Q . V . . .
(PEAK DAY 1, HOUR 12.250)
108.333 61.4563 44.08 . Q . V . . .
(PEAK DAY 1, HOUR 12.333)
108.417 61.7707 45.65 . Q . V . . .
(PEAK DAY 1, HOUR 12.417)
108.500 62.0934 46.85 . Q . V . . .
(PEAK DAY 1, HOUR 12.500)
108.583 62.4233 47.91 . Q . V . . .
(PEAK DAY 1, HOUR 12.583)
108.667 62.7601 48.90 . Q . V . . .
(PEAK DAY 1, HOUR 12.667)
108.750 63.1033 49.83 . Q . V . . .
(PEAK DAY 1, HOUR 12.750)
108.833 63.4526 50.72 . Q . V . . .
(PEAK DAY 1, HOUR 12.833)
108.917 63.8080 51.60 . Q . V . . .
(PEAK DAY 1, HOUR 12.917)
109.000 64.1694 52.47 . Q . V . . .
(PEAK DAY 1, HOUR 13.000)
109.083 64.5367 53.33 . Q . V . . .
(PEAK DAY 1, HOUR 13.083)
109.167 64.9099 54.19 . Q . V . . .
(PEAK DAY 1, HOUR 13.167)
109.250 65.2892 55.06 . Q . V . . .
(PEAK DAY 1, HOUR 13.250)
109.333 65.6744 55.94 . Q . V . . .
(PEAK DAY 1, HOUR 13.333)
109.417 66.0659 56.85 . Q . V . . .
(PEAK DAY 1, HOUR 13.417)


109.500 66.4638 57.78 . Q . V. . .
(PEAK DAY 1, HOUR 13.500)
109.583 66.8684 58.75 . Q . V. . .
(PEAK DAY 1, HOUR 13.583)
109.667 67.2799 59.75 . Q . V. . .
(PEAK DAY 1, HOUR 13.667)
109.750 67.6986 60.80 . Q . V. . .
(PEAK DAY 1, HOUR 13.750)
109.833 68.1248 61.88 . Q . V. . .
(PEAK DAY 1, HOUR 13.833)
109.917 68.5588 63.01 . Q . V. . .
(PEAK DAY 1, HOUR 13.917)
110.000 69.0009 64.20 . Q . V. . .
(PEAK DAY 1, HOUR 14.000)
110.083 69.4519 65.49 . Q . V. . .
(PEAK DAY 1, HOUR 14.083)
110.167 69.9129 66.94 . Q . V . .
(PEAK DAY 1, HOUR 14.167)
110.250 70.3852 68.57 . Q . V . .
(PEAK DAY 1, HOUR 14.250)
110.333 70.8690 70.25 . Q . V . .
(PEAK DAY 1, HOUR 14.333)
110.417 71.3644 71.93 . Q . V . .
(PEAK DAY 1, HOUR 14.417)
110.500 71.8716 73.65 . Q . V . .
(PEAK DAY 1, HOUR 14.500)
110.583 72.3913 75.46 . Q . V . .
(PEAK DAY 1, HOUR 14.583)
110.667 72.9242 77.39 . Q . V . .
(PEAK DAY 1, HOUR 14.667)
110.750 73.4713 79.44 . Q . .V . .
(PEAK DAY 1, HOUR 14.750)
110.833 74.0334 81.62 . Q . .V . .
(PEAK DAY 1, HOUR 14.833)
110.917 74.6125 84.08 . Q . .V . .
(PEAK DAY 1, HOUR 14.917)
111.000 75.2118 87.01 . Q . .V . .
(PEAK DAY 1, HOUR 15.000)
111.083 75.8365 90.71 . Q . .V . .
(PEAK DAY 1, HOUR 15.083)
111.167 76.4923 95.22 . Q . .V . .
(PEAK DAY 1, HOUR 15.167)
111.250 77.1851 100.60 . Q . . V . .
(PEAK DAY 1, HOUR 15.250)
111.333 77.9209 106.84 . Q . . V . .
(PEAK DAY 1, HOUR 15.333)
111.417 78.6996 113.06 . Q . . V . .
(PEAK DAY 1, HOUR 15.417)
111.500 79.5111 117.83 . Q . . V . .
(PEAK DAY 1, HOUR 15.500)
111.583 80.3491 121.68 . Q . . V . .
(PEAK DAY 1, HOUR 15.583)
111.667 81.2314 128.10 . Q . . V . .
(PEAK DAY 1, HOUR 15.667)
111.750 82.1957 140.01 . Q . . V . .
(PEAK DAY 1, HOUR 15.750)
111.833 83.2834 157.93 . Q. . V . .
(PEAK DAY 1, HOUR 15.833)
111.917 84.5593 185.26 . Q . V . .
(PEAK DAY 1, HOUR 15.917)
112.000 86.1399 229.51 . . Q . V . .
(PEAK DAY 1, HOUR 16.000)
112.083 88.4661 337.76 . . Q. V . .
(PEAK DAY 1, HOUR 16.083)
112.167 91.9571 506.90 . . . V Q . .
(PEAK DAY 1, HOUR 16.167)
112.250 96.3002 630.61 . . . V . Q .

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 (PEAK DAY 1, HOUR  16.250)
112.333    100.2459    572.92  .         .         .       V . Q       .
 (PEAK DAY 1, HOUR  16.333)
112.417    103.1874    427.11  .         .         .   Q    V.         .
 (PEAK DAY 1, HOUR  16.417)
112.500    105.4805    332.96  .         .        Q.         V         .
 (PEAK DAY 1, HOUR  16.500)
112.583    107.4393    284.42  .         .     Q   .         V         .
 (PEAK DAY 1, HOUR  16.583)
112.667    109.1666    250.80  .         .   Q     .         .V        .
 (PEAK DAY 1, HOUR  16.667)
112.750    110.6897    221.16  .         . Q       .         .V        .
 (PEAK DAY 1, HOUR  16.750)
112.833    112.0484    197.28  .         .Q        .         . V       .
 (PEAK DAY 1, HOUR  16.833)
112.917    113.2786    178.63  .         Q         .         . V       .
 (PEAK DAY 1, HOUR  16.917)
113.000    114.3999    162.81  .        Q.         .         . V       .
 (PEAK DAY 1, HOUR  17.000)
113.083    115.4265    149.07  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  17.083)
113.167    116.3665    136.48  .      Q  .         .         .  V      .
 (PEAK DAY 1, HOUR  17.167)
113.250    117.2360    126.24  .      Q  .         .         .  V      .
 (PEAK DAY 1, HOUR  17.250)
113.333    118.0425    117.11  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  17.333)
113.417    118.8097    111.40  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  17.417)
113.500    119.5417    106.29  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  17.500)
113.583    120.2453    102.15  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.583)
113.667    120.9185     97.75  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.667)
113.750    121.5674     94.22  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.750)
113.833    122.1886     90.20  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  17.833)
113.917    122.7854     86.66  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.917)
114.000    123.3617     83.68  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.000)
114.083    123.9081     79.33  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.083)
114.167    124.4278     75.48  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.167)
114.250    124.9180     71.17  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.250)
114.333    125.3749     66.35  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  18.333)
114.417    125.7995     61.64  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.417)
114.500    126.2051     58.90  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.500)
114.583    126.5940     56.47  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.583)
114.667    126.9651     53.89  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.667)
114.750    127.3064     49.55  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.750)
114.833    127.6234     46.02  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.833)
114.917    127.9294     44.44  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.917)
115.000    128.2266     43.15  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  19.000)
115.083    128.5158     41.99  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  19.083)
115.167    128.7977     40.93  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  19.167)
115.250    129.0729     39.96  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.250)
115.333    129.3420     39.07  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.333)
115.417    129.6053     38.24  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.417)
115.500    129.8631     37.43  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.500)
115.583    130.1157     36.68  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.583)
115.667    130.3634     35.96  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.667)
115.750    130.6062     35.25  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.750)
115.833    130.8441     34.56  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.833)
115.917    131.0773     33.85  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.917)
116.000    131.3054     33.13  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.000)
116.083    131.5281     32.33  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.083)
116.167    131.7443     31.40  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.167)
116.250    131.9476     29.51  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.250)
116.333    132.1442     28.55  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.333)
116.417    132.3369     27.98  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.417)
116.500    132.5261     27.48  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.500)
116.583    132.7121     27.00  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.583)
116.667    132.8950     26.56  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.667)
116.750    133.0751     26.15  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.750)
116.833    133.2526     25.78  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.833)
116.917    133.4277     25.42  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.917)
117.000    133.6004     25.08  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.000)
117.083    133.7708     24.75  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.083)
117.167    133.9391     24.43  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.167)
117.250    134.1053     24.13  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.250)
117.333    134.2694     23.83  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.333)
117.417    134.4316     23.55  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.417)
117.500    134.5918     23.27  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.500)
117.583    134.7503     23.00  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.583)
117.667    134.9069     22.74  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.667)
117.750    135.0618     22.49  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.750)
117.833    135.2150     22.25  .Q        .         .         .       V .
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(PEAK DAY 1, HOUR 21.833)
117.917 135.3666 22.01 .Q . . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 135.5165 21.77 .Q . . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 135.6649 21.55 .Q . . . V .
(PEAK DAY 1, HOUR 22.083)
118.167 135.8118 21.33 .Q . . . V .
(PEAK DAY 1, HOUR 22.167)
118.250 135.9573 21.12 .Q . . . V .
(PEAK DAY 1, HOUR 22.250)
118.333 136.1014 20.92 .Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 136.2441 20.73 .Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 136.3856 20.54 .Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 136.5257 20.35 .Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 136.6646 20.17 .Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 136.8023 19.99 .Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 136.9388 19.82 .Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 137.0741 19.65 .Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 137.2083 19.48 .Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 137.3414 19.32 .Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 137.4734 19.16 .Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 137.6043 19.01 .Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 137.7341 18.86 .Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 137.8630 18.71 .Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 137.9908 18.56 .Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 138.1177 18.42 .Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 138.2436 18.28 .Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 138.3686 18.15 .Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 138.4927 18.01 .Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 138.6158 17.88 .Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 138.7381 17.75 .Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 138.8558 17.09 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 138.9599 15.13 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 139.0420 11.91 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 139.1041 9.02 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 139.1541 7.26 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 139.1965 6.15 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 139.2330 5.30 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 139.2646 4.60 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 139.2924 4.03 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 139.3169 3.56 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 139.3386 3.15 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 139.3580 2.81 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 139.3753 2.51 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 139.3909 2.27 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 139.4051 2.06 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 139.4180 1.89 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 139.4299 1.72 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 139.4408 1.58 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 139.4506 1.43 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 139.4596 1.30 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 139.4676 1.17 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 139.4749 1.06 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 139.4814 0.95 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 139.4873 0.84 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 139.4925 0.76 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 139.4971 0.67 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 139.5012 0.59 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 139.5047 0.52 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 139.5079 0.46 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 139.5107 0.40 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 139.5130 0.35 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 139.5151 0.29 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 139.5168 0.26 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 139.5185 0.24 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 139.5201 0.23 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 139.5216 0.21 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 139.5229 0.20 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 139.5242 0.18 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 139.5253 0.17 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 139.5264 0.15 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 139.5273 0.13 Q . . . V.

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 (PEAK DAY 1, HOUR  27.417)
 123.500    139.5281      0.12  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583    139.5288      0.10  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667    139.5294      0.09  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750    139.5300      0.08  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833    139.5304      0.06  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917    139.5307      0.05  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.917)
 124.000    139.5309      0.03  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  28.000)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  5341.3 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  5341.3 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
         (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      550.0    1100.0    1650.0    2200.0
--------------------------------------------------------------------------------
  96.000    594.2886     66.34  .Q         V          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    594.7471     66.58  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    595.2249     69.38  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    595.7480     75.96  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    596.3325     84.87  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    596.9864     94.94  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    597.7319    108.25  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    598.6196    128.89  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    599.6803    154.02  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    600.8806    174.28  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    602.1709    187.35  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    603.5261    196.78  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    604.9341    204.43  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    606.3862    210.85  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    607.8767    216.41  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    609.4009    221.31  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    610.9547    225.62  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    612.5349    229.44  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    614.1390    232.91  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    615.7651    236.11  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    617.4109    238.98  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    619.0747    241.58  .  Q       V          .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    620.7546    243.92  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    622.4487    245.99  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    624.1559    247.89  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    625.8755    249.68  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    627.6060    251.26  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    629.3453    252.55  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    631.0926    253.70  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    632.8475    254.82  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    634.6101    255.92  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    636.3804    257.04  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    638.1584    258.16  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    639.9441    259.28  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    641.7375    260.40  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    643.5387    261.53  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    645.3477    262.67  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    647.1647    263.82  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    648.9896    264.98  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    650.8227    266.16  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    652.6639    267.34  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    654.5133    268.54  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    656.3711    269.75  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    658.2372    270.97  .  Q      .V          .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    660.1119    272.19  .  Q      .V          .          .          .
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(PEAK DAY 1, HOUR 3.667)
99.750 661.9950 273.43 . Q .V . . .
(PEAK DAY 1, HOUR 3.750)
99.833 663.8867 274.67 . Q .V . . .
(PEAK DAY 1, HOUR 3.833)
99.917 665.7870 275.93 . Q .V . . .
(PEAK DAY 1, HOUR 3.917)
100.000 667.6959 277.16 . Q .V . . .
(PEAK DAY 1, HOUR 4.000)
100.083 669.6129 278.35 . Q .V . . .
(PEAK DAY 1, HOUR 4.083)
100.167 671.5378 279.51 . Q .V . . .
(PEAK DAY 1, HOUR 4.167)
100.250 673.4708 280.67 . Q .V . . .
(PEAK DAY 1, HOUR 4.250)
100.333 675.4119 281.84 . Q .V . . .
(PEAK DAY 1, HOUR 4.333)
100.417 677.3611 283.02 . Q . V . . .
(PEAK DAY 1, HOUR 4.417)
100.500 679.3185 284.22 . Q . V . . .
(PEAK DAY 1, HOUR 4.500)
100.583 681.2843 285.43 . Q . V . . .
(PEAK DAY 1, HOUR 4.583)
100.667 683.2585 286.65 . Q . V . . .
(PEAK DAY 1, HOUR 4.667)
100.750 685.2411 287.89 . Q . V . . .
(PEAK DAY 1, HOUR 4.750)
100.833 687.2324 289.14 . Q . V . . .
(PEAK DAY 1, HOUR 4.833)
100.917 689.2324 290.40 . Q . V . . .
(PEAK DAY 1, HOUR 4.917)
101.000 691.2413 291.68 . Q . V . . .
(PEAK DAY 1, HOUR 5.000)
101.083 693.2590 292.98 . Q . V . . .
(PEAK DAY 1, HOUR 5.083)
101.167 695.2858 294.28 . Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 697.3217 295.61 . Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 699.3668 296.95 . Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 701.4212 298.30 . Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 703.4851 299.68 . Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 705.5585 301.06 . Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 707.6417 302.47 . Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 709.7346 303.89 . Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 711.8375 305.33 . Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 713.9504 306.79 . Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 716.0734 308.27 . Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 718.2068 309.76 . Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 720.3505 311.27 . Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 722.5049 312.81 . Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 724.6699 314.36 . Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 726.8458 315.93 . Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 729.0326 317.53 . Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 731.2305 319.14 . Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 733.4398 320.78 . Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 735.6604 322.44 . Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 737.8926 324.12 . Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 740.1367 325.83 . Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 742.3926 327.56 . Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 744.6605 329.31 . Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 746.9407 331.09 . Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 749.2333 332.89 . Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 751.5386 334.72 . Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 753.8566 336.57 . Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 756.1875 338.45 . Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 758.5316 340.36 . Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 760.8890 342.30 . Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 763.2600 344.27 . Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 765.6448 346.26 . Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 768.0435 348.29 . Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 770.4564 350.35 . Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 772.8837 352.44 . Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 775.3256 354.57 . Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 777.7823 356.72 . Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 780.2542 358.92 . Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 782.7414 361.14 . Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 785.2442 363.41 . Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 787.7628 365.71 . Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 790.2975 368.05 . Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 792.8487 370.43 . Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 795.4165 372.84 . Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 798.0012 375.31 . Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 800.6032 377.81 . Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 803.2227 380.36 . Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 805.8601 382.95 . Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 808.5157 385.59 . Q . V . . .

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 (PEAK DAY 1, HOUR   9.250)
105.333    811.1898    388.28  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
105.417    813.8827    391.02  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500    816.5948    393.81  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    819.3266    396.65  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    822.0782    399.54  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    824.8503    402.50  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    827.6430    405.50  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    830.4568    408.57  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    833.2922    411.70  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    836.1497    414.90  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    839.0295    418.16  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    841.9323    421.48  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    844.8585    424.88  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    847.8086    428.35  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    850.7831    431.90  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    853.7825    435.52  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    856.8075    439.23  .      Q  .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    859.8585    443.01  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    862.9362    446.88  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    866.0408    450.78  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    869.1693    454.26  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    872.3157    456.86  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    875.4768    459.00  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    878.6542    461.36  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    881.8509    464.16  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    885.0698    467.39  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    888.3134    470.97  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    891.5837    474.84  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    894.8824    478.98  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    898.2114    483.35  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    901.5718    487.94  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    904.9651    492.71  .       Q .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    908.3926    497.68  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    911.8593    503.37  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    915.3780    510.91  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    918.9630    520.54  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    922.6132    530.01  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    926.3162    537.68  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    930.0685    544.83  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    933.8787    553.25  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    937.7606    563.64  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    941.7244    575.55  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    945.7698    587.40  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    949.8870    597.82  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    954.0678    607.05  .         .Q    V   .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    958.3106    616.05  .         .Q    V   .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    962.6167    625.24  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    966.9872    634.60  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    971.4188    643.46  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    975.9030    651.10  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    980.4338    657.88  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    985.0110    664.62  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    989.6372    671.72  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    994.3156    679.31  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    999.0499    687.41  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917   1003.8438    696.08  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000   1008.7015    705.35  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083   1013.6280    715.32  .         .  Q   V  .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167   1018.6296    726.23  .         .  Q    V .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250   1023.7139    738.25  .         .  Q    V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333   1028.8846    750.78  .         .  Q    V .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417   1034.1404    763.14  .         .  Q    V .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500   1039.4833    775.80  .         .   Q   V .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583   1044.9246    790.08  .         .   Q   V .         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667   1050.4811    806.81  .         .   Q   V .         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750   1056.1686    825.83  .         .    Q  V .         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833   1061.9973    846.34  .         .    Q  V .         .         .
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 (PEAK DAY 1, HOUR  14.833)
110.917   1067.9745    867.89  .         .    Q  V .         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1074.1102    890.91  .         .     Q  V.         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1080.4172    915.77  .         .     Q  V.         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1086.8964    940.77  .         .      Q V.         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1093.5386    964.45  .         .      Q V.         .         .
 (PEAK DAY 1, HOUR  15.250)
111.333   1100.3440    988.15  .         .      Q V.         .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1107.3141   1012.06  .         .       QV.         .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1114.4325   1033.60  .         .       QV.         .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1121.6852   1053.09  .         .        Q.         .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1129.0996   1076.57  .         .        QV         .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1136.7433   1109.85  .         .         Q         .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1144.6981   1155.03  .         .         VQ        .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1153.0856   1217.85  .         .         V Q       .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1162.1287   1313.06  .         .         V  Q      .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1172.6178   1523.02  .         .         V      Q  .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1185.5259   1874.24  .         .         .V         .   Q     .
 (PEAK DAY 1, HOUR  16.167)
112.250   1200.3770   2156.38  .         .         .V         .        Q.
 (PEAK DAY 1, HOUR  16.250)
112.333   1214.8047   2094.91  .         .         .V         .       Q .
 (PEAK DAY 1, HOUR  16.333)
112.417   1227.3948   1828.08  .         .         .V         .  Q      .
 (PEAK DAY 1, HOUR  16.417)
112.500   1238.7233   1644.90  .         .         .V       Q.          .
 (PEAK DAY 1, HOUR  16.500)
112.583   1249.5184   1567.47  .         .         . V     Q .         .
 (PEAK DAY 1, HOUR  16.583)
112.667   1260.0093   1523.28  .         .         . V    Q  .         .
 (PEAK DAY 1, HOUR  16.667)
112.750   1270.2246   1483.27  .         .         . V   Q   .         .
 (PEAK DAY 1, HOUR  16.750)
112.833   1280.1871   1446.57  .         .         . V   Q   .         .
 (PEAK DAY 1, HOUR  16.833)
112.917   1289.9386   1415.91  .         .         . V  Q    .         .
 (PEAK DAY 1, HOUR  16.917)
113.000   1299.5103   1389.80  .         .         .  V Q    .         .
 (PEAK DAY 1, HOUR  17.000)
113.083   1308.9342   1368.36  .         .         .  VQ     .         .
 (PEAK DAY 1, HOUR  17.083)
113.167   1318.2346   1350.42  .         .         .  VQ     .         .
 (PEAK DAY 1, HOUR  17.167)
113.250   1327.4463   1337.54  .         .         .  VQ     .         .
 (PEAK DAY 1, HOUR  17.250)
113.333   1336.5897   1327.62  .         .         .  VQ     .         .
 (PEAK DAY 1, HOUR  17.333)
113.417   1345.6915   1321.59  .         .         .  VQ     .         .
 (PEAK DAY 1, HOUR  17.417)
113.500   1354.7555   1316.09  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  17.500)
113.583   1363.7852   1311.10  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  17.583)
113.667   1372.7749   1305.32  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  17.667)
113.750   1381.7292   1300.17  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  17.750)
113.833   1390.6399   1293.82  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  17.833)
113.917   1399.5104   1287.99  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  17.917)
114.000   1408.3452   1282.82  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  18.000)
114.083   1417.1257   1274.93  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  18.083)
114.167   1425.8508   1266.88  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  18.167)
114.250   1434.5159   1258.16  .         .         . Q  V    .         .
 (PEAK DAY 1, HOUR  18.250)
114.333   1443.1143   1248.49  .         .         . Q  V    .         .
 (PEAK DAY 1, HOUR  18.333)
114.417   1451.6394   1237.85  .         .         . Q  V    .         .
 (PEAK DAY 1, HOUR  18.417)
114.500   1460.1108   1230.06  .         .         . Q  V    .         .
 (PEAK DAY 1, HOUR  18.500)
114.583   1468.5427   1224.31  .         .         . Q   V   .         .
 (PEAK DAY 1, HOUR  18.583)
114.667   1476.9376   1218.94  .         .         . Q   V   .         .
 (PEAK DAY 1, HOUR  18.667)
114.750   1485.2839   1211.89  .         .         . Q   V   .         .
 (PEAK DAY 1, HOUR  18.750)
114.833   1493.5874   1205.67  .         .         .Q    V   .         .
 (PEAK DAY 1, HOUR  18.833)
114.917   1501.8616   1201.42  .         .         .Q    V   .         .
 (PEAK DAY 1, HOUR  18.917)
115.000   1510.1088   1197.50  .         .         .Q    V   .         .
 (PEAK DAY 1, HOUR  19.000)
115.083   1518.3301   1193.73  .         .         .Q    V   .         .
 (PEAK DAY 1, HOUR  19.083)
115.167   1526.5261   1190.06  .         .         .Q     V  .         .
 (PEAK DAY 1, HOUR  19.167)
115.250   1534.6974   1186.47  .         .         .Q     V  .         .
 (PEAK DAY 1, HOUR  19.250)
115.333   1542.8442   1182.93  .         .         .Q     V  .         .
 (PEAK DAY 1, HOUR  19.333)
115.417   1550.9667   1179.39  .         .         .Q     V  .         .
 (PEAK DAY 1, HOUR  19.417)
115.500   1559.0645   1175.79  .         .         .Q     V  .         .
 (PEAK DAY 1, HOUR  19.500)
115.583   1567.1368   1172.11  .         .         .Q     V  .         .
 (PEAK DAY 1, HOUR  19.583)
115.667   1575.1798   1167.85  .         .         .Q     V  .         .
 (PEAK DAY 1, HOUR  19.667)
115.750   1583.1931   1163.53  .         .         .Q      V .         .
 (PEAK DAY 1, HOUR  19.750)
115.833   1591.1810   1159.84  .         .         .Q      V .         .
 (PEAK DAY 1, HOUR  19.833)
115.917   1599.1455   1156.44  .         .         .Q      V .         .
 (PEAK DAY 1, HOUR  19.917)
116.000   1607.0870   1153.12  .         .         Q       V .         .
 (PEAK DAY 1, HOUR  20.000)
116.083   1615.0056   1149.78  .         .         Q       V .         .
 (PEAK DAY 1, HOUR  20.083)
116.167   1622.9006   1146.36  .         .         Q       V .         .
 (PEAK DAY 1, HOUR  20.167)
116.250   1630.7656   1141.99  .         .         Q       V .         .
 (PEAK DAY 1, HOUR  20.250)
116.333   1638.6069   1138.56  .         .         Q        V.         .
 (PEAK DAY 1, HOUR  20.333)
116.417   1646.4275   1135.54  .         .         Q        V.         .
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(PEAK DAY 1, HOUR 20.417)
116.500 1654.2278 1132.60 . . Q V. .
(PEAK DAY 1, HOUR 20.500)
116.583 1662.0079 1129.69 . . Q V. .
(PEAK DAY 1, HOUR 20.583)
116.667 1669.7683 1126.80 . . Q V. .
(PEAK DAY 1, HOUR 20.667)
116.750 1677.5092 1123.96 . . Q V. .
(PEAK DAY 1, HOUR 20.750)
116.833 1685.2306 1121.16 . . Q V. .
(PEAK DAY 1, HOUR 20.833)
116.917 1692.9329 1118.37 . . Q V .
(PEAK DAY 1, HOUR 20.917)
117.000 1700.6160 1115.59 . . Q V .
(PEAK DAY 1, HOUR 21.000)
117.083 1708.2802 1112.84 . . Q V .
(PEAK DAY 1, HOUR 21.083)
117.167 1715.9258 1110.14 . . Q V .
(PEAK DAY 1, HOUR 21.167)
117.250 1723.5535 1107.53 . . Q V .
(PEAK DAY 1, HOUR 21.250)
117.333 1731.1635 1104.97 . . Q V .
(PEAK DAY 1, HOUR 21.333)
117.417 1738.7560 1102.43 . . Q V .
(PEAK DAY 1, HOUR 21.417)
117.500 1746.3311 1099.90 . . Q. V .
(PEAK DAY 1, HOUR 21.500)
117.583 1753.8888 1097.38 . . Q. .V .
(PEAK DAY 1, HOUR 21.583)
117.667 1761.4293 1094.88 . . Q. .V .
(PEAK DAY 1, HOUR 21.667)
117.750 1768.9526 1092.39 . . Q. .V .
(PEAK DAY 1, HOUR 21.750)
117.833 1776.4589 1089.91 . . Q. .V .
(PEAK DAY 1, HOUR 21.833)
117.917 1783.9481 1087.43 . . Q. .V .
(PEAK DAY 1, HOUR 21.917)
118.000 1791.4204 1084.97 . . Q. .V .
(PEAK DAY 1, HOUR 22.000)
118.083 1798.8757 1082.52 . . Q. .V .
(PEAK DAY 1, HOUR 22.083)
118.167 1806.3137 1079.99 . . Q. . V .
(PEAK DAY 1, HOUR 22.167)
118.250 1813.7306 1076.93 . . Q. . V .
(PEAK DAY 1, HOUR 22.250)
118.333 1821.1206 1073.03 . . Q. . V .
(PEAK DAY 1, HOUR 22.333)
118.417 1828.4808 1068.71 . . Q. . V .
(PEAK DAY 1, HOUR 22.417)
118.500 1835.8109 1064.33 . . Q. . V .
(PEAK DAY 1, HOUR 22.500)
118.583 1843.1110 1059.96 . . Q. . V .
(PEAK DAY 1, HOUR 22.583)
118.667 1850.3810 1055.61 . . Q. . V .
(PEAK DAY 1, HOUR 22.667)
118.750 1857.6211 1051.27 . . Q. . V .
(PEAK DAY 1, HOUR 22.750)
118.833 1864.8314 1046.94 . . Q. . V .
(PEAK DAY 1, HOUR 22.833)
118.917 1872.0121 1042.64 . . Q . . V .
(PEAK DAY 1, HOUR 22.917)
119.000 1879.1632 1038.35 . . Q . . V .
(PEAK DAY 1, HOUR 23.000)
119.083 1886.2849 1034.07 . . Q . . V .
(PEAK DAY 1, HOUR 23.083)
119.167 1893.3773 1029.81 . . Q . . V .
(PEAK DAY 1, HOUR 23.167)
119.250 1900.4403 1025.54 . . Q . . V .
(PEAK DAY 1, HOUR 23.250)
119.333 1907.4735 1021.22 . . Q . . V .
(PEAK DAY 1, HOUR 23.333)
119.417 1914.4766 1016.85 . . Q . . V .
(PEAK DAY 1, HOUR 23.417)
119.500 1921.4495 1012.47 . . Q . . V .
(PEAK DAY 1, HOUR 23.500)
119.583 1928.3923 1008.10 . . Q . . V .
(PEAK DAY 1, HOUR 23.583)
119.667 1935.3052 1003.75 . . Q . . V .
(PEAK DAY 1, HOUR 23.667)
119.750 1942.1882 999.41 . . Q . . V .
(PEAK DAY 1, HOUR 23.750)
119.833 1949.0415 995.10 . . Q . . V .
(PEAK DAY 1, HOUR 23.833)
119.917 1955.8651 990.80 . . Q . . V .
(PEAK DAY 1, HOUR 23.917)
120.000 1962.6593 986.52 . . Q . . V .
(PEAK DAY 1, HOUR 24.000)
120.083 1969.4183 981.40 . . Q . . V .
(PEAK DAY 1, HOUR 24.083)
120.167 1976.1256 973.89 . . Q . . V .
(PEAK DAY 1, HOUR 24.167)
120.250 1982.7640 963.91 . . Q . . V .
(PEAK DAY 1, HOUR 24.250)
120.333 1989.3351 954.12 . . Q . . V .
(PEAK DAY 1, HOUR 24.333)
120.417 1995.8519 946.25 . . Q . . V .
(PEAK DAY 1, HOUR 24.417)
120.500 2002.3228 939.56 . . Q . . V .
(PEAK DAY 1, HOUR 24.500)
120.583 2008.7501 933.25 . . Q . . V .
(PEAK DAY 1, HOUR 24.583)
120.667 2015.1351 927.11 . . Q . . V .
(PEAK DAY 1, HOUR 24.667)
120.750 2021.4786 921.08 . . Q . . V .
(PEAK DAY 1, HOUR 24.750)
120.833 2027.7812 915.15 . . Q . . V .
(PEAK DAY 1, HOUR 24.833)
120.917 2034.0436 909.30 . . Q . . V .
(PEAK DAY 1, HOUR 24.917)
121.000 2040.2664 903.54 . . Q . . V .
(PEAK DAY 1, HOUR 25.000)
121.083 2046.4501 897.87 . . Q . . V .
(PEAK DAY 1, HOUR 25.083)
121.167 2052.5952 892.27 . . Q . . V .
(PEAK DAY 1, HOUR 25.167)
121.250 2058.7017 886.65 . . Q . . V .
(PEAK DAY 1, HOUR 25.250)
121.333 2064.7688 880.93 . . Q . . V .
(PEAK DAY 1, HOUR 25.333)
121.417 2070.7959 875.13 . . Q . . V .
(PEAK DAY 1, HOUR 25.417)
121.500 2076.7830 869.32 . . Q . . V .
(PEAK DAY 1, HOUR 25.500)
121.583 2082.7302 863.53 . . Q . . V .
(PEAK DAY 1, HOUR 25.583)
121.667 2088.6379 857.78 . . Q . . V .
(PEAK DAY 1, HOUR 25.667)
121.750 2094.5061 852.07 . . Q . . V .
(PEAK DAY 1, HOUR 25.750)
121.833 2100.3352 846.40 . . Q . . V .
(PEAK DAY 1, HOUR 25.833)
121.917 2106.1257 840.77 . . Q . . V .
(PEAK DAY 1, HOUR 25.917)
122.000 2111.8774 835.16 . . Q . . V .

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 (PEAK DAY 1, HOUR  26.000)
122.083   2117.5901    829.49  .         .    Q    .         .      V  .
 (PEAK DAY 1, HOUR  26.083)
122.167   2123.2612    823.44  .         .   Q     .         .      V  .
 (PEAK DAY 1, HOUR  26.167)
122.250   2128.8872    816.89  .         .   Q     .         .      V  .
 (PEAK DAY 1, HOUR  26.250)
122.333   2134.4668    810.14  .         .   Q     .         .      V  .
 (PEAK DAY 1, HOUR  26.333)
122.417   2140.0002    803.45  .         .   Q     .         .      V  .
 (PEAK DAY 1, HOUR  26.417)
122.500   2145.4880    796.81  .         .   Q     .         .       V .
 (PEAK DAY 1, HOUR  26.500)
122.583   2150.9304    790.23  .         .   Q     .         .       V .
 (PEAK DAY 1, HOUR  26.583)
122.667   2156.3279    783.70  .         .   Q     .         .       V .
 (PEAK DAY 1, HOUR  26.667)
122.750   2161.6809    777.25  .         .   Q     .         .       V .
 (PEAK DAY 1, HOUR  26.750)
122.833   2166.9888    770.70  .         .   Q     .         .       V .
 (PEAK DAY 1, HOUR  26.833)
122.917   2172.2439    763.04  .         .  Q      .         .       V .
 (PEAK DAY 1, HOUR  26.917)
123.000   2177.4316    753.25  .         .  Q      .         .       V .
 (PEAK DAY 1, HOUR  27.000)
123.083   2182.5415    741.97  .         .  Q      .         .       V .
 (PEAK DAY 1, HOUR  27.083)
123.167   2187.5713    730.33  .         .  Q      .         .       V .
 (PEAK DAY 1, HOUR  27.167)
123.250   2192.5215    718.78  .         .  Q      .         .       V .
 (PEAK DAY 1, HOUR  27.250)
123.333   2197.3928    707.33  .         . Q       .         .       V .
 (PEAK DAY 1, HOUR  27.333)
123.417   2202.1831    695.55  .         . Q       .         .        V.
 (PEAK DAY 1, HOUR  27.417)
123.500   2206.8882    683.17  .         . Q       .         .        V.
 (PEAK DAY 1, HOUR  27.500)
123.583   2211.5063    670.56  .         . Q       .         .        V.
 (PEAK DAY 1, HOUR  27.583)
123.667   2216.0388    658.11  .         .Q        .         .        V.
 (PEAK DAY 1, HOUR  27.667)
123.750   2220.4868    645.87  .         .Q        .         .        V.
 (PEAK DAY 1, HOUR  27.750)
123.833   2224.8496    633.49  .         .Q        .         .        V.
 (PEAK DAY 1, HOUR  27.833)
123.917   2229.1167    619.58  .         .Q        .         .        V.
 (PEAK DAY 1, HOUR  27.917)
124.000   2233.2727    603.46  .         Q         .         .        V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  FLOW PROCESS FROM NODE   6330.00 TO NODE   6355.00 IS CODE = 5.2
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  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5341.3 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     375.00
           DOWNSTREAM ELEVATION(FT) =     314.00
           CHANNEL LENGTH(FT) =    6086.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  2156.38
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  1260.66
           CHANNEL NORMAL VELOCITY FOR Q =  1260.66 CFS =   8.56 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.834

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.700


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	66.34	67.54	67.54
1	0.083	96.083	66.58	67.04	67.04
1	0.167	96.167	69.38	66.55	66.55
1	0.250	96.250	75.96	66.61	66.61
1	0.333	96.333	84.87	68.65	68.65
1	0.417	96.417	94.94	73.91	73.91
1	0.500	96.500	108.25	81.74	81.74
1	0.583	96.583	128.89	91.19	91.19
1	0.667	96.667	154.02	103.46	103.46
1	0.750	96.750	174.28	121.66	121.66
1	0.833	96.833	187.35	144.64	144.64
1	0.917	96.917	196.78	165.60	165.60
1	1.000	97.000	204.43	180.98	180.98
1	1.083	97.083	210.85	192.16	192.16
1	1.167	97.167	216.41	200.86	200.86
1	1.250	97.250	221.31	207.94	207.94
1	1.333	97.333	225.62	213.95	213.95
1	1.417	97.417	229.44	219.17	219.17
1	1.500	97.500	232.91	223.75	223.75
1	1.583	97.583	236.11	227.79	227.79
1	1.667	97.667	238.98	231.43	231.43
1	1.750	97.750	241.58	234.75	234.75
1	1.833	97.833	243.92	237.76	237.76
1	1.917	97.917	245.99	240.47	240.47
1	2.000	98.000	247.89	242.92	242.92
1	2.083	98.083	249.68	245.10	245.10
1	2.167	98.167	251.26	247.08	247.08
1	2.250	98.250	252.55	248.93	248.93
1	2.333	98.333	253.70	250.58	250.58
1	2.417	98.417	254.82	251.98	251.98
1	2.500	98.500	255.92	253.20	253.20
1	2.583	98.583	257.04	254.35	254.35
1	2.667	98.667	258.16	255.47	255.47
1	2.750	98.750	259.28	256.59	256.59
1	2.833	98.833	260.40	257.71	257.71
1	2.917	98.917	261.53	258.83	258.83
1	3.000	99.000	262.67	259.95	259.95
1	3.083	99.083	263.82	261.08	261.08
1	3.167	99.167	264.98	262.21	262.21
1	3.250	99.250	266.16	263.36	263.36

1	3.333	99.333	267.34	264.52	264.52
1	3.417	99.417	268.54	265.68	265.68
1	3.500	99.500	269.75	266.86	266.86
1	3.583	99.583	270.97	268.06	268.06
1	3.667	99.667	272.19	269.26	269.26
1	3.750	99.750	273.43	270.47	270.47
1	3.833	99.833	274.67	271.70	271.70
1	3.917	99.917	275.93	272.93	272.93
1	4.000	100.000	277.16	274.17	274.17
1	4.083	100.083	278.35	275.42	275.42
1	4.167	100.167	279.51	276.66	276.66
1	4.250	100.250	280.67	277.86	277.86
1	4.333	100.333	281.84	279.04	279.04
1	4.417	100.417	283.02	280.20	280.20
1	4.500	100.500	284.22	281.37	281.37
1	4.583	100.583	285.43	282.55	282.55
1	4.667	100.667	286.65	283.74	283.74
1	4.750	100.750	287.89	284.94	284.94
1	4.833	100.833	289.14	286.16	286.16
1	4.917	100.917	290.40	287.39	287.39
1	5.000	101.000	291.68	288.63	288.63
1	5.083	101.083	292.98	289.89	289.89
1	5.167	101.167	294.28	291.17	291.17
1	5.250	101.250	295.61	292.45	292.45
1	5.333	101.333	296.95	293.76	293.76
1	5.417	101.417	298.30	295.07	295.07
1	5.500	101.500	299.68	296.41	296.41
1	5.583	101.583	301.06	297.76	297.76
1	5.667	101.667	302.47	299.12	299.12
1	5.750	101.750	303.89	300.50	300.50
1	5.833	101.833	305.33	301.90	301.90
1	5.917	101.917	306.79	303.32	303.32
1	6.000	102.000	308.27	304.75	304.75
1	6.083	102.083	309.76	306.20	306.20
1	6.167	102.167	311.27	307.67	307.67
1	6.250	102.250	312.81	309.16	309.16
1	6.333	102.333	314.36	310.66	310.66
1	6.417	102.417	315.93	312.19	312.19
1	6.500	102.500	317.53	313.74	313.74
1	6.583	102.583	319.14	315.30	315.30
1	6.667	102.667	320.78	316.89	316.89
1	6.750	102.750	322.44	318.49	318.49
1	6.833	102.833	324.12	320.12	320.12
1	6.917	102.917	325.83	321.77	321.77
1	7.000	103.000	327.56	323.45	323.45
1	7.083	103.083	329.31	325.14	325.14
1	7.167	103.167	331.09	326.86	326.86
1	7.250	103.250	332.89	328.60	328.60
1	7.333	103.333	334.72	330.37	330.37
1	7.417	103.417	336.57	332.16	332.16
1	7.500	103.500	338.45	333.98	333.98
1	7.583	103.583	340.36	335.82	335.82
1	7.667	103.667	342.30	337.70	337.70
1	7.750	103.750	344.27	339.59	339.59
1	7.833	103.833	346.26	341.52	341.52
1	7.917	103.917	348.29	343.48	343.48
1	8.000	104.000	350.35	345.46	345.46
1	8.083	104.083	352.44	347.48	347.48
1	8.167	104.167	354.57	349.52	349.52
1	8.250	104.250	356.72	351.60	351.60
1	8.333	104.333	358.92	353.71	353.71
1	8.417	104.417	361.14	355.85	355.85
1	8.500	104.500	363.41	358.03	358.03
1	8.583	104.583	365.71	360.25	360.25
1	8.667	104.667	368.05	362.49	362.49
1	8.750	104.750	370.43	364.78	364.78
1	8.833	104.833	372.84	367.10	367.10
1	8.917	104.917	375.31	369.47	369.47
1	9.000	105.000	377.81	371.87	371.87
1	9.083	105.083	380.36	374.32	374.32
1	9.167	105.167	382.95	376.80	376.80
1	9.250	105.250	385.59	379.33	379.33
1	9.333	105.333	388.28	381.91	381.91
1	9.417	105.417	391.02	384.53	384.53
1	9.500	105.500	393.81	387.20	387.20
1	9.583	105.583	396.65	389.92	389.92
1	9.667	105.667	399.54	392.68	392.68
1	9.750	105.750	402.50	395.51	395.51
1	9.833	105.833	405.50	398.38	398.38
1	9.917	105.917	408.57	401.31	401.31
1	10.000	106.000	411.70	404.29	404.29
1	10.083	106.083	414.90	407.34	407.34
1	10.167	106.167	418.16	410.45	410.45
1	10.250	106.250	421.48	413.61	413.61
1	10.333	106.333	424.88	416.85	416.85
1	10.417	106.417	428.35	420.15	420.15
1	10.500	106.500	431.90	423.52	423.52
1	10.583	106.583	435.52	426.96	426.96
1	10.667	106.667	439.23	430.47	430.47
1	10.750	106.750	443.01	434.07	434.07
1	10.833	106.833	446.88	437.74	437.74
1	10.917	106.917	450.78	441.49	441.49
1	11.000	107.000	454.26	445.33	445.33
1	11.083	107.083	456.86	449.20	449.20
1	11.167	107.167	459.00	452.78	452.78
1	11.250	107.250	461.36	455.67	455.67
1	11.333	107.333	464.16	458.04	458.04
1	11.417	107.417	467.39	460.41	460.41
1	11.500	107.500	470.97	463.09	463.09
1	11.583	107.583	474.84	466.16	466.16
1	11.667	107.667	478.98	469.58	469.58
1	11.750	107.750	483.35	473.33	473.33
1	11.833	107.833	487.94	477.36	477.36
1	11.917	107.917	492.71	481.63	481.63
1	12.000	108.000	497.68	486.12	486.12
1	12.083	108.083	503.37	490.81	490.81
1	12.167	108.167	510.91	495.71	495.71
1	12.250	108.250	520.54	501.19	501.19
1	12.333	108.333	530.01	508.15	508.15
1	12.417	108.417	537.68	516.97	516.97
1	12.500	108.500	544.83	526.22	526.22
1	12.583	108.583	553.25	534.36	534.36
1	12.667	108.667	563.64	541.82	541.82
1	12.750	108.750	575.55	549.99	549.99
1	12.833	108.833	587.40	559.74	559.74
1	12.917	108.917	597.82	570.99	570.99
1	13.000	109.000	607.05	582.64	582.64
1	13.083	109.083	616.05	593.42	593.42
1	13.167	109.167	625.24	603.11	603.11
1	13.250	109.250	634.60	612.32	612.32
1	13.333	109.333	643.46	621.51	621.51
1	13.417	109.417	651.10	630.82	630.82
1	13.500	109.500	657.88	639.79	639.79
1	13.583	109.583	664.62	647.82	647.82
1	13.667	109.667	671.72	654.97	654.97
1	13.750	109.750	679.31	661.84	661.84
1	13.833	109.833	687.41	668.88	668.88
1	13.917	109.917	696.08	676.31	676.31
1	14.000	110.000	705.35	684.22	684.22
1	14.083	110.083	715.32	692.67	692.67
1	14.167	110.167	726.23	701.70	701.70
1	14.250	110.250	738.25	711.41	711.41
1	14.333	110.333	750.78	721.98	721.98
1	14.417	110.417	763.14	733.57	733.57

1	14.500	110.500	775.80	745.82	745.82
1	14.583	110.583	790.08	758.15	758.15
1	14.667	110.667	806.81	770.73	770.73
1	14.750	110.750	825.83	784.54	784.54
1	14.833	110.833	846.34	800.43	800.43
1	14.917	110.917	867.89	818.54	818.54
1	15.000	111.000	890.91	838.34	838.34
1	15.083	111.083	915.77	859.39	859.39
1	15.167	111.167	940.77	881.85	881.85
1	15.250	111.250	964.45	906.00	906.00
1	15.333	111.333	988.15	930.72	930.72
1	15.417	111.417	1012.06	954.71	954.71
1	15.500	111.500	1033.60	978.50	978.50
1	15.583	111.583	1053.09	1002.34	1002.34
1	15.667	111.667	1076.57	1024.54	1024.54
1	15.750	111.750	1109.85	1044.90	1044.90
1	15.833	111.833	1155.03	1067.60	1067.60
1	15.917	111.917	1217.85	1097.90	1097.90
1	16.000	112.000	1313.06	1138.89	1138.89
1	16.083	112.083	1523.02	1195.68	1195.68
1	16.167	112.167	1874.24	1281.17	1281.17
1	16.250	112.250	2156.38	1456.04	1456.04
1	16.333	112.333	2094.91	1753.33	1753.33
1	16.417	112.417	1828.08	2034.63	2034.63
1	16.500	112.500	1644.90	2072.68	2072.68
1	16.583	112.583	1567.47	1898.52	1898.52
1	16.667	112.667	1523.28	1719.70	1719.70
1	16.750	112.750	1483.27	1612.40	1612.40
1	16.833	112.833	1446.57	1549.36	1549.36
1	16.917	112.917	1415.91	1502.50	1502.50
1	17.000	113.000	1389.80	1462.85	1462.85
1	17.083	113.083	1368.36	1429.57	1429.57
1	17.167	113.167	1350.42	1401.38	1401.38
1	17.250	113.250	1337.54	1377.98	1377.98
1	17.333	113.333	1327.62	1358.48	1358.48
1	17.417	113.417	1321.59	1343.66	1343.66
1	17.500	113.500	1316.09	1332.34	1332.34
1	17.583	113.583	1311.10	1324.72	1324.72
1	17.667	113.667	1305.32	1318.60	1318.60
1	17.750	113.750	1300.17	1313.26	1313.26
1	17.833	113.833	1293.82	1307.61	1307.61
1	17.917	113.917	1287.99	1302.30	1302.30
1	18.000	114.000	1282.82	1296.27	1296.27
1	18.083	114.083	1274.93	1290.39	1290.39
1	18.167	114.167	1266.88	1284.97	1284.97
1	18.250	114.250	1258.16	1277.81	1277.81
1	18.333	114.333	1248.49	1270.02	1270.02
1	18.417	114.417	1237.85	1261.56	1261.56
1	18.500	114.500	1230.06	1252.25	1252.25
1	18.583	114.583	1224.31	1242.04	1242.04
1	18.667	114.667	1218.94	1233.56	1233.56
1	18.750	114.750	1211.89	1227.00	1227.00
1	18.833	114.833	1205.67	1221.24	1221.24
1	18.917	114.917	1201.42	1214.59	1214.59
1	19.000	115.000	1197.50	1208.28	1208.28
1	19.083	115.083	1193.73	1203.41	1203.41
1	19.167	115.167	1190.06	1199.21	1199.21
1	19.250	115.250	1186.47	1195.32	1195.32
1	19.333	115.333	1182.93	1191.58	1191.58
1	19.417	115.417	1179.39	1187.95	1187.95
1	19.500	115.500	1175.79	1184.37	1184.37
1	19.583	115.583	1172.11	1180.82	1180.82
1	19.667	115.667	1167.85	1177.24	1177.24
1	19.750	115.750	1163.53	1173.58	1173.58
1	19.833	115.833	1159.84	1169.50	1169.50
1	19.917	115.917	1156.44	1165.26	1165.26
1	20.000	116.000	1153.12	1161.41	1161.41
1	20.083	116.083	1149.78	1157.88	1157.88
1	20.167	116.167	1146.36	1154.49	1154.49
1	20.250	116.250	1141.99	1151.14	1151.14
1	20.333	116.333	1138.56	1147.72	1147.72
1	20.417	116.417	1135.54	1143.66	1143.66
1	20.500	116.500	1132.60	1140.04	1140.04
1	20.583	116.583	1129.69	1136.84	1136.84
1	20.667	116.667	1126.80	1133.82	1133.82
1	20.750	116.750	1123.96	1130.88	1130.88
1	20.833	116.833	1121.16	1127.98	1127.98
1	20.917	116.917	1118.37	1125.12	1125.12
1	21.000	117.000	1115.59	1122.30	1122.30
1	21.083	117.083	1112.84	1119.50	1119.50
1	21.167	117.167	1110.14	1116.72	1116.72
1	21.250	117.250	1107.53	1113.96	1113.96
1	21.333	117.333	1104.97	1111.25	1111.25
1	21.417	117.417	1102.43	1108.61	1108.61
1	21.500	117.500	1099.90	1106.02	1106.02
1	21.583	117.583	1097.38	1103.47	1103.47
1	21.667	117.667	1094.88	1100.93	1100.93
1	21.750	117.750	1092.39	1098.41	1098.41
1	21.833	117.833	1089.91	1095.89	1095.89
1	21.917	117.917	1087.43	1093.40	1093.40
1	22.000	118.000	1084.97	1090.91	1090.91
1	22.083	118.083	1082.52	1088.44	1088.44
1	22.167	118.167	1079.99	1085.97	1085.97
1	22.250	118.250	1076.93	1083.51	1083.51
1	22.333	118.333	1073.03	1081.00	1081.00
1	22.417	118.417	1068.71	1078.09	1078.09
1	22.500	118.500	1064.33	1074.48	1074.48
1	22.583	118.583	1059.96	1070.37	1070.37
1	22.667	118.667	1055.61	1066.08	1066.08
1	22.750	118.750	1051.27	1061.73	1061.73
1	22.833	118.833	1046.94	1057.37	1057.37
1	22.917	118.917	1042.64	1053.03	1053.03
1	23.000	119.000	1038.35	1048.70	1048.70
1	23.083	119.083	1034.07	1044.39	1044.39
1	23.167	119.167	1029.81	1040.09	1040.09
1	23.250	119.250	1025.54	1035.81	1035.81
1	23.333	119.333	1021.22	1031.54	1031.54
1	23.417	119.417	1016.85	1027.27	1027.27
1	23.500	119.500	1012.47	1022.97	1022.97
1	23.583	119.583	1008.10	1018.61	1018.61
1	23.667	119.667	1003.75	1014.24	1014.24
1	23.750	119.750	999.41	1009.87	1009.87
1	23.833	119.833	995.10	1005.51	1005.51
1	23.917	119.917	990.80	1001.17	1001.17
1	24.000	120.000	986.52	996.85	996.85
1	24.083	120.083	981.40	992.54	992.54
1	24.167	120.167	973.89	988.24	988.24
1	24.250	120.250	963.91	983.34	983.34
1	24.333	120.333	954.12	976.57	976.57
1	24.417	120.417	946.25	967.55	967.55
1	24.500	120.500	939.56	958.02	958.02
1	24.583	120.583	933.25	949.67	949.67
1	24.667	120.667	927.11	942.49	942.49
1	24.750	120.750	921.08	935.92	935.92
1	24.833	120.833	915.15	929.65	929.65
1	24.917	120.917	909.30	923.55	923.55
1	25.000	121.000	903.54	917.57	917.57
1	25.083	121.083	897.87	911.69	911.69
1	25.167	121.167	892.27	905.89	905.89
1	25.250	121.250	886.65	900.19	900.19
1	25.333	121.333	880.93	894.55	894.55
1	25.417	121.417	875.13	888.93	888.93
1	25.500	121.500	869.32	883.24	883.24
1	25.583	121.583	863.53	877.47	877.47

1	25.667	121.667	857.78	871.67	871.67
1	25.750	121.750	852.07	865.88	865.88
1	25.833	121.833	846.40	860.12	860.12
1	25.917	121.917	840.77	854.39	854.39
1	26.000	122.000	835.16	848.71	848.71
1	26.083	122.083	829.49	843.06	843.06
1	26.167	122.167	823.44	837.44	837.44
1	26.250	122.250	816.89	831.78	831.78
1	26.333	122.333	810.14	825.83	825.83
1	26.417	122.417	803.45	819.46	819.46
1	26.500	122.500	796.81	812.83	812.83
1	26.583	122.583	790.23	806.15	806.15
1	26.667	122.667	783.70	799.51	799.51
1	26.750	122.750	777.25	792.91	792.91
1	26.833	122.833	770.70	786.36	786.36
1	26.917	122.917	763.04	779.87	779.87
1	27.000	123.000	753.25	773.33	773.33
1	27.083	123.083	741.97	765.97	765.97
1	27.167	123.167	730.33	756.89	756.89
1	27.250	123.250	718.78	746.26	746.26
1	27.333	123.333	707.33	734.92	734.92
1	27.417	123.417	695.55	723.44	723.44
1	27.500	123.500	683.17	711.98	711.98
1	27.583	123.583	670.56	700.28	700.28
1	27.667	123.667	658.11	688.10	688.10
1	27.750	123.750	645.87	675.62	675.62
1	27.833	123.833	633.49	663.17	663.17
1	27.917	123.917	619.58	650.86	650.86
1	28.000	124.000	603.46	638.48	638.48

Note: Computed Hydrograph continues past two days after the peak day of the design storm.

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PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 2257.066 AF
OUTFLOW VOLUME = 2257.065 AF
LOSS VOLUME = 0.000 AF

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FLOW PROCESS FROM NODE 6340.00 TO NODE 6355.00 IS CODE = 1

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 697.9 Ac. ***

>>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

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(UNIT-HYDROGRAPH ADDED TO STREAM #2)

WATERSHED AREA = 697.900 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.340 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED):
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.900
FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
VALLEY(UNDEVELOPED)/DESERT:
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:

LOSS RATES	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
5-MINUTE (INCHES)	0.58	0.27	0.12	0.06	0.04
30-MINUTE (INCHES)	1.22	0.56	0.24	0.13	0.09
1-HOUR (INCHES)	1.62	0.75	0.33	0.17	0.12
3-HOUR (INCHES)	2.71	1.25	0.54	0.28	0.21
6-HOUR (INCHES)	3.75	1.73	0.75	0.39	0.29
24-HOUR (INCHES)	6.28	2.89	1.26	0.66	0.48
LOSS RATE(IN/HR)	0.210	0.210	0.210	0.210	0.210
LOW LOSS FRACTION	0.450	0.690	0.900	0.980	0.990

5-MINUTE FACTOR = 0.969
30-MINUTE FACTOR = 0.969
1-HOUR FACTOR = 0.969
3-HOUR FACTOR = 0.995
6-HOUR FACTOR = 0.998
24-HOUR FACTOR = 0.999

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 24.510

RUNOFF HYDROGRAPH LISTING LIMITS:
MODEL TIME(HOURS) FOR BEGINNING OF RESULTS = 96.00
MODEL TIME(HOURS) FOR END OF RESULTS = 124.00

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UNIT HYDROGRAPH DETERMINATION

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	1.545	130.419
2	7.337	488.804
3	20.261	1090.852
4	37.173	1427.448
5	57.561	1720.753
6	73.834	1373.504
7	84.155	871.070
8	90.157	506.624
9	93.846	311.340
10	95.934	176.209
11	96.823	75.053
12	97.453	53.201
13	98.047	50.140
14	98.563	43.554
15	98.877	26.445
16	99.042	13.975
17	99.137	8.025
18	99.206	5.797
19	99.261	4.649
20	99.315	4.546
21	99.365	4.228
22	99.414	4.161
23	99.461	3.902
24	99.505	3.743
25	99.548	3.674
26	99.587	3.272
27	99.625	3.204
28	99.663	3.169
29	99.695	2.719
30	99.726	2.582
31	99.756	2.583
32	99.787	2.570

33	99.813	2.195
34	99.830	1.492
35	99.848	1.489
36	99.866	1.488
37	99.883	1.487
38	99.899	1.328
39	99.905	0.518
40	99.910	0.406
41	99.915	0.406
42	99.919	0.404
43	99.924	0.406
44	99.929	0.406
45	99.934	0.405
46	99.939	0.408
47	99.944	0.405
48	99.948	0.408
49	99.953	0.404
50	99.958	0.405
51	99.963	0.405
52	99.968	0.405
53	99.972	0.405
54	99.977	0.404
55	99.982	0.405
56	99.987	0.405
57	99.992	0.405
58	99.996	0.405
59	100.000	0.311

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 349.4661

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 322.3159

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	400.0	800.0	1200.0	1600.0
96.000	87.4798	10.14	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	87.5521	10.50	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	87.6352	12.06	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	87.7427	15.61	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	87.8825	20.31	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	88.0616	26.00	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	88.2723	30.59	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	88.5034	33.55	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	88.7466	35.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	88.9977	36.46	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	89.2536	37.16	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	89.5120	37.53	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	89.7725	37.82	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	90.0351	38.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	90.2995	38.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	90.5654	38.61	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	90.8325	38.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	91.1007	38.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	91.3700	39.10	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	91.6403	39.25	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	91.9117	39.41	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	92.1842	39.56	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	92.4577	39.71	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	92.7323	39.87	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	93.0079	40.03	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	93.2847	40.18	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	93.5625	40.34	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	93.8414	40.50	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	94.1214	40.66	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	94.4026	40.82	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	94.6848	40.98	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	94.9682	41.14	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	95.2526	41.31	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	95.5383	41.47	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	95.8250	41.63	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	96.1129	41.80	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	96.4019	41.97	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	96.6921	42.14	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	96.9835	42.31	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	97.2760	42.48	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	97.5697	42.65	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	97.8646	42.82	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	98.1607	42.99	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	98.4580	43.17	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	98.7566	43.35	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	99.0563	43.53	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	99.3573	43.71	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	99.6596	43.89	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	99.9632	44.08	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	100.2680	44.26	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	100.5742	44.45	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	100.8816	44.65	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	101.1905	44.84	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	101.5006	45.04	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	101.8121	45.23	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	102.1251	45.43	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	102.4394	45.64	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	102.7551	45.84	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	103.0722	46.05	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	103.3908	46.26	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	103.7108	46.47	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	104.0324	46.68	.Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
101.167    104.3554     46.90  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.167)
101.250    104.6799     47.12  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.250)
101.333    105.0059     47.34  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.333)
101.417    105.3335     47.56  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.417)
101.500    105.6626     47.79  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.500)
101.583    105.9933     48.02  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.583)
101.667    106.3257     48.25  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.667)
101.750    106.6596     48.49  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.750)
101.833    106.9952     48.73  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.833)
101.917    107.3325     48.97  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.917)
102.000    107.6714     49.21  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.000)
102.083    108.0120     49.46  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.083)
102.167    108.3544     49.71  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.167)
102.250    108.6985     49.97  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.250)
102.333    109.0444     50.23  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.333)
102.417    109.3922     50.49  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.417)
102.500    109.7417     50.75  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.500)
102.583    110.0931     51.02  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.583)
102.667    110.4463     51.29  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.667)
102.750    110.8015     51.57  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.750)
102.833    111.1586     51.85  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.833)
102.917    111.5177     52.14  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.917)
103.000    111.8787     52.42  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.000)
103.083    112.2418     52.72  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.083)
103.167    112.6068     53.01  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.167)
103.250    112.9740     53.31  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.250)
103.333    113.3433     53.62  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.333)
103.417    113.7147     53.93  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.417)
103.500    114.0882     54.24  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.500)
103.583    114.4640     54.56  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.583)
103.667    114.8420     54.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.667)
103.750    115.2223     55.22  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.750)
103.833    115.6049     55.55  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.833)
103.917    115.9898     55.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.917)
104.000    116.3771     56.24  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.000)
104.083    116.7669     56.59  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.083)
104.167    117.1590     56.94  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.167)
104.250    117.5537     57.31  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.250)
104.333    117.9509     57.68  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.333)
104.417    118.3508     58.05  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.417)
104.500    118.7532     58.43  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.500)
104.583    119.1583     58.82  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.583)
104.667    119.5661     59.22  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.667)
104.750    119.9767     59.62  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.750)
104.833    120.3901     60.03  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.833)
104.917    120.8064     60.45  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.917)
105.000    121.2256     60.87  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.000)
105.083    121.6478     61.30  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.083)
105.167    122.0730     61.74  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.167)
105.250    122.5013     62.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.250)
105.333    122.9327     62.64  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.333)
105.417    123.3674     63.11  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500    123.8053     63.58  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    124.2466     64.07  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    124.6912     64.56  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    125.1393     65.07  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    125.5910     65.58  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    126.0462     66.11  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    126.5052     66.64  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    126.9679     67.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    127.4345     67.74  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    127.9050     68.32  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    128.3795     68.90  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    128.8582     69.50  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    129.3410     70.11  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    129.8282     70.74  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    130.3197     71.37  .Q        .     V   .         .         .
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(PEAK DAY 1, HOUR  10.667)
106.750    130.8158     72.03  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.750)
106.833    131.3165     72.70  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    131.8219     73.39  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    132.3321     74.09  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    132.8474     74.81  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167    133.3677     75.55  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250    133.8932     76.31  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333    134.4241     77.09  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417    134.9606     77.90  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500    135.5027     78.71  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583    136.0507     79.56  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667    136.6046     80.43  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750    137.1647     81.33  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833    137.7311     82.24  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917    138.3041     83.20  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000    138.8838     84.17  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083    139.4731     85.56  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167    140.0790     87.98  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250    140.7138     92.17  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333    141.3842     97.34  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417    142.0964    103.42  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500    142.8440    108.54  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583    143.6175    112.31  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667    144.4101    115.08  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750    145.2184    117.37  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833    146.0400    119.30  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917    146.8734    121.02  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000    147.7185    122.71  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083    148.5758    124.48  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167    149.4454    126.26  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250    150.3275    128.09  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333    151.2224    129.93  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417    152.1305    131.86  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500    153.0522    133.83  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583    153.9883    135.93  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.583)
109.667    154.9393    138.08  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.667)
109.750    155.9060    140.37  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.750)
109.833    156.8890    142.73  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.833)
109.917    157.8894    145.25  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.917)
110.000    158.9077    147.86  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  14.000)
110.083    159.9461    150.77  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  14.083)
110.167    161.0074    154.10  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  14.167)
110.250    162.0967    158.17  .  Q      .        V          .         .
(PEAK DAY 1, HOUR  14.250)
110.333    163.2173    162.70  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.333)
110.417    164.3738    167.94  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.417)
110.500    165.5685    173.47  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.500)
110.583    166.8051    179.55  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.583)
110.667    168.0883    186.32  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.667)
110.750    169.4257    194.19  .   Q     .        .V         .         .
(PEAK DAY 1, HOUR  14.750)
110.833    170.8223    202.78  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  14.833)
110.917    172.2852    212.42  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  14.917)
111.000    173.8201    222.86  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  15.000)
111.083    175.4357    234.58  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  15.083)
111.167    177.1388    247.30  .     Q   .        .V         .         .
(PEAK DAY 1, HOUR  15.167)
111.250    178.9411    261.69  .     Q   .        . V        .         .
(PEAK DAY 1, HOUR  15.250)
111.333    180.8522    277.50  .     Q   .        . V        .         .
(PEAK DAY 1, HOUR  15.333)
111.417    182.8791    294.30  .      Q  .        . V        .         .
(PEAK DAY 1, HOUR  15.417)
111.500    185.0097    309.37  .      Q  .        . V        .         .
(PEAK DAY 1, HOUR  15.500)
111.583    187.2243    321.55  .       Q .        .  V       .         .
(PEAK DAY 1, HOUR  15.583)
111.667    189.5230    333.78  .       Q .        .  V       .         .
(PEAK DAY 1, HOUR  15.667)
111.750    191.9303    349.53  .       Q .        .  V       .         .
(PEAK DAY 1, HOUR  15.750)
111.833    194.5298    377.44  .        Q.        .   V      .         .
(PEAK DAY 1, HOUR  15.833)
111.917    197.4737    427.47  .         Q        .   V      .         .
(PEAK DAY 1, HOUR  15.917)
112.000    200.9750    508.38  .         . Q      .   V      .         .
(PEAK DAY 1, HOUR  16.000)
112.083    205.6728    682.13  .         .     Q  .    V     .         .
(PEAK DAY 1, HOUR  16.083)
112.167    212.3362    967.53  .         .        .   Q V    .         .
(PEAK DAY 1, HOUR  16.167)
112.250    221.4721   1326.53  .         .        .      V . Q       .
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 (PEAK DAY 1, HOUR  16.250)
112.333    231.8962   1513.58  .         .         .       V .      Q  .
 (PEAK DAY 1, HOUR  16.333)
112.417    242.8206   1586.22  .         .         .         V        Q.
 (PEAK DAY 1, HOUR  16.417)
112.500    251.9846   1330.62  .         .         .         .V Q      .
 (PEAK DAY 1, HOUR  16.500)
112.583    258.8450    996.13  .         .         .   Q     . V       .
 (PEAK DAY 1, HOUR  16.583)
112.667    263.9171    736.46  .         .       Q .         . V       .
 (PEAK DAY 1, HOUR  16.667)
112.750    267.8633    572.98  .         .   Q     .         .  V      .
 (PEAK DAY 1, HOUR  16.750)
112.833    270.9846    453.22  .         .Q        .         .  V      .
 (PEAK DAY 1, HOUR  16.833)
112.917    273.4837    362.87  .        Q.         .         .  V      .
 (PEAK DAY 1, HOUR  16.917)
113.000    275.6631    316.44  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  17.000)
113.083    277.6262    285.04  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  17.083)
113.167    279.3894    256.02  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  17.167)
113.250    280.9456    225.96  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.250)
113.333    282.3374    202.09  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  17.333)
113.417    283.6112    184.96  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.417)
113.500    284.8014    172.81  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.500)
113.583    285.9275    163.52  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.583)
113.667    287.0038    156.28  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.667)
113.750    288.0374    150.07  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.750)
113.833    289.0344    144.76  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.833)
113.917    289.9984    139.98  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.917)
114.000    290.9330    135.70  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.000)
114.083    291.8382    131.44  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.083)
114.167    292.7084    126.36  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.167)
114.250    293.5348    119.99  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.250)
114.333    294.3125    112.92  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.333)
114.417    295.0361    105.07  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.417)
114.500    295.7149     98.56  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.500)
114.583    296.3602     93.70  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.583)
114.667    296.9800     89.99  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.667)
114.750    297.5778     86.80  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.750)
114.833    298.1563     84.01  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  18.833)
114.917    298.7205     81.92  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  18.917)
115.000    299.2716     80.01  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.000)
115.083    299.8099     78.17  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.083)
115.167    300.3355     76.31  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.167)
115.250    300.8476     74.35  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.250)
115.333    301.3492     72.83  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.333)
115.417    301.8414     71.47  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.417)
115.500    302.3248     70.19  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.500)
115.583    302.7998     68.97  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.583)
115.667    303.2668     67.81  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.667)
115.750    303.7261     66.70  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.750)
115.833    304.1781     65.64  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.833)
115.917    304.6231     64.62  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.917)
116.000    305.0614     63.64  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.000)
116.083    305.4932     62.70  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.083)
116.167    305.9187     61.79  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.167)
116.250    306.3383     60.92  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.250)
116.333    306.7520     60.08  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.333)
116.417    307.1602     59.26  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.417)
116.500    307.5629     58.48  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.500)
116.583    307.9604     57.71  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.583)
116.667    308.3527     56.97  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.667)
116.750    308.7400     56.24  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.750)
116.833    309.1223     55.51  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.833)
116.917    309.4995     54.76  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.917)
117.000    309.8710     53.95  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.000)
117.083    310.2382     53.31  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.083)
117.167    310.6010     52.69  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.167)
117.250    310.9598     52.10  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.250)
117.333    311.3147     51.52  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.333)
117.417    311.6657     50.97  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.417)
117.500    312.0130     50.43  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.500)
117.583    312.3567     49.90  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.583)
117.667    312.6969     49.39  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.667)
117.750    313.0336     48.90  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.750)
117.833    313.3671     48.41  .Q        .         .         .       V .
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(PEAK DAY 1, HOUR 21.833)
117.917 313.6973 47.94 .Q . . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 314.0243 47.49 .Q . . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 314.3483 47.04 .Q . . . V.
(PEAK DAY 1, HOUR 22.083)
118.167 314.6692 46.60 .Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 314.9872 46.18 .Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 315.3024 45.76 .Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 315.6148 45.36 .Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 315.9244 44.96 .Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 316.2314 44.57 .Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 316.5357 44.19 .Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 316.8376 43.82 .Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 317.1369 43.46 .Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 317.4337 43.10 .Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 317.7282 42.76 .Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 318.0204 42.42 .Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 318.3102 42.09 .Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 318.5978 41.76 .Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 318.8832 41.44 .Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 319.1664 41.13 .Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 319.4476 40.82 .Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 319.7266 40.52 .Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 320.0037 40.22 .Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 320.2787 39.94 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 320.5518 39.65 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 320.8229 39.37 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 321.0922 39.10 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 321.3556 38.25 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 321.6022 35.81 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 321.8137 30.70 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 321.9799 24.13 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 322.0921 16.30 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 322.1615 10.07 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 322.2036 6.12 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 322.2299 3.82 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 322.2465 2.40 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 322.2575 1.60 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 322.2662 1.26 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 322.2732 1.01 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 322.2785 0.78 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 322.2825 0.58 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 322.2857 0.46 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 322.2884 0.39 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 322.2908 0.35 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 322.2931 0.33 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 322.2951 0.30 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 322.2971 0.28 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 322.2988 0.26 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 322.3005 0.24 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 322.3020 0.22 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 322.3033 0.20 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 322.3046 0.18 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 322.3058 0.17 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 322.3068 0.15 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 322.3077 0.14 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 322.3086 0.12 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 322.3094 0.11 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 322.3100 0.10 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 322.3106 0.09 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 322.3111 0.08 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 322.3116 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 322.3120 0.06 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 322.3124 0.05 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 322.3127 0.05 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 322.3130 0.04 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 322.3133 0.04 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 322.3135 0.04 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 322.3138 0.03 Q . . . V.

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 (PEAK DAY 1, HOUR  27.417)
 123.500    322.3140      0.03  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583    322.3142      0.03  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667    322.3144      0.03  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750    322.3145      0.03  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833    322.3147      0.02  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917    322.3148      0.02  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.917)
 124.000    322.3150      0.02  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  28.000)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6039.2 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6039.2 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
         (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)    Q(CFS) 0.      925.0    1850.0    2775.0    3700.0
--------------------------------------------------------------------------------
  96.000    680.6626     77.68  Q          V          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    681.1967     77.54  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    681.7380     78.61  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    682.3043     82.23  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    682.9170     88.96  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    683.6051     99.91  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    684.3787    112.33  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    685.2378    124.74  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    686.1935    138.78  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    687.2825    158.12  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    688.5346    181.80  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    689.9336    203.13  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    691.4405    218.80  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    693.0264    230.28  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    694.6741    239.24  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    696.3721    246.55  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    698.1127    252.74  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    699.8904    258.12  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    701.7006    262.85  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    703.5397    267.04  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    705.4050    270.83  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    707.2941    274.31  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    709.2051    277.47  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    711.1358    280.34  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    713.0844    282.94  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    715.0491    285.28  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    717.0286    287.42  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    719.0219    289.43  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    721.0277    291.24  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    723.0443    292.80  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    725.0703    294.18  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    727.1054    295.49  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    729.1493    296.78  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    731.2020    298.06  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    733.2636    299.34  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    735.3341    300.63  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    737.4135    301.92  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    739.5017    303.21  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    741.5989    304.52  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    743.7053    305.83  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    745.8207    307.16  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    747.9454    308.50  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    750.0793    309.86  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    752.2228    311.23  .  Q       .V         .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    754.3757    312.61  .  Q       .V         .          .          .
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(PEAK DAY 1, HOUR   3.667)
 99.750    756.5383    314.00  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   3.750)
 99.833    758.7104    315.40  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   3.833)
 99.917    760.8924    316.82  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   3.917)
100.000    763.0842    318.25  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.000)
100.083    765.2859    319.69  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.083)
100.167    767.4974    321.11  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.167)
100.250    769.7185    322.51  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.250)
100.333    771.9490    323.87  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.333)
100.417    774.1890    325.24  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   4.417)
100.500    776.4383    326.60  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   4.500)
100.583    778.6971    327.98  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   4.583)
100.667    780.9656    329.37  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   4.667)
100.750    783.2437    330.78  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   4.750)
100.833    785.5316    332.21  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   4.833)
100.917    787.8295    333.65  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   4.917)
101.000    790.1373    335.10  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.000)
101.083    792.4553    336.58  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.083)
101.167    794.7836    338.06  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.167)
101.250    797.1223    339.57  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.250)
101.333    799.4714    341.10  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.333)
101.417    801.8311    342.64  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.417)
101.500    804.2016    344.20  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.500)
101.583    806.5830    345.78  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.583)
101.667    808.9754    347.38  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.667)
101.750    811.3790    348.99  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.750)
101.833    813.7938    350.63  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.833)
101.917    816.2200    352.29  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.917)
102.000    818.6578    353.97  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.000)
102.083    821.1072    355.67  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.083)
102.167    823.5685    357.38  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.167)
102.250    826.0419    359.13  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.250)
102.333    828.5273    360.89  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.333)
102.417    831.0251    362.68  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.417)
102.500    833.5354    364.49  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.500)
102.583    836.0583    366.32  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.583)
102.667    838.5939    368.18  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   6.667)
102.750    841.1426    370.06  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   6.750)
102.833    843.7043    371.97  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   6.833)
102.917    846.2795    373.91  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   6.917)
103.000    848.8681    375.87  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.000)
103.083    851.4704    377.86  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.083)
103.167    854.0866    379.87  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.167)
103.250    856.7169    381.92  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.250)
103.333    859.3615    383.99  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.333)
103.417    862.0205    386.09  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.417)
103.500    864.6942    388.22  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.500)
103.583    867.3828    390.39  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.583)
103.667    870.0865    392.58  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.667)
103.750    872.8057    394.81  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.750)
103.833    875.5403    397.07  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.833)
103.917    878.2908    399.37  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.917)
104.000    881.0573    401.70  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.000)
104.083    883.8401    404.06  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.083)
104.167    886.6395    406.47  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.167)
104.250    889.4556    408.91  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.250)
104.333    892.2889    411.39  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.333)
104.417    895.1395    413.91  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.417)
104.500    898.0077    416.47  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.500)
104.583    900.8939    419.07  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.583)
104.667    903.7982    421.71  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   8.667)
104.750    906.7211    424.40  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   8.750)
104.833    909.6627    427.13  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   8.833)
104.917    912.6235    429.91  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   8.917)
105.000    915.6038    432.74  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   9.000)
105.083    918.6039    435.62  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   9.083)
105.167    921.6242    438.54  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   9.167)
105.250    924.6650    441.52  .  Q      .   V    .        .        .
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(PEAK DAY 1, HOUR 9.250)
105.333 927.7266 444.55 . Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 930.8096 447.64 . Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 933.9141 450.78 . Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 937.0408 453.99 . Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 940.1898 457.25 . Q . V . . .
(PEAK DAY 1, HOUR 9.667)
105.750 943.3618 460.57 . Q . V . . .
(PEAK DAY 1, HOUR 9.750)
105.833 946.5571 463.96 . Q . V . . .
(PEAK DAY 1, HOUR 9.833)
105.917 949.7762 467.42 . Q . V . . .
(PEAK DAY 1, HOUR 9.917)
106.000 953.0196 470.93 . Q . V . . .
(PEAK DAY 1, HOUR 10.000)
106.083 956.2877 474.53 . Q . V . . .
(PEAK DAY 1, HOUR 10.083)
106.167 959.5811 478.19 . Q . V . . .
(PEAK DAY 1, HOUR 10.167)
106.250 962.9001 481.93 . Q . V . . .
(PEAK DAY 1, HOUR 10.250)
106.333 966.2455 485.75 . Q . V . . .
(PEAK DAY 1, HOUR 10.333)
106.417 969.6177 489.65 . Q . V . . .
(PEAK DAY 1, HOUR 10.417)
106.500 973.0173 493.62 . Q . V . . .
(PEAK DAY 1, HOUR 10.500)
106.583 976.4450 497.70 . Q . V . . .
(PEAK DAY 1, HOUR 10.583)
106.667 979.9012 501.85 . Q . V . . .
(PEAK DAY 1, HOUR 10.667)
106.750 983.3868 506.10 . Q . V . . .
(PEAK DAY 1, HOUR 10.750)
106.833 986.9022 510.43 . Q . V . . .
(PEAK DAY 1, HOUR 10.833)
106.917 990.4482 514.88 . Q . V . . .
(PEAK DAY 1, HOUR 10.917)
107.000 994.0255 519.42 . Q . V . . .
(PEAK DAY 1, HOUR 11.000)
107.083 997.6344 524.02 . Q . V . . .
(PEAK DAY 1, HOUR 11.083)
107.167 1001.2730 528.33 . Q . V . . .
(PEAK DAY 1, HOUR 11.167)
107.250 1004.9368 531.99 . Q . V . . .
(PEAK DAY 1, HOUR 11.250)
107.333 1008.6223 535.13 . Q . V . . .
(PEAK DAY 1, HOUR 11.333)
107.417 1012.3296 538.30 . Q . V . . .
(PEAK DAY 1, HOUR 11.417)
107.500 1016.0610 541.80 . Q . V . . .
(PEAK DAY 1, HOUR 11.500)
107.583 1019.8194 545.72 . Q . V . . .
(PEAK DAY 1, HOUR 11.583)
107.667 1023.6074 550.01 . Q . V . . .
(PEAK DAY 1, HOUR 11.667)
107.750 1027.4274 554.66 . Q . V . . .
(PEAK DAY 1, HOUR 11.750)
107.833 1031.2814 559.60 . Q . V . . .
(PEAK DAY 1, HOUR 11.833)
107.917 1035.1714 564.83 . Q . V . . .
(PEAK DAY 1, HOUR 11.917)
108.000 1039.0990 570.29 . Q . V . . .
(PEAK DAY 1, HOUR 12.000)
108.083 1043.0685 576.37 . Q . V . . .
(PEAK DAY 1, HOUR 12.083)
108.167 1047.0884 583.69 . Q . V . . .
(PEAK DAY 1, HOUR 12.167)
108.250 1051.1749 593.36 . Q . V . . .
(PEAK DAY 1, HOUR 12.250)
108.333 1055.3450 605.49 . Q . V . . .
(PEAK DAY 1, HOUR 12.333)
108.417 1059.6177 620.39 . Q . V . . .
(PEAK DAY 1, HOUR 12.417)
108.500 1063.9894 634.77 . Q . V . . .
(PEAK DAY 1, HOUR 12.500)
108.583 1068.4431 646.67 . Q . V . . .
(PEAK DAY 1, HOUR 12.583)
108.667 1072.9673 656.90 . Q . V . . .
(PEAK DAY 1, HOUR 12.667)
108.750 1077.5634 667.35 . Q . V . . .
(PEAK DAY 1, HOUR 12.750)
108.833 1082.2399 679.03 . Q . V . . .
(PEAK DAY 1, HOUR 12.833)
108.917 1087.0057 692.01 . Q . V . . .
(PEAK DAY 1, HOUR 12.917)
109.000 1091.8635 705.35 . Q . V . . .
(PEAK DAY 1, HOUR 13.000)
109.083 1096.8077 717.89 . Q . V . . .
(PEAK DAY 1, HOUR 13.083)
109.167 1101.8309 729.37 . Q . V . . .
(PEAK DAY 1, HOUR 13.167)
109.250 1106.9302 740.41 . Q . V . . .
(PEAK DAY 1, HOUR 13.250)
109.333 1112.1055 751.45 . Q . V . . .
(PEAK DAY 1, HOUR 13.333)
109.417 1117.3580 762.68 . Q . V . . .
(PEAK DAY 1, HOUR 13.417)
109.500 1122.6860 773.62 . Q . V . . .
(PEAK DAY 1, HOUR 13.500)
109.583 1128.0837 783.74 . Q . V . . .
(PEAK DAY 1, HOUR 13.583)
109.667 1133.5455 793.05 . Q . V . . .
(PEAK DAY 1, HOUR 13.667)
109.750 1139.0703 802.21 . Q . V . . .
(PEAK DAY 1, HOUR 13.750)
109.833 1144.6599 811.61 . Q . V . . .
(PEAK DAY 1, HOUR 13.833)
109.917 1150.3181 821.56 . Q . V . . .
(PEAK DAY 1, HOUR 13.917)
110.000 1156.0487 832.08 . Q . V . . .
(PEAK DAY 1, HOUR 14.000)
110.083 1161.8575 843.45 . Q. V . . .
(PEAK DAY 1, HOUR 14.083)
110.167 1167.7515 855.80 . Q. V . . .
(PEAK DAY 1, HOUR 14.167)
110.250 1173.7404 869.58 . Q. V . . .
(PEAK DAY 1, HOUR 14.250)
110.333 1179.8331 884.68 . Q. V . . .
(PEAK DAY 1, HOUR 14.333)
110.417 1186.0419 901.50 . Q. V . . .
(PEAK DAY 1, HOUR 14.417)
110.500 1192.3730 919.28 . Q. V . . .
(PEAK DAY 1, HOUR 14.500)
110.583 1198.8311 937.70 . Q V . . .
(PEAK DAY 1, HOUR 14.583)
110.667 1205.4224 957.05 . Q V . . .
(PEAK DAY 1, HOUR 14.667)
110.750 1212.1630 978.73 . Q V . . .
(PEAK DAY 1, HOUR 14.750)
110.833 1219.0721 1003.21 . Q V . . .

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 (PEAK DAY 1, HOUR  14.833)
110.917   1226.1725   1030.96  .         .Q       V.         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1233.4811   1061.20  .         .Q       V.         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1241.0154   1093.98  .         .Q       V.         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1248.7919   1129.15  .         . Q      V.         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1256.8337   1167.69  .         . Q      V.         .         .
 (PEAK DAY 1, HOUR  15.250)
111.333   1265.1548   1208.22  .         .  Q     V.         .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1273.7568   1249.01  .         .  Q     V.         .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1282.6265   1287.87  .         .  Q     V.         .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1291.7441   1323.89  .         .   Q     V         .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1301.0989   1358.32  .         .   Q     V         .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1310.7024   1394.43  .         .    Q    V         .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1320.6544   1445.04  .         .    Q    V         .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1331.1597   1525.36  .         .     Q   V         .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1342.5045   1647.27  .         .      Q  V         .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1355.4371   1877.81  .         .         QV        .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1370.9240   2248.69  .         .         .V  Q     .         .
 (PEAK DAY 1, HOUR  16.167)
112.250   1390.0876   2782.57  .         .         .V        Q         .
 (PEAK DAY 1, HOUR  16.250)
112.333   1412.5870   3266.90  .         .         .V        .    Q    .
 (PEAK DAY 1, HOUR  16.333)
112.417   1437.5240   3620.86  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  16.417)
112.500   1460.9628   3403.29  .         .         . V       .     Q   .
 (PEAK DAY 1, HOUR  16.500)
112.583   1480.8983   2894.65  .         .         . V       .Q        .
 (PEAK DAY 1, HOUR  16.583)
112.667   1497.8140   2456.16  .         .         .  V  Q   .         .
 (PEAK DAY 1, HOUR  16.667)
112.750   1512.8647   2185.38  .         .         .  Q      .         .
 (PEAK DAY 1, HOUR  16.750)
112.833   1526.6566   2002.58  .         .         .Q V      .         .
 (PEAK DAY 1, HOUR  16.833)
112.917   1539.5035   1865.38  .         .         Q  V      .         .
 (PEAK DAY 1, HOUR  16.917)
113.000   1551.7577   1779.30  .         .        Q.   V     .         .
 (PEAK DAY 1, HOUR  17.000)
113.083   1563.5663   1714.60  .         .       Q .   V     .         .
 (PEAK DAY 1, HOUR  17.083)
113.167   1574.9810   1657.40  .         .      Q  .   V     .         .
 (PEAK DAY 1, HOUR  17.167)
113.250   1586.0273   1603.94  .         .      Q  .   V     .         .
 (PEAK DAY 1, HOUR  17.250)
113.333   1596.7751   1560.57  .         .     Q   .   V     .         .
 (PEAK DAY 1, HOUR  17.333)
113.417   1607.3029   1528.62  .         .     Q   .   V     .         .
 (PEAK DAY 1, HOUR  17.417)
113.500   1617.6688   1505.14  .         .     Q   .    V    .         .
 (PEAK DAY 1, HOUR  17.500)
113.583   1627.9185   1488.24  .         .     Q   .    V    .         .
 (PEAK DAY 1, HOUR  17.583)
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113.667   1638.0760   1474.88  .         .    Q    .    V    .         .
 (PEAK DAY 1, HOUR  17.667)
113.750   1648.1541   1463.33  .         .    Q    .    V    .         .
 (PEAK DAY 1, HOUR  17.750)
113.833   1658.1566   1452.38  .         .    Q    .    V    .         .
 (PEAK DAY 1, HOUR  17.833)
113.917   1668.0897   1442.29  .         .    Q    .    V    .         .
 (PEAK DAY 1, HOUR  17.917)
114.000   1677.9518   1431.97  .         .    Q    .     V   .         .
 (PEAK DAY 1, HOUR  18.000)
114.083   1687.7440   1421.83  .         .    Q    .     V   .         .
 (PEAK DAY 1, HOUR  18.083)
114.167   1697.4639   1411.33  .         .    Q    .     V   .         .
 (PEAK DAY 1, HOUR  18.167)
114.250   1707.0906   1397.81  .         .    Q    .     V   .         .
 (PEAK DAY 1, HOUR  18.250)
114.333   1716.6150   1382.94  .         .   Q     .     V   .         .
 (PEAK DAY 1, HOUR  18.333)
114.417   1726.0271   1366.64  .         .   Q     .     V   .         .
 (PEAK DAY 1, HOUR  18.417)
114.500   1735.3301   1350.80  .         .   Q     .     V   .         .
 (PEAK DAY 1, HOUR  18.500)
114.583   1744.5294   1335.74  .         .   Q     .      V  .         .
 (PEAK DAY 1, HOUR  18.583)
114.667   1753.6448   1323.55  .         .   Q     .      V  .         .
 (PEAK DAY 1, HOUR  18.667)
114.750   1762.6930   1313.80  .         .   Q     .      V  .         .
 (PEAK DAY 1, HOUR  18.750)
114.833   1771.6824   1305.25  .         .   Q     .      V  .         .
 (PEAK DAY 1, HOUR  18.833)
114.917   1780.6116   1296.52  .         .   Q     .      V  .         .
 (PEAK DAY 1, HOUR  18.917)
115.000   1789.4841   1288.29  .         .  Q      .      V  .         .
 (PEAK DAY 1, HOUR  19.000)
115.083   1798.3104   1281.58  .         .  Q      .      V  .         .
 (PEAK DAY 1, HOUR  19.083)
115.167   1807.0950   1275.52  .         .  Q      .       V .         .
 (PEAK DAY 1, HOUR  19.167)
115.250   1815.8392   1269.67  .         .  Q      .       V .         .
 (PEAK DAY 1, HOUR  19.250)
115.333   1824.5472   1264.41  .         .  Q      .       V .         .
 (PEAK DAY 1, HOUR  19.333)
115.417   1833.2209   1259.42  .         .  Q      .       V .         .
 (PEAK DAY 1, HOUR  19.417)
115.500   1841.8612   1254.56  .         .  Q      .       V .         .
 (PEAK DAY 1, HOUR  19.500)
115.583   1850.4686   1249.79  .         .  Q      .       V .         .
 (PEAK DAY 1, HOUR  19.583)
115.667   1859.0433   1245.05  .         .  Q      .       V .         .
 (PEAK DAY 1, HOUR  19.667)
115.750   1867.5852   1240.28  .         .  Q      .       V .         .
 (PEAK DAY 1, HOUR  19.750)
115.833   1876.0917   1235.13  .         .  Q      .        V.         .
 (PEAK DAY 1, HOUR  19.833)
115.917   1884.5619   1229.88  .         .  Q      .        V.         .
 (PEAK DAY 1, HOUR  19.917)
116.000   1892.9989   1225.05  .         .  Q      .        V.         .
 (PEAK DAY 1, HOUR  20.000)
116.083   1901.4050   1220.58  .         .  Q      .        V.         .
 (PEAK DAY 1, HOUR  20.083)
116.167   1909.7816   1216.28  .         .  Q      .        V.         .
 (PEAK DAY 1, HOUR  20.167)
116.250   1918.1292   1212.06  .         .  Q      .        V.         .
 (PEAK DAY 1, HOUR  20.250)
116.333   1926.4474   1207.80  .         .  Q      .        V.         .
 (PEAK DAY 1, HOUR  20.333)
116.417   1934.7319   1202.92  .         .  Q      .         V         .
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 (PEAK DAY 1, HOUR  20.417)
116.500   1942.9862   1198.52  .        . Q       .        V        .
 (PEAK DAY 1, HOUR  20.500)
116.583   1951.2131   1194.55  .        . Q       .        V        .
 (PEAK DAY 1, HOUR  20.583)
116.667   1959.4142   1190.79  .        . Q       .        V        .
 (PEAK DAY 1, HOUR  20.667)
116.750   1967.5900   1187.12  .        . Q       .        V        .
 (PEAK DAY 1, HOUR  20.750)
116.833   1975.7407   1183.49  .        . Q       .        V        .
 (PEAK DAY 1, HOUR  20.833)
116.917   1983.8666   1179.88  .        . Q       .        V        .
 (PEAK DAY 1, HOUR  20.917)
117.000   1991.9675   1176.25  .        . Q       .        V        .
 (PEAK DAY 1, HOUR  21.000)
117.083   2000.0447   1172.81  .        . Q       .        .V       .
 (PEAK DAY 1, HOUR  21.083)
117.167   2008.0985   1169.41  .        . Q       .        .V       .
 (PEAK DAY 1, HOUR  21.167)
117.250   2016.1293   1166.06  .        . Q       .        .V       .
 (PEAK DAY 1, HOUR  21.250)
117.333   2024.1373   1162.77  .        . Q       .        .V       .
 (PEAK DAY 1, HOUR  21.333)
117.417   2032.1234   1159.57  .        . Q       .        .V       .
 (PEAK DAY 1, HOUR  21.417)
117.500   2040.0879   1156.45  .        . Q       .        .V       .
 (PEAK DAY 1, HOUR  21.500)
117.583   2048.0312   1153.37  .        . Q       .        .V       .
 (PEAK DAY 1, HOUR  21.583)
117.667   2055.9536   1150.32  .        . Q       .        .V       .
 (PEAK DAY 1, HOUR  21.667)
117.750   2063.8552   1147.30  .        . Q       .        . V      .
 (PEAK DAY 1, HOUR  21.750)
117.833   2071.7361   1144.31  .        . Q       .        . V      .
 (PEAK DAY 1, HOUR  21.833)
117.917   2079.5967   1141.34  .        . Q       .        . V      .
 (PEAK DAY 1, HOUR  21.917)
118.000   2087.4370   1138.40  .        . Q       .        . V      .
 (PEAK DAY 1, HOUR  22.000)
118.083   2095.2571   1135.48  .        . Q       .        . V      .
 (PEAK DAY 1, HOUR  22.083)
118.167   2103.0571   1132.58  .        . Q       .        . V      .
 (PEAK DAY 1, HOUR  22.167)
118.250   2110.8374   1129.69  .        . Q       .        . V      .
 (PEAK DAY 1, HOUR  22.250)
118.333   2118.5974   1126.76  .        . Q       .        . V      .
 (PEAK DAY 1, HOUR  22.333)
118.417   2126.3347   1123.45  .        . Q       .        . V      .
 (PEAK DAY 1, HOUR  22.417)
118.500   2134.0444   1119.44  .        . Q       .        .  V     .
 (PEAK DAY 1, HOUR  22.500)
118.583   2141.7231   1114.95  .        . Q       .        .  V     .
 (PEAK DAY 1, HOUR  22.583)
118.667   2149.3696   1110.27  .        . Q       .        .  V     .
 (PEAK DAY 1, HOUR  22.667)
118.750   2156.9836   1105.55  .        .Q        .        .  V     .
 (PEAK DAY 1, HOUR  22.750)
118.833   2164.5652   1100.83  .        .Q        .        .  V     .
 (PEAK DAY 1, HOUR  22.833)
118.917   2172.1143   1096.13  .        .Q        .        .  V     .
 (PEAK DAY 1, HOUR  22.917)
119.000   2179.6311   1091.46  .        .Q        .        .  V     .
 (PEAK DAY 1, HOUR  23.000)
119.083   2187.1160   1086.80  .        .Q        .        .  V     .
 (PEAK DAY 1, HOUR  23.083)
119.167   2194.5688   1082.17  .        .Q        .        .   V    .
 (PEAK DAY 1, HOUR  23.167)
119.250   2201.9902   1077.57  .        .Q        .        .   V    .
 (PEAK DAY 1, HOUR  23.250)
119.333   2209.3799   1072.98  .        .Q        .        .   V    .
 (PEAK DAY 1, HOUR  23.333)
119.417   2216.7380   1068.40  .        .Q        .        .   V    .
 (PEAK DAY 1, HOUR  23.417)
119.500   2224.0645   1063.79  .        .Q        .        .   V    .
 (PEAK DAY 1, HOUR  23.500)
119.583   2231.3589   1059.13  .        .Q        .        .   V    .
 (PEAK DAY 1, HOUR  23.583)
119.667   2238.6211   1054.47  .        .Q        .        .   V    .
 (PEAK DAY 1, HOUR  23.667)
119.750   2245.8511   1049.81  .        .Q        .        .   V    .
 (PEAK DAY 1, HOUR  23.750)
119.833   2253.0491   1045.17  .        .Q        .        .   V    .
 (PEAK DAY 1, HOUR  23.833)
119.917   2260.2153   1040.55  .        .Q        .        .    V   .
 (PEAK DAY 1, HOUR  23.917)
120.000   2267.3499   1035.95  .        .Q        .        .    V   .
 (PEAK DAY 1, HOUR  24.000)
120.083   2274.4490   1030.79  .        .Q        .        .    V   .
 (PEAK DAY 1, HOUR  24.083)
120.167   2281.5017   1024.05  .        .Q        .        .    V   .
 (PEAK DAY 1, HOUR  24.167)
120.250   2288.4854   1014.04  .        Q         .        .    V   .
 (PEAK DAY 1, HOUR  24.250)
120.333   2295.3772   1000.70  .        Q         .        .    V   .
 (PEAK DAY 1, HOUR  24.333)
120.417   2302.1531    983.85  .        Q         .        .    V   .
 (PEAK DAY 1, HOUR  24.417)
120.500   2308.8203    968.09  .        Q         .        .    V   .
 (PEAK DAY 1, HOUR  24.500)
120.583   2315.4028    955.79  .        Q         .        .    V   .
 (PEAK DAY 1, HOUR  24.583)
120.667   2321.9202    946.31  .        Q         .        .     V  .
 (PEAK DAY 1, HOUR  24.667)
120.750   2328.3826    938.33  .        Q         .        .     V  .
 (PEAK DAY 1, HOUR  24.750)
120.833   2334.7961    931.26  .        Q         .        .     V  .
 (PEAK DAY 1, HOUR  24.833)
120.917   2341.1653    924.81  .       Q.         .        .     V  .
 (PEAK DAY 1, HOUR  24.917)
121.000   2347.4917    918.59  .       Q.         .        .     V  .
 (PEAK DAY 1, HOUR  25.000)
121.083   2353.7759    912.47  .       Q.         .        .     V  .
 (PEAK DAY 1, HOUR  25.083)
121.167   2360.0188    906.47  .       Q.         .        .     V  .
 (PEAK DAY 1, HOUR  25.167)
121.250   2366.2217    900.64  .       Q.         .        .     V  .
 (PEAK DAY 1, HOUR  25.250)
121.333   2372.3853    894.95  .       Q.         .        .     V  .
 (PEAK DAY 1, HOUR  25.333)
121.417   2378.5098    889.28  .       Q.         .        .     V  .
 (PEAK DAY 1, HOUR  25.417)
121.500   2384.5950    883.56  .       Q.         .        .     V  .
 (PEAK DAY 1, HOUR  25.500)
121.583   2390.6401    877.77  .       Q.         .        .      V .
 (PEAK DAY 1, HOUR  25.583)
121.667   2396.6453    871.95  .       Q.         .        .      V .
 (PEAK DAY 1, HOUR  25.667)
121.750   2402.6104    866.14  .       Q.         .        .      V .
 (PEAK DAY 1, HOUR  25.750)
121.833   2408.5356    860.36  .       Q.         .        .      V .
 (PEAK DAY 1, HOUR  25.833)
121.917   2414.4214    854.61  .       Q.         .        .      V .
 (PEAK DAY 1, HOUR  25.917)
122.000   2420.2678    848.91  .       Q.         .        .      V .
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 (PEAK DAY 1, HOUR  26.000)
 122.083   2426.0752    843.24  .        Q.         .         .      V  .
 (PEAK DAY 1, HOUR  26.083)
 122.167   2431.8438    837.61  .        Q.         .         .      V  .
 (PEAK DAY 1, HOUR  26.167)
 122.250   2437.5732    831.93  .       Q .         .         .      V  .
 (PEAK DAY 1, HOUR  26.250)
 122.333   2443.2617    825.97  .       Q .         .         .      V  .
 (PEAK DAY 1, HOUR  26.333)
 122.417   2448.9062    819.59  .       Q .         .         .      V  .
 (PEAK DAY 1, HOUR  26.417)
 122.500   2454.5051    812.94  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  26.500)
 122.583   2460.0579    806.25  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  26.583)
 122.667   2465.5647    799.59  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  26.667)
 122.750   2471.0261    792.98  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  26.750)
 122.833   2476.4424    786.43  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  26.833)
 122.917   2481.8137    779.94  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  26.917)
 123.000   2487.1401    773.39  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  27.000)
 123.083   2492.4158    766.02  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  27.083)
 123.167   2497.6287    756.93  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  27.167)
 123.250   2502.7686    746.30  .       Q .         .         .       V .
 (PEAK DAY 1, HOUR  27.250)
 123.333   2507.8303    734.96  .      Q  .         .         .       V .
 (PEAK DAY 1, HOUR  27.333)
 123.417   2512.8130    723.47  .      Q  .         .         .       V .
 (PEAK DAY 1, HOUR  27.417)
 123.500   2517.7166    712.01  .      Q  .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583   2522.5396    700.31  .      Q  .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667   2527.2788    688.13  .      Q  .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750   2531.9321    675.65  .      Q  .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833   2536.4995    663.19  .      Q  .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917   2540.9822    650.88  .      Q  .         .         .        V.
 (PEAK DAY 1, HOUR  27.917)
 124.000   2545.3796    638.50  .     Q   .         .         .        V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6371.00 IS CODE = 5.2
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  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6039.2 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     314.00
           DOWNSTREAM ELEVATION(FT) =     220.00
           CHANNEL LENGTH(FT) =    5919.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  3620.86
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  2600.39
           CHANNEL NORMAL VELOCITY FOR Q =  2600.39 CFS =  12.66 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.882

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.826


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	77.68	78.62	78.62
1	0.083	96.083	77.54	78.03	78.03
1	0.167	96.167	78.61	77.67	77.67
1	0.250	96.250	82.23	78.12	78.12
1	0.333	96.333	88.96	80.39	80.39
1	0.417	96.417	99.91	85.39	85.39
1	0.500	96.500	112.33	94.00	94.00
1	0.583	96.583	124.74	105.30	105.30
1	0.667	96.667	138.78	117.52	117.52
1	0.750	96.750	158.12	130.74	130.74
1	0.833	96.833	181.80	147.38	147.38
1	0.917	96.917	203.13	168.49	168.49
1	1.000	97.000	218.80	190.51	190.51
1	1.083	97.083	230.28	209.04	209.04
1	1.167	97.167	239.24	223.04	223.04
1	1.250	97.250	246.55	233.65	233.65
1	1.333	97.333	252.74	242.05	242.05
1	1.417	97.417	258.12	248.96	248.96
1	1.500	97.500	262.85	254.86	254.86
1	1.583	97.583	267.04	260.00	260.00
1	1.667	97.667	270.83	264.52	264.52
1	1.750	97.750	274.31	268.56	268.56
1	1.833	97.833	277.47	272.23	272.23
1	1.917	97.917	280.34	275.58	275.58
1	2.000	98.000	282.94	278.63	278.63
1	2.083	98.083	285.28	281.39	281.39
1	2.167	98.167	287.42	283.88	283.88
1	2.250	98.250	289.43	286.14	286.14
1	2.333	98.333	291.24	288.23	288.23
1	2.417	98.417	292.80	290.16	290.16
1	2.500	98.500	294.18	291.86	291.86
1	2.583	98.583	295.49	293.35	293.35
1	2.667	98.667	296.78	294.72	294.72
1	2.750	98.750	298.06	296.02	296.02
1	2.833	98.833	299.34	297.31	297.31
1	2.917	98.917	300.63	298.59	298.59
1	3.000	99.000	301.92	299.88	299.88
1	3.083	99.083	303.21	301.17	301.17
1	3.167	99.167	304.52	302.46	302.46
1	3.250	99.250	305.83	303.76	303.76

1	3.333	99.333	307.16	305.07	305.07
1	3.417	99.417	308.50	306.39	306.39
1	3.500	99.500	309.86	307.72	307.72
1	3.583	99.583	311.23	309.07	309.07
1	3.667	99.667	312.61	310.43	310.43
1	3.750	99.750	314.00	311.80	311.80
1	3.833	99.833	315.40	313.19	313.19
1	3.917	99.917	316.82	314.58	314.58
1	4.000	100.000	318.25	315.99	315.99
1	4.083	100.083	319.69	317.41	317.41
1	4.167	100.167	321.11	318.85	318.85
1	4.250	100.250	322.51	320.28	320.28
1	4.333	100.333	323.87	321.69	321.69
1	4.417	100.417	325.24	323.07	323.07
1	4.500	100.500	326.60	324.44	324.44
1	4.583	100.583	327.98	325.80	325.80
1	4.667	100.667	329.37	327.18	327.18
1	4.750	100.750	330.78	328.56	328.56
1	4.833	100.833	332.21	329.96	329.96
1	4.917	100.917	333.65	331.38	331.38
1	5.000	101.000	335.10	332.81	332.81
1	5.083	101.083	336.58	334.25	334.25
1	5.167	101.167	338.06	335.72	335.72
1	5.250	101.250	339.57	337.20	337.20
1	5.333	101.333	341.10	338.69	338.69
1	5.417	101.417	342.64	340.21	340.21
1	5.500	101.500	344.20	341.74	341.74
1	5.583	101.583	345.78	343.29	343.29
1	5.667	101.667	347.38	344.86	344.86
1	5.750	101.750	348.99	346.44	346.44
1	5.833	101.833	350.63	348.05	348.05
1	5.917	101.917	352.29	349.68	349.68
1	6.000	102.000	353.97	351.32	351.32
1	6.083	102.083	355.67	352.99	352.99
1	6.167	102.167	357.38	354.67	354.67
1	6.250	102.250	359.13	356.38	356.38
1	6.333	102.333	360.89	358.11	358.11
1	6.417	102.417	362.68	359.86	359.86
1	6.500	102.500	364.49	361.64	361.64
1	6.583	102.583	366.32	363.43	363.43
1	6.667	102.667	368.18	365.25	365.25
1	6.750	102.750	370.06	367.10	367.10
1	6.833	102.833	371.97	368.97	368.97
1	6.917	102.917	373.91	370.86	370.86
1	7.000	103.000	375.87	372.78	372.78
1	7.083	103.083	377.86	374.72	374.72
1	7.167	103.167	379.87	376.70	376.70
1	7.250	103.250	381.92	378.70	378.70
1	7.333	103.333	383.99	380.72	380.72
1	7.417	103.417	386.09	382.78	382.78
1	7.500	103.500	388.22	384.87	384.87
1	7.583	103.583	390.39	386.98	386.98
1	7.667	103.667	392.58	389.13	389.13
1	7.750	103.750	394.81	391.30	391.30
1	7.833	103.833	397.07	393.51	393.51
1	7.917	103.917	399.37	395.75	395.75
1	8.000	104.000	401.70	398.03	398.03
1	8.083	104.083	404.06	400.34	400.34
1	8.167	104.167	406.47	402.68	402.68
1	8.250	104.250	408.91	405.07	405.07
1	8.333	104.333	411.39	407.49	407.49
1	8.417	104.417	413.91	409.94	409.94
1	8.500	104.500	416.47	412.44	412.44
1	8.583	104.583	419.07	414.97	414.97
1	8.667	104.667	421.71	417.55	417.55
1	8.750	104.750	424.40	420.17	420.17
1	8.833	104.833	427.13	422.83	422.83
1	8.917	104.917	429.91	425.54	425.54
1	9.000	105.000	432.74	428.29	428.29
1	9.083	105.083	435.62	431.09	431.09
1	9.167	105.167	438.54	433.94	433.94
1	9.250	105.250	441.52	436.84	436.84
1	9.333	105.333	444.55	439.79	439.79
1	9.417	105.417	447.64	442.78	442.78
1	9.500	105.500	450.78	445.84	445.84
1	9.583	105.583	453.99	448.95	448.95
1	9.667	105.667	457.25	452.12	452.12
1	9.750	105.750	460.57	455.35	455.35
1	9.833	105.833	463.96	458.64	458.64
1	9.917	105.917	467.42	461.99	461.99
1	10.000	106.000	470.93	465.40	465.40
1	10.083	106.083	474.53	468.88	468.88
1	10.167	106.167	478.19	472.44	472.44
1	10.250	106.250	481.93	476.06	476.06
1	10.333	106.333	485.75	479.75	479.75
1	10.417	106.417	489.65	483.53	483.53
1	10.500	106.500	493.62	487.38	487.38
1	10.583	106.583	497.70	491.31	491.31
1	10.667	106.667	501.85	495.33	495.33
1	10.750	106.750	506.10	499.43	499.43
1	10.833	106.833	510.43	503.62	503.62
1	10.917	106.917	514.88	507.91	507.91
1	11.000	107.000	519.42	512.29	512.29
1	11.083	107.083	524.02	516.78	516.78
1	11.167	107.167	528.33	521.33	521.33
1	11.250	107.250	531.99	525.78	525.78
1	11.333	107.333	535.13	529.78	529.78
1	11.417	107.417	538.30	533.23	533.23
1	11.500	107.500	541.80	536.44	536.44
1	11.583	107.583	545.72	539.79	539.79
1	11.667	107.667	550.01	543.48	543.48
1	11.750	107.750	554.66	547.55	547.55
1	11.833	107.833	559.60	551.99	551.99
1	11.917	107.917	564.83	556.75	556.75
1	12.000	108.000	570.29	561.81	561.81
1	12.083	108.083	576.37	567.13	567.13
1	12.167	108.167	583.69	572.89	572.89
1	12.250	108.250	593.36	579.55	579.55
1	12.333	108.333	605.49	587.97	587.97
1	12.417	108.417	620.39	598.69	598.69
1	12.500	108.500	634.77	612.01	612.01
1	12.583	108.583	646.67	626.37	626.37
1	12.667	108.667	656.90	639.46	639.46
1	12.750	108.750	667.35	650.71	650.71
1	12.833	108.833	679.03	661.23	661.23
1	12.917	108.917	692.01	672.33	672.33
1	13.000	109.000	705.35	684.58	684.58
1	13.083	109.083	717.89	697.62	697.62
1	13.167	109.167	729.37	710.49	710.49
1	13.250	109.250	740.41	722.54	722.54
1	13.333	109.333	751.45	733.89	733.89
1	13.417	109.417	762.68	744.98	744.98
1	13.500	109.500	773.62	756.13	756.13
1	13.583	109.583	783.74	767.20	767.20
1	13.667	109.667	793.05	777.74	777.74
1	13.750	109.750	802.21	787.51	787.51
1	13.833	109.833	811.61	796.82	796.82
1	13.917	109.917	821.56	806.13	806.13
1	14.000	110.000	832.08	815.80	815.80
1	14.083	110.083	843.45	826.00	826.00
1	14.167	110.167	855.80	836.90	836.90
1	14.250	110.250	869.58	848.70	848.70
1	14.333	110.333	884.68	861.69	861.69
1	14.417	110.417	901.50	876.01	876.01

1	14.500	110.500	919.28	891.87	891.87
1	14.583	110.583	937.70	909.02	909.02
1	14.667	110.667	957.05	927.02	927.02
1	14.750	110.750	978.73	945.85	945.85
1	14.833	110.833	1003.21	966.31	966.31
1	14.917	110.917	1030.96	989.23	989.23
1	15.000	111.000	1061.20	1015.13	1015.13
1	15.083	111.083	1093.98	1043.84	1043.84
1	15.167	111.167	1129.15	1075.12	1075.12
1	15.250	111.250	1167.69	1108.88	1108.88
1	15.333	111.333	1208.22	1145.55	1145.55
1	15.417	111.417	1249.01	1184.79	1184.79
1	15.500	111.500	1287.87	1225.23	1225.23
1	15.583	111.583	1323.89	1264.97	1264.97
1	15.667	111.667	1358.32	1302.51	1302.51
1	15.750	111.750	1394.43	1337.97	1337.97
1	15.833	111.833	1445.04	1373.45	1373.45
1	15.917	111.917	1525.36	1416.95	1416.95
1	16.000	112.000	1647.27	1481.69	1481.69
1	16.083	112.083	1877.81	1580.80	1580.80
1	16.167	112.167	2248.69	1754.91	1754.91
1	16.250	112.250	2782.57	2048.20	2048.20
1	16.333	112.333	3266.90	2489.85	2489.85
1	16.417	112.417	3620.86	2982.04	2982.04
1	16.500	112.500	3403.29	3400.31	3400.31
1	16.583	112.583	2894.65	3469.90	3469.90
1	16.667	112.667	2456.16	3151.84	3151.84
1	16.750	112.750	2185.38	2712.70	2712.70
1	16.833	112.833	2002.58	2360.83	2360.83
1	16.917	112.917	1865.38	2121.42	2121.42
1	17.000	113.000	1779.30	1952.34	1952.34
1	17.083	113.083	1714.60	1836.01	1836.01
1	17.167	113.167	1657.40	1755.72	1755.72
1	17.250	113.250	1603.94	1692.19	1692.19
1	17.333	113.333	1560.57	1635.81	1635.81
1	17.417	113.417	1528.62	1587.07	1587.07
1	17.500	113.500	1505.14	1548.67	1548.67
1	17.583	113.583	1488.24	1519.97	1519.97
1	17.667	113.667	1474.88	1498.99	1498.99
1	17.750	113.750	1463.33	1483.20	1483.20
1	17.833	113.833	1452.38	1470.35	1470.35
1	17.917	113.917	1442.29	1458.89	1458.89
1	18.000	114.000	1431.97	1448.29	1448.29
1	18.083	114.083	1421.83	1438.00	1438.00
1	18.167	114.167	1411.33	1427.78	1427.78
1	18.250	114.250	1397.81	1417.44	1417.44
1	18.333	114.333	1382.94	1405.40	1405.40
1	18.417	114.417	1366.64	1391.44	1391.44
1	18.500	114.500	1350.80	1375.99	1375.99
1	18.583	114.583	1335.74	1360.08	1360.08
1	18.667	114.667	1323.55	1344.63	1344.63
1	18.750	114.750	1313.80	1330.99	1330.99
1	18.833	114.833	1305.25	1319.80	1319.80
1	18.917	114.917	1296.52	1310.43	1310.43
1	19.000	115.000	1288.29	1301.64	1301.64
1	19.083	115.083	1281.58	1293.15	1293.15
1	19.167	115.167	1275.52	1285.67	1285.67
1	19.250	115.250	1269.67	1279.16	1279.16
1	19.333	115.333	1264.41	1273.13	1273.13
1	19.417	115.417	1259.42	1267.55	1267.55
1	19.500	115.500	1254.56	1262.37	1262.37
1	19.583	115.583	1249.79	1257.42	1257.42
1	19.667	115.667	1245.05	1252.60	1252.60
1	19.750	115.750	1240.28	1247.83	1247.83
1	19.833	115.833	1235.13	1243.07	1243.07
1	19.917	115.917	1229.88	1238.10	1238.10
1	20.000	116.000	1225.05	1232.93	1232.93
1	20.083	116.083	1220.58	1227.91	1227.91
1	20.167	116.167	1216.28	1223.23	1223.23
1	20.250	116.250	1212.06	1218.82	1218.82
1	20.333	116.333	1207.80	1214.54	1214.54
1	20.417	116.417	1202.92	1210.29	1210.29
1	20.500	116.500	1198.52	1205.71	1205.71
1	20.583	116.583	1194.55	1201.13	1201.13
1	20.667	116.667	1190.79	1196.92	1196.92
1	20.750	116.750	1187.12	1193.02	1193.02
1	20.833	116.833	1183.49	1189.28	1189.28
1	20.917	116.917	1179.88	1185.62	1185.62
1	21.000	117.000	1176.25	1182.00	1182.00
1	21.083	117.083	1172.81	1178.37	1178.37
1	21.167	117.167	1169.41	1174.84	1174.84
1	21.250	117.250	1166.06	1171.41	1171.41
1	21.333	117.333	1162.77	1168.03	1168.03
1	21.417	117.417	1159.57	1164.70	1164.70
1	21.500	117.500	1156.45	1161.45	1161.45
1	21.583	117.583	1153.37	1158.28	1158.28
1	21.667	117.667	1150.32	1155.18	1155.18
1	21.750	117.750	1147.30	1152.11	1152.11
1	21.833	117.833	1144.31	1149.07	1149.07
1	21.917	117.917	1141.34	1146.06	1146.06
1	22.000	118.000	1138.40	1143.08	1143.08
1	22.083	118.083	1135.48	1140.12	1140.12
1	22.167	118.167	1132.58	1137.19	1137.19
1	22.250	118.250	1129.69	1134.28	1134.28
1	22.333	118.333	1126.76	1131.38	1131.38
1	22.417	118.417	1123.45	1128.47	1128.47
1	22.500	118.500	1119.44	1125.35	1125.35
1	22.583	118.583	1114.95	1121.71	1121.71
1	22.667	118.667	1110.27	1117.51	1117.51
1	22.750	118.750	1105.55	1112.97	1112.97
1	22.833	118.833	1100.83	1108.30	1108.30
1	22.917	118.917	1096.13	1103.59	1103.59
1	23.000	119.000	1091.46	1098.88	1098.88
1	23.083	119.083	1086.80	1094.19	1094.19
1	23.167	119.167	1082.17	1089.53	1089.53
1	23.250	119.250	1077.57	1084.88	1084.88
1	23.333	119.333	1072.98	1080.26	1080.26
1	23.417	119.417	1068.40	1075.67	1075.67
1	23.500	119.500	1063.79	1071.08	1071.08
1	23.583	119.583	1059.13	1066.48	1066.48
1	23.667	119.667	1054.47	1061.85	1061.85
1	23.750	119.750	1049.81	1057.19	1057.19
1	23.833	119.833	1045.17	1052.53	1052.53
1	23.917	119.917	1040.55	1047.88	1047.88
1	24.000	120.000	1035.95	1043.25	1043.25
1	24.083	120.083	1030.79	1038.64	1038.64
1	24.167	120.167	1024.05	1033.75	1033.75
1	24.250	120.250	1014.04	1027.82	1027.82
1	24.333	120.333	1000.70	1019.53	1019.53
1	24.417	120.417	983.85	1008.10	1008.10
1	24.500	120.500	968.09	993.27	993.27
1	24.583	120.583	955.79	977.34	977.34
1	24.667	120.667	946.31	963.34	963.34
1	24.750	120.750	938.33	952.20	952.20
1	24.833	120.833	931.26	943.21	943.21
1	24.917	120.917	924.81	935.52	935.52
1	25.000	121.000	918.59	928.67	928.67
1	25.083	121.083	912.47	922.26	922.26
1	25.167	121.167	906.47	916.06	916.06
1	25.250	121.250	900.64	909.99	909.99
1	25.333	121.333	894.95	904.07	904.07
1	25.417	121.417	889.28	898.29	898.29
1	25.500	121.500	883.56	892.60	892.60
1	25.583	121.583	877.77	886.90	886.90

1	25.667	121.667	871.95	881.15	881.15
1	25.750	121.750	866.14	875.35	875.35
1	25.833	121.833	860.36	869.54	869.54
1	25.917	121.917	854.61	863.74	863.74
1	26.000	122.000	848.91	857.98	857.98
1	26.083	122.083	843.24	852.25	852.25
1	26.167	122.167	837.61	846.56	846.56
1	26.250	122.250	831.93	840.91	840.91
1	26.333	122.333	825.97	835.25	835.25
1	26.417	122.417	819.59	829.43	829.43
1	26.500	122.500	812.94	823.27	823.27
1	26.583	122.583	806.25	816.79	816.79
1	26.667	122.667	799.59	810.15	810.15
1	26.750	122.750	792.98	803.49	803.49
1	26.833	122.833	786.43	796.85	796.85
1	26.917	122.917	779.94	790.27	790.27
1	27.000	123.000	773.39	783.74	783.74
1	27.083	123.083	766.02	777.21	777.21
1	27.167	123.167	756.93	770.24	770.24
1	27.250	123.250	746.30	762.05	762.05
1	27.333	123.333	734.96	752.32	752.32
1	27.417	123.417	723.47	741.48	741.48
1	27.500	123.500	712.01	730.16	730.16
1	27.583	123.583	700.31	718.71	718.71
1	27.667	123.667	688.13	707.13	707.13
1	27.750	123.750	675.65	695.20	695.20
1	27.833	123.833	663.19	682.91	682.91
1	27.917	123.917	650.88	670.47	670.47
1	28.000	124.000	638.50	658.09	658.09

Note: Computed Hydrograph continues past two days after the peak day of the design storm.

PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 2579.381 AF
OUTFLOW VOLUME = 2579.380 AF
LOSS VOLUME = 0.000 AF

FLOW PROCESS FROM NODE 6360.00 TO NODE 6371.00 IS CODE = 1

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 922.3 Ac. ***
>>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

(UNIT-HYDROGRAPH ADDED TO STREAM #2)

WATERSHED AREA = 922.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.250 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED):
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.900
FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
VALLEY(UNDEVELOPED)/DESERT:
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:

LOSS RATES	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
5-MINUTE (INCHES)	0.58	0.27	0.12	0.06	0.04
30-MINUTE (INCHES)	1.22	0.56	0.24	0.13	0.09
1-HOUR (INCHES)	1.62	0.75	0.33	0.17	0.12
3-HOUR (INCHES)	2.71	1.25	0.54	0.28	0.21
6-HOUR (INCHES)	3.75	1.73	0.75	0.39	0.29
24-HOUR (INCHES)	6.28	2.89	1.26	0.66	0.48
LOSS RATE(IN/HR)	0.120	0.120	0.120	0.120	0.120
LOW LOSS FRACTION	0.510	0.760	0.950	0.990	0.990

5-MINUTE FACTOR = 0.959
30-MINUTE FACTOR = 0.959
1-HOUR FACTOR = 0.959
3-HOUR FACTOR = 0.994
6-HOUR FACTOR = 0.997
24-HOUR FACTOR = 0.998

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 33.333

RUNOFF HYDROGRAPH LISTING LIMITS:
MODEL TIME(HOURS) FOR BEGINNING OF RESULTS = 96.00
MODEL TIME(HOURS) FOR END OF RESULTS = 124.00

UNIT HYDROGRAPH DETERMINATION

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	2.292	255.704
2	13.821	1285.900
3	35.522	2420.567
4	62.164	2971.648
5	80.648	2061.668
6	89.997	1042.866
7	94.646	518.513
8	96.625	220.790
9	97.489	96.296
10	98.211	80.598
11	98.708	55.360
12	99.005	33.223
13	99.174	18.845
14	99.253	8.821
15	99.326	8.100
16	99.394	7.535
17	99.458	7.164
18	99.518	6.727
19	99.574	6.257
20	99.626	5.759
21	99.675	5.514
22	99.718	4.708
23	99.759	4.643
24	99.799	4.443
25	99.827	3.130
26	99.851	2.675
27	99.875	2.675
28	99.897	2.469
29	99.906	1.014
30	99.913	0.730
31	99.919	0.731
32	99.926	0.729

33	99.932	0.731
34	99.939	0.729
35	99.946	0.730
36	99.952	0.729
37	99.959	0.729
38	99.965	0.729
39	99.972	0.730
40	99.978	0.729
41	99.985	0.729
42	99.991	0.729
43	99.998	0.729
44	100.000	0.237

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 433.5397

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 453.8287

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	650.0	1300.0	1950.0	2600.0
96.000	126.4908	10.29	Q	.V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	126.5666	11.01	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	126.6693	14.91	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	126.8231	22.33	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	127.0401	31.50	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	127.3012	37.92	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	127.5853	41.24	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	127.8812	42.97	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	128.1828	43.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	128.4874	44.23	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	128.7947	44.62	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	129.1042	44.94	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	129.4155	45.20	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	129.7283	45.41	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	130.0422	45.59	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	130.3575	45.77	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	130.6740	45.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	130.9917	46.14	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	131.3107	46.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	131.6310	46.50	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	131.9525	46.68	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	132.2753	46.87	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	132.5993	47.05	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	132.9246	47.23	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	133.2512	47.42	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	133.5791	47.60	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	133.9082	47.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	134.2386	47.97	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	134.5703	48.16	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	134.9032	48.34	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	135.2374	48.53	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	135.5729	48.71	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	135.9097	48.90	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	136.2478	49.09	Q	. V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	136.5872	49.28	Q	. V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	136.9279	49.48	Q	. V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	137.2700	49.67	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	137.6135	49.87	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	137.9583	50.07	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	138.3045	50.27	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	138.6522	50.48	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	139.0012	50.68	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	139.3517	50.89	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	139.7036	51.10	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	140.0570	51.31	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	140.4118	51.52	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	140.7682	51.74	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	141.1260	51.95	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	141.4853	52.18	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	141.8462	52.40	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	142.2086	52.62	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	142.5726	52.85	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	142.9381	53.08	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	143.3053	53.31	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	143.6741	53.55	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	144.0445	53.78	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	144.4165	54.02	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	144.7903	54.27	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	145.1657	54.51	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	145.5429	54.76	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	145.9218	55.02	Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	146.3024	55.27	Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
 101.167    146.6848     55.53  Q          . V        .          .          .
 (PEAK DAY 1, HOUR   5.167)
 101.250    147.0691     55.79  Q          . V        .          .          .
 (PEAK DAY 1, HOUR   5.250)
 101.333    147.4551     56.05  Q          . V        .          .          .
 (PEAK DAY 1, HOUR   5.333)
 101.417    147.8430     56.32  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.417)
 101.500    148.2327     56.59  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.500)
 101.583    148.6244     56.87  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.583)
 101.667    149.0179     57.14  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.667)
 101.750    149.4134     57.42  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.750)
 101.833    149.8109     57.71  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.833)
 101.917    150.2103     58.00  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.917)
 102.000    150.6118     58.29  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.000)
 102.083    151.0152     58.59  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.083)
 102.167    151.4208     58.89  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.167)
 102.250    151.8285     59.19  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.250)
 102.333    152.2383     59.50  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.333)
 102.417    152.6502     59.81  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.417)
 102.500    153.0643     60.13  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.500)
 102.583    153.4807     60.45  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.583)
 102.667    153.8993     60.78  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.667)
 102.750    154.3201     61.11  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.750)
 102.833    154.7433     61.45  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.833)
 102.917    155.1688     61.78  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.917)
 103.000    155.5967     62.13  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.000)
 103.083    156.0270     62.48  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.083)
 103.167    156.4598     62.84  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.167)
 103.250    156.8950     63.19  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.250)
 103.333    157.3327     63.56  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.333)
 103.417    157.7730     63.93  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.417)
 103.500    158.2159     64.31  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.500)
 103.583    158.6615     64.69  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.583)
 103.667    159.1097     65.08  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.667)
 103.750    159.5606     65.47  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.750)
 103.833    160.0143     65.88  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.833)
 103.917    160.4708     66.28  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.917)
 104.000    160.9302     66.70  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.000)
 104.083    161.3924     67.12  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.083)
 104.167    161.8577     67.55  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.167)
 104.250    162.3259     67.98  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.250)
 104.333    162.7971     68.43  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.333)
 104.417    163.2715     68.88  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.417)
 104.500    163.7490     69.34  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.500)
 104.583    164.2297     69.80  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.583)
 104.667    164.7137     70.28  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.667)
 104.750    165.2010     70.76  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.750)
 104.833    165.6917     71.25  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.833)
 104.917    166.1859     71.75  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.917)
 105.000    166.6836     72.26  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.000)
 105.083    167.1848     72.78  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.083)
 105.167    167.6897     73.31  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.167)
 105.250    168.1983     73.85  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.250)
 105.333    168.7106     74.40  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.333)
 105.417    169.2269     74.96  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.417)
 105.500    169.7471     75.53  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.500)
 105.583    170.2712     76.11  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.583)
 105.667    170.7995     76.71  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.667)
 105.750    171.3320     77.31  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.750)
 105.833    171.8687     77.93  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.833)
 105.917    172.4097     78.56  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.917)
 106.000    172.9553     79.21  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.000)
 106.083    173.5053     79.87  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.083)
 106.167    174.0600     80.55  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.167)
 106.250    174.6195     81.23  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.250)
 106.333    175.1838     81.94  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.333)
 106.417    175.7531     82.66  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.417)
 106.500    176.3275     83.40  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.500)
 106.583    176.9070     84.15  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.583)
 106.667    177.4919     84.93  .Q         .    V     .          .          .
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 (PEAK DAY 1, HOUR  10.667)
106.750    178.0822     85.71  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    178.6782     86.53  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    179.2798     87.36  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    179.8873     88.21  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    180.5009     89.08  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    181.1206     89.99  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    181.7466     90.90  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    182.3792     91.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    183.0185     92.82  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    183.6647     93.83  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    184.3179     94.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    184.9784     95.91  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    185.6464     96.99  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    186.3222     98.12  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    187.0058     99.27  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    187.6978    100.47  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    188.4071    103.00  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    189.1709    110.90  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    190.0303    124.79  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    191.0077    141.92  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    192.0742    154.86  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    193.1971    163.04  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    194.3594    168.77  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    195.5523    173.20  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    196.7720    177.11  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    198.0194    181.12  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    199.2942    185.10  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    200.5969    189.16  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    201.9279    193.26  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    203.2883    197.53  .  Q      .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    204.6788    201.90  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    206.1012    206.52  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    207.5563    211.28  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    209.0460    216.31  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    210.5715    221.50  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    212.1349    227.01  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    213.7376    232.71  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    215.3821    238.78  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    217.0699    245.07  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    218.8041    251.80  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    220.5902    259.34  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    222.4465    269.54  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    224.3919    282.46  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    226.4383    297.14  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    228.5758    310.36  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    230.7948    322.20  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    233.0915    333.49  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    235.4680    345.08  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    237.9275    357.12  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    240.4778    370.30  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    243.1250    384.38  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  14.917)
111.000    245.8795    399.94  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.000)
111.083    248.7500    416.80  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.083)
111.167    251.7508    435.72  .     Q   .         . V       .         .
 (PEAK DAY 1, HOUR  15.167)
111.250    254.8950    456.54  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.250)
111.333    258.2032    480.36  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.333)
111.417    261.6745    504.03  .      Q  .         .  V      .         .
 (PEAK DAY 1, HOUR  15.417)
111.500    265.2556    519.98  .      Q  .         .  V      .         .
 (PEAK DAY 1, HOUR  15.500)
111.583    268.8864    527.19  .       Q .         .  V      .         .
 (PEAK DAY 1, HOUR  15.583)
111.667    272.5746    535.52  .       Q .         .   V     .         .
 (PEAK DAY 1, HOUR  15.667)
111.750    276.4615    564.39  .       Q .         .   V     .         .
 (PEAK DAY 1, HOUR  15.750)
111.833    280.7536    623.20  .        Q.         .   V     .         .
 (PEAK DAY 1, HOUR  15.833)
111.917    285.6821    715.63  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  15.917)
112.000    291.6738    869.99  .         . Q       .    V    .         .
 (PEAK DAY 1, HOUR  16.000)
112.083    299.9257   1198.18  .         .       Q .     V   .         .
 (PEAK DAY 1, HOUR  16.083)
112.167    312.6125   1842.12  .         .         .      VQ .         .
 (PEAK DAY 1, HOUR  16.167)
112.250    329.2037   2409.04  .         .         .       V.      Q  .
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 (PEAK DAY 1, HOUR  16.250)
112.333    346.6870   2538.58  .         .         .         V        Q.
 (PEAK DAY 1, HOUR  16.333)
112.417    360.1437   1953.91  .         .         .         QV       .
 (PEAK DAY 1, HOUR  16.417)
112.500    369.2429   1321.20  .         .         Q         . V      .
 (PEAK DAY 1, HOUR  16.500)
112.583    375.7551    945.57  .         .   Q     .         .  V     .
 (PEAK DAY 1, HOUR  16.583)
112.667    380.7361    723.23  .         .Q        .         .  V     .
 (PEAK DAY 1, HOUR  16.667)
112.750    384.8868    602.69  .        Q.         .         .  V     .
 (PEAK DAY 1, HOUR  16.750)
112.833    388.6063    540.07  .       Q .         .         .   V    .
 (PEAK DAY 1, HOUR  16.833)
112.917    391.9329    483.02  .      Q  .         .         .   V    .
 (PEAK DAY 1, HOUR  16.917)
113.000    394.9217    433.96  .     Q   .         .         .   V    .
 (PEAK DAY 1, HOUR  17.000)
113.083    397.6353    394.02  .     Q   .         .         .    V   .
 (PEAK DAY 1, HOUR  17.083)
113.167    400.1144    359.97  .    Q    .         .         .    V   .
 (PEAK DAY 1, HOUR  17.167)
113.250    402.3992    331.75  .    Q    .         .         .    V   .
 (PEAK DAY 1, HOUR  17.250)
113.333    404.5044    305.67  .   Q     .         .         .    V   .
 (PEAK DAY 1, HOUR  17.333)
113.417    406.4601    283.98  .   Q     .         .         .    V   .
 (PEAK DAY 1, HOUR  17.417)
113.500    408.2940    266.28  .   Q     .         .         .    V   .
 (PEAK DAY 1, HOUR  17.500)
113.583    410.0247    251.30  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.583)
113.667    411.6657    238.27  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.667)
113.750    413.2271    226.73  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.750)
113.833    414.7146    215.98  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.833)
113.917    416.1360    206.38  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.917)
114.000    417.4958    197.44  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  18.000)
114.083    418.7867    187.45  .Q        .         .         .     V  .
 (PEAK DAY 1, HOUR  18.083)
114.167    419.9803    173.31  .Q        .         .         .      V .
 (PEAK DAY 1, HOUR  18.167)
114.250    421.0444    154.50  .Q        .         .         .      V .
 (PEAK DAY 1, HOUR  18.250)
114.333    421.9666    133.89  .Q        .         .         .      V .
 (PEAK DAY 1, HOUR  18.333)
114.417    422.7832    118.57 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.417)
114.500    423.5391    109.76 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.500)
114.583    424.2572    104.27 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.583)
114.667    424.9502    100.61 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.667)
114.750    425.6237     97.79 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.750)
114.833    426.2794     95.21 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.833)
114.917    426.9191     92.90 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.917)
115.000    427.5446     90.82 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.000)
115.083    428.1571     88.93 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.083)
115.167    428.7575     87.18 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.167)
115.250    429.3465     85.52 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.250)
115.333    429.9244     83.92 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.333)
115.417    430.4919     82.39 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.417)
115.500    431.0491     80.91 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.500)
115.583    431.5964     79.46 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.583)
115.667    432.1327     77.87 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.667)
115.750    432.6594     76.47 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.750)
115.833    433.1776     75.24 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.833)
115.917    433.6878     74.08 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.917)
116.000    434.1903     72.96 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.000)
116.083    434.6854     71.89 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.083)
116.167    435.1735     70.87 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.167)
116.250    435.6548     69.88 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.250)
116.333    436.1295     68.93 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.333)
116.417    436.5980     68.02 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.417)
116.500    437.0605     67.15 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.500)
116.583    437.5171     66.30 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.583)
116.667    437.9680     65.48 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.667)
116.750    438.4135     64.69 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  20.750)
116.833    438.8538     63.92 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  20.833)
116.917    439.2888     63.18 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  20.917)
117.000    439.7190     62.45 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.000)
117.083    440.1443     61.75 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.083)
117.167    440.5648     61.07 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.167)
117.250    440.9809     60.41 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.250)
117.333    441.3925     59.77 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.333)
117.417    441.7998     59.14 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.417)
117.500    442.2029     58.53 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.500)
117.583    442.6020     57.94 Q          .         .         .        V.
 (PEAK DAY 1, HOUR  21.583)
117.667    442.9971     57.37 Q          .         .         .        V.
 (PEAK DAY 1, HOUR  21.667)
117.750    443.3883     56.81 Q          .         .         .        V.
 (PEAK DAY 1, HOUR  21.750)
117.833    443.7758     56.26 Q          .         .         .        V.
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(PEAK DAY 1, HOUR 21.833)
117.917 444.1596 55.73 Q . . . V.
(PEAK DAY 1, HOUR 21.917)
118.000 444.5399 55.21 Q . . . V.
(PEAK DAY 1, HOUR 22.000)
118.083 444.9166 54.71 Q . . . V.
(PEAK DAY 1, HOUR 22.083)
118.167 445.2900 54.21 Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 445.6600 53.73 Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 446.0268 53.26 Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 446.3904 52.79 Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 446.7509 52.34 Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 447.1083 51.90 Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 447.4628 51.47 Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 447.8144 51.05 Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 448.1631 50.64 Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 448.5091 50.23 Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 448.8523 49.83 Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 449.1928 49.45 Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 449.5307 49.06 Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 449.8661 48.69 Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 450.1989 48.33 Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 450.5292 47.97 Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 450.8572 47.62 Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 451.1827 47.27 Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 451.5060 46.93 Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 451.8269 46.60 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 452.1455 46.27 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 452.4620 45.95 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 452.7763 45.64 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 453.0815 44.31 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 453.3494 38.91 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 453.5494 29.03 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 453.6667 17.04 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 453.7269 8.73 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 453.7581 4.53 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 453.7749 2.44 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 453.7856 1.55 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 453.7936 1.16 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 453.7993 0.83 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 453.8034 0.60 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 453.8066 0.47 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 453.8093 0.39 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 453.8117 0.35 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 453.8139 0.32 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 453.8159 0.28 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 453.8176 0.25 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 453.8192 0.23 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 453.8205 0.20 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 453.8217 0.17 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 453.8228 0.15 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 453.8237 0.13 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 453.8244 0.11 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 453.8251 0.09 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 453.8256 0.08 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 453.8261 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 453.8265 0.06 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 453.8268 0.05 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 453.8271 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 453.8274 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 453.8277 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 453.8279 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 453.8281 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 453.8283 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 453.8285 0.02 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 453.8286 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 453.8288 0.02 Q . . . V
(PEAK DAY 1, HOUR 27.083)
123.167 453.8289 0.02 Q . . . V
(PEAK DAY 1, HOUR 27.167)
123.250 453.8290 0.01 Q . . . V
(PEAK DAY 1, HOUR 27.250)
123.333 453.8290 0.01 Q . . . V
(PEAK DAY 1, HOUR 27.333)
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****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6961.5 Ac. ***
============================================================================


****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6961.5 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
          (Note: Time indicated is at END of Each Unit Intervals)
----------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1275.0    2550.0    3825.0    5100.0
----------------------------------------------------------------------------
  96.000    806.3026     88.91  Q         V         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    806.9158     89.03  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    807.5533     92.58  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    808.2451    100.45  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    809.0157    111.90  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    809.8650    123.31  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    810.7964    135.25  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    811.8176    148.27  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    812.9286    161.31  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    814.1336    174.97  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    815.4559    192.01  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    816.9259    213.44  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    818.5493    235.71  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    820.3016    254.44  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    822.1517    268.63  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    824.0761    279.43  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    826.0596    288.00  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    828.0919    295.10  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    830.1662    301.18  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    832.2770    306.50  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    834.4203    311.20  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    836.5927    315.43  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    838.7916    319.29  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    841.0149    322.82  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    843.2604    326.05  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    845.5261    328.99  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    847.8104    331.67  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    850.1115    334.11  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    852.4282    336.39  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    854.7595    338.50  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    857.1037    340.39  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    859.4595    342.06  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    861.8260    343.62  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    864.2029    345.11  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    866.5898    346.59  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    868.9870    348.07  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    871.3944    349.55  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    873.8120    351.03  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    876.2399    352.53  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    878.6780    354.03  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    881.1266    355.54  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    883.5858    357.07  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    886.0556    358.61  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    888.5361    360.17  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    891.0274    361.74  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    893.5296    363.32  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    896.0428    364.93  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    898.5672    366.54  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    901.1028    368.17  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   4.000)
 100.083    903.6497    369.81  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   4.083)
 100.167    906.2081    371.47  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   4.167)
 100.250    908.7778    373.13  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   4.250)
 100.333    911.3589    374.77  . Q       . V       .         .         .
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(PEAK DAY 1, HOUR 4.333)
100.417 913.9510 376.38 . Q . V . . .
(PEAK DAY 1, HOUR 4.417)
100.500 916.5543 377.98 . Q . V . . .
(PEAK DAY 1, HOUR 4.500)
100.583 919.1685 379.59 . Q . V . . .
(PEAK DAY 1, HOUR 4.583)
100.667 921.7938 381.20 . Q . V . . .
(PEAK DAY 1, HOUR 4.667)
100.750 924.4304 382.83 . Q . V . . .
(PEAK DAY 1, HOUR 4.750)
100.833 927.0782 384.48 . Q . V . . .
(PEAK DAY 1, HOUR 4.833)
100.917 929.7376 386.14 . Q . V . . .
(PEAK DAY 1, HOUR 4.917)
101.000 932.4086 387.82 . Q . V . . .
(PEAK DAY 1, HOUR 5.000)
101.083 935.0912 389.52 . Q . V . . .
(PEAK DAY 1, HOUR 5.083)
101.167 937.7858 391.25 . Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 940.4922 392.98 . Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 943.2109 394.75 . Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 945.9418 396.53 . Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 948.6851 398.33 . Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 951.4410 400.15 . Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 954.2096 402.00 . Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 956.9910 403.87 . Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 959.7855 405.76 . Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 962.5932 407.67 . Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 965.4142 409.61 . Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 968.2488 411.57 . Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 971.0970 413.56 . Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 973.9591 415.57 . Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 976.8352 417.61 . Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 979.7255 419.68 . Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 982.6302 421.77 . Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 985.5496 423.88 . Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 988.4837 426.03 . Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 991.4328 428.21 . Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 994.3971 430.41 . Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 997.3767 432.64 . Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 1000.3719 434.91 . Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 1003.3830 437.20 . Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 1006.4101 439.53 . Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 1009.4534 441.89 . Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 1012.5132 444.29 . Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 1015.5898 446.71 . Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 1018.6833 449.18 . Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 1021.7939 451.67 . Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 1024.9221 454.21 . Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 1028.0680 456.78 . Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 1031.2318 459.39 . Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 1034.4139 462.04 . Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 1037.6145 464.73 . Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 1040.8339 467.46 . Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 1044.0724 470.23 . Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 1047.3303 473.05 . Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 1050.6079 475.91 . Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 1053.9055 478.82 . Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 1057.2235 481.78 . Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 1060.5621 484.77 . Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 1063.9219 487.83 . Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 1067.3030 490.93 . Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 1070.7058 494.09 . Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 1074.1306 497.29 . Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 1077.5780 500.56 . Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 1081.0482 503.87 . Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 1084.5416 507.25 . Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 1088.0587 510.68 . Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 1091.6000 514.18 . Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 1095.1656 517.74 . Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 1098.7563 521.37 . Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 1102.3724 525.06 . Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 1106.0145 528.83 . Q . V . . .
(PEAK DAY 1, HOUR 9.667)
105.750 1109.6830 532.66 . Q . V . . .
(PEAK DAY 1, HOUR 9.750)
105.833 1113.3784 536.57 . Q . V . . .
(PEAK DAY 1, HOUR 9.833)
105.917 1117.1012 540.55 . Q . V . . .

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(PEAK DAY 1, HOUR   9.917)
106.000   1120.8519    544.61  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083   1124.6312    548.75  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167   1128.4397    552.98  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250   1132.2778    557.29  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333   1136.1462    561.70  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417   1140.0455    566.18  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500   1143.9766    570.78  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583   1147.9398    575.46  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667   1151.9360    580.25  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750   1155.9659    585.14  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.750)
106.833   1160.0304    590.16  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917   1164.1300    595.27  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000   1168.2657    600.51  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083   1172.4384    605.86  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167   1176.6486    611.32  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250   1180.8956    616.68  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333   1185.1769    621.63  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417   1189.4885    626.05  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500   1193.8292    630.26  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583   1198.2000    634.63  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667   1202.6034    639.39  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750   1207.0424    644.54  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833   1211.5197    650.11  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917   1216.0377    656.02  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000   1220.5989    662.28  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083   1225.2141    670.13  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167   1229.9233    683.78  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250   1234.7742    704.34  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333   1239.8009    729.89  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417   1244.9907    753.55  .    Q    .     V   .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500   1250.3286    775.06  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583   1255.8047    795.13  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667   1261.4015    812.66  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750   1267.1027    827.81  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833   1272.9039    842.35  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917   1278.8091    857.42  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000   1284.8265    873.74  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083   1290.9620    890.88  .     Q   .      V  .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167   1297.2156    908.02  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250   1303.5823    924.44  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333   1310.0590    940.41  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417   1316.6448    956.26  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500   1323.3420    972.44  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583   1330.1512    988.70  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  13.583)
109.667   1337.0710   1004.75  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750   1344.0973   1020.22  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833   1351.2295   1035.59  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917   1358.4692   1051.20  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  13.917)
110.000   1365.8219   1067.60  .       Q .       V .         .         .
(PEAK DAY 1, HOUR  14.000)
110.083   1373.2968   1085.34  .       Q .       V .         .         .
(PEAK DAY 1, HOUR  14.083)
110.167   1380.9169   1106.44  .       Q .       V .         .         .
(PEAK DAY 1, HOUR  14.167)
110.250   1388.7072   1131.16  .       Q .       V .         .         .
(PEAK DAY 1, HOUR  14.250)
110.333   1396.6881   1158.83  .        Q.       V .         .         .
(PEAK DAY 1, HOUR  14.333)
110.417   1404.8588   1186.37  .        Q.       V .         .         .
(PEAK DAY 1, HOUR  14.417)
110.500   1413.2201   1214.06  .        Q.       V .         .         .
(PEAK DAY 1, HOUR  14.500)
110.583   1421.7773   1242.50  .        Q.       V .         .         .
(PEAK DAY 1, HOUR  14.583)
110.667   1430.5383   1272.10  .        Q.       V .         .         .
(PEAK DAY 1, HOUR  14.667)
110.750   1439.5120   1302.97  .         Q       V .         .         .
(PEAK DAY 1, HOUR  14.750)
110.833   1448.7173   1336.61  .         Q        V.         .         .
(PEAK DAY 1, HOUR  14.833)
110.917   1458.1774   1373.60  .         Q        V.         .         .
(PEAK DAY 1, HOUR  14.917)
111.000   1467.9231   1415.07  .         .Q       V.         .         .
(PEAK DAY 1, HOUR  15.000)
111.083   1477.9825   1460.64  .         .Q       V.         .         .
(PEAK DAY 1, HOUR  15.083)
111.167   1488.3878   1510.85  .         .Q       V.         .         .
(PEAK DAY 1, HOUR  15.167)
111.250   1499.1689   1565.42  .         . Q      V.         .         .
(PEAK DAY 1, HOUR  15.250)
111.333   1510.3667   1625.91  .         . Q      V.         .         .
(PEAK DAY 1, HOUR  15.333)
111.417   1521.9977   1688.82  .         .  Q      V         .         .
(PEAK DAY 1, HOUR  15.417)
111.500   1534.0171   1745.21  .         .  Q      V         .         .
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 (PEAK DAY 1, HOUR  15.500)
111.583   1546.3597   1792.16  .         .   Q     V         .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1559.0183   1838.02  .         .   Q     V         .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1572.1199   1902.36  .         .   Q     V         .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1585.8710   1996.65  .         .    Q    V         .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1600.5581   2132.58  .         .     Q   .V        .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1616.7543   2351.68  .         .       Q .V        .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1635.8932   2778.98  .         .         .Q        .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1660.6661   3597.03  .         .         .V      Q .         .
 (PEAK DAY 1, HOUR  16.167)
112.250   1691.3634   4457.24  .         .         . V       .   Q     .
 (PEAK DAY 1, HOUR  16.250)
112.333   1725.9945   5028.44  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  16.333)
112.417   1759.9886   4935.95  .         .         .  V      .       Q .
 (PEAK DAY 1, HOUR  16.417)
112.500   1792.5060   4721.51  .         .         .  V      .      Q  .
 (PEAK DAY 1, HOUR  16.500)
112.583   1822.9155   4415.47  .         .         .   V     .   Q     .
 (PEAK DAY 1, HOUR  16.583)
112.667   1849.6034   3875.08  .         .         .   V     Q         .
 (PEAK DAY 1, HOUR  16.667)
112.750   1872.4366   3315.39  .         .         .   V Q   .         .
 (PEAK DAY 1, HOUR  16.750)
112.833   1892.4153   2900.90  .         .         . Q V     .         .
 (PEAK DAY 1, HOUR  16.833)
112.917   1910.3522   2604.44  .         .         Q    V    .         .
 (PEAK DAY 1, HOUR  16.917)
113.000   1926.7867   2386.30  .         .       Q .    V    .         .
 (PEAK DAY 1, HOUR  17.000)
113.083   1942.1451   2230.04  .         .      Q  .    V    .         .
 (PEAK DAY 1, HOUR  17.083)
113.167   1956.7161   2115.69  .         .     Q   .    V    .         .
 (PEAK DAY 1, HOUR  17.167)
113.250   1970.6550   2023.94  .         .    Q    .    V    .         .
 (PEAK DAY 1, HOUR  17.250)
113.333   1984.0261   1941.48  .         .    Q    .     V   .         .
 (PEAK DAY 1, HOUR  17.333)
113.417   1996.9121   1871.04  .         .   Q     .     V   .         .
 (PEAK DAY 1, HOUR  17.417)
113.500   2009.4117   1814.95  .         .   Q     .     V   .         .
 (PEAK DAY 1, HOUR  17.500)
113.583   2021.6106   1771.27  .         .  Q      .     V   .         .
 (PEAK DAY 1, HOUR  17.583)
113.667   2033.5752   1737.25  .         .  Q      .     V   .         .
 (PEAK DAY 1, HOUR  17.667)
113.750   2045.3516   1709.93  .         .  Q      .     V   .         .
 (PEAK DAY 1, HOUR  17.750)
113.833   2056.9653   1686.33  .         .  Q      .      V  .         .
 (PEAK DAY 1, HOUR  17.833)
113.917   2068.4341   1665.27  .         .  Q      .      V  .         .
 (PEAK DAY 1, HOUR  17.917)
114.000   2079.7683   1645.74  .         . Q       .      V  .         .
 (PEAK DAY 1, HOUR  18.000)
114.083   2090.9629   1625.45  .         . Q       .      V  .         .
 (PEAK DAY 1, HOUR  18.083)
114.167   2101.9897   1601.09  .         . Q       .      V  .         .
 (PEAK DAY 1, HOUR  18.167)
114.250   2112.8157   1571.94  .         . Q       .      V  .         .
 (PEAK DAY 1, HOUR  18.250)
114.333   2123.4170   1539.29  .         . Q       .      V  .         .
 (PEAK DAY 1, HOUR  18.333)
114.417   2133.8167   1510.01  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  18.417)
114.500   2144.0491   1485.75  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  18.500)
114.583   2154.1340   1464.34  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  18.583)
114.667   2164.0874   1445.24  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  18.667)
114.750   2173.9275   1428.78  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  18.750)
114.833   2183.6729   1415.01  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  18.833)
114.917   2193.3376   1403.32  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  18.917)
115.000   2202.9275   1392.46  .         Q         .       V.         .
 (PEAK DAY 1, HOUR  19.000)
115.083   2212.4460   1382.08  .         Q         .       V.         .
 (PEAK DAY 1, HOUR  19.083)
115.167   2221.9009   1372.85  .         Q         .       V.         .
 (PEAK DAY 1, HOUR  19.167)
115.250   2231.2996   1364.67  .         Q         .       V.         .
 (PEAK DAY 1, HOUR  19.250)
115.333   2240.6458   1357.05  .         Q         .       V.         .
 (PEAK DAY 1, HOUR  19.333)
115.417   2249.9429   1349.95  .         Q         .       V.         .
 (PEAK DAY 1, HOUR  19.417)
115.500   2259.1941   1343.29  .         Q         .       V.         .
 (PEAK DAY 1, HOUR  19.500)
115.583   2268.4014   1336.88  .         Q         .       V.         .
 (PEAK DAY 1, HOUR  19.583)
115.667   2277.5645   1330.47  .         Q         .        V         .
 (PEAK DAY 1, HOUR  19.667)
115.750   2286.6851   1324.30  .         Q         .        V         .
 (PEAK DAY 1, HOUR  19.750)
115.833   2295.7644   1318.31  .         Q         .        V         .
 (PEAK DAY 1, HOUR  19.833)
115.917   2304.8015   1312.18  .         Q         .        V         .
 (PEAK DAY 1, HOUR  19.917)
116.000   2313.7952   1305.90  .         Q         .        V         .
 (PEAK DAY 1, HOUR  20.000)
116.083   2322.7471   1299.81  .         Q         .        V         .
 (PEAK DAY 1, HOUR  20.083)
116.167   2331.6597   1294.10  .         Q         .        V         .
 (PEAK DAY 1, HOUR  20.167)
116.250   2340.5349   1288.70  .         Q         .        V         .
 (PEAK DAY 1, HOUR  20.250)
116.333   2349.3743   1283.47  .         Q         .        V         .
 (PEAK DAY 1, HOUR  20.333)
116.417   2358.1780   1278.31  .         Q         .        .V        .
 (PEAK DAY 1, HOUR  20.417)
116.500   2366.9443   1272.86  .       Q.          .        .V        .
 (PEAK DAY 1, HOUR  20.500)
116.583   2375.6731   1267.43  .       Q.          .        .V        .
 (PEAK DAY 1, HOUR  20.583)
116.667   2384.3674   1262.40  .       Q.          .        .V        .
 (PEAK DAY 1, HOUR  20.667)
116.750   2393.0293   1257.71  .       Q.          .        .V        .
 (PEAK DAY 1, HOUR  20.750)
116.833   2401.6602   1253.20  .       Q.          .        .V        .
 (PEAK DAY 1, HOUR  20.833)
116.917   2410.2607   1248.80  .       Q.          .        .V        .
 (PEAK DAY 1, HOUR  20.917)
117.000   2418.8313   1244.45  .       Q.          .        .V        .
 (PEAK DAY 1, HOUR  21.000)
117.083   2427.3721   1240.13  .       Q.          .         . V      .
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(PEAK DAY 1, HOUR 21.083)
117.167 2435.8838 1235.91 . Q. . . V .
(PEAK DAY 1, HOUR 21.167)
117.250 2444.3674 1231.82 . Q. . . V .
(PEAK DAY 1, HOUR 21.250)
117.333 2452.8232 1227.79 . Q. . . V .
(PEAK DAY 1, HOUR 21.333)
117.417 2461.2520 1223.84 . Q. . . V .
(PEAK DAY 1, HOUR 21.417)
117.500 2469.6541 1219.99 . Q. . . V .
(PEAK DAY 1, HOUR 21.500)
117.583 2478.0303 1216.23 . Q. . . V .
(PEAK DAY 1, HOUR 21.583)
117.667 2486.3811 1212.54 . Q. . . V .
(PEAK DAY 1, HOUR 21.667)
117.750 2494.7070 1208.91 . Q. . . V .
(PEAK DAY 1, HOUR 21.750)
117.833 2503.0083 1205.33 . Q. . . V .
(PEAK DAY 1, HOUR 21.833)
117.917 2511.2852 1201.79 . Q. . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 2519.5378 1198.29 . Q. . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 2527.7666 1194.83 . Q. . . V .
(PEAK DAY 1, HOUR 22.083)
118.167 2535.9719 1191.40 . Q. . . V .
(PEAK DAY 1, HOUR 22.167)
118.250 2544.1538 1188.00 . Q. . . V .
(PEAK DAY 1, HOUR 22.250)
118.333 2552.3125 1184.64 . Q. . . V .
(PEAK DAY 1, HOUR 22.333)
118.417 2560.4480 1181.27 . Q. . . V .
(PEAK DAY 1, HOUR 22.417)
118.500 2568.5588 1177.69 . Q. . . V .
(PEAK DAY 1, HOUR 22.500)
118.583 2576.6416 1173.61 . Q. . . V .
(PEAK DAY 1, HOUR 22.583)
118.667 2584.6924 1168.98 . Q. . . V .
(PEAK DAY 1, HOUR 22.667)
118.750 2592.7090 1164.02 . Q. . . V .
(PEAK DAY 1, HOUR 22.750)
118.833 2600.6907 1158.93 . Q. . . V .
(PEAK DAY 1, HOUR 22.833)
118.917 2608.6372 1153.82 . Q. . . V .
(PEAK DAY 1, HOUR 22.917)
119.000 2616.5486 1148.72 . Q. . . V .
(PEAK DAY 1, HOUR 23.000)
119.083 2624.4248 1143.64 . Q . . . V .
(PEAK DAY 1, HOUR 23.083)
119.167 2632.2664 1138.59 . Q . . . V .
(PEAK DAY 1, HOUR 23.167)
119.250 2640.0732 1133.58 . Q . . . V .
(PEAK DAY 1, HOUR 23.250)
119.333 2647.8459 1128.59 . Q . . . V .
(PEAK DAY 1, HOUR 23.333)
119.417 2655.5845 1123.63 . Q . . . V .
(PEAK DAY 1, HOUR 23.417)
119.500 2663.2891 1118.69 . Q . . . V .
(PEAK DAY 1, HOUR 23.500)
119.583 2670.9595 1113.75 . Q . . . V .
(PEAK DAY 1, HOUR 23.583)
119.667 2678.5957 1108.78 . Q . . . V .
(PEAK DAY 1, HOUR 23.667)
119.750 2686.1975 1103.79 . Q . . . V .
(PEAK DAY 1, HOUR 23.750)
119.833 2693.7651 1098.80 . Q . . . V .
(PEAK DAY 1, HOUR 23.833)
119.917 2701.2983 1093.83 . Q . . . V .
(PEAK DAY 1, HOUR 23.917)
120.000 2708.7976 1088.89 . Q . . . V .
(PEAK DAY 1, HOUR 24.000)
120.083 2716.2559 1082.95 . Q . . . V .
(PEAK DAY 1, HOUR 24.083)
120.167 2723.6433 1072.66 . Q . . . V .
(PEAK DAY 1, HOUR 24.167)
120.250 2730.9219 1056.85 . Q . . . V .
(PEAK DAY 1, HOUR 24.250)
120.333 2738.0608 1036.57 . Q . . . V .
(PEAK DAY 1, HOUR 24.333)
120.417 2745.0637 1016.83 . Q . . . V .
(PEAK DAY 1, HOUR 24.417)
120.500 2751.9358 997.81 . Q . . . V .
(PEAK DAY 1, HOUR 24.500)
120.583 2758.6836 979.78 . Q . . . V .
(PEAK DAY 1, HOUR 24.583)
120.667 2765.3289 964.89 . Q . . . V .
(PEAK DAY 1, HOUR 24.667)
120.750 2771.8948 953.36 . Q . . . V .
(PEAK DAY 1, HOUR 24.750)
120.833 2778.3965 944.04 . Q . . . V .
(PEAK DAY 1, HOUR 24.833)
120.917 2784.8435 936.12 . Q . . . V .
(PEAK DAY 1, HOUR 24.917)
121.000 2791.2424 929.13 . Q . . . V .
(PEAK DAY 1, HOUR 25.000)
121.083 2797.5967 922.65 . Q . . . V .
(PEAK DAY 1, HOUR 25.083)
121.167 2803.9080 916.41 . Q . . . V .
(PEAK DAY 1, HOUR 25.167)
121.250 2810.1772 910.31 . Q . . . V .
(PEAK DAY 1, HOUR 25.250)
121.333 2816.4055 904.36 . Q . . . V .
(PEAK DAY 1, HOUR 25.333)
121.417 2822.5938 898.55 . Q . . . V .
(PEAK DAY 1, HOUR 25.417)
121.500 2828.7427 892.82 . Q . . . V .
(PEAK DAY 1, HOUR 25.500)
121.583 2834.8523 887.10 . Q . . . V .
(PEAK DAY 1, HOUR 25.583)
121.667 2840.9221 881.32 . Q . . . V .
(PEAK DAY 1, HOUR 25.667)
121.750 2846.9517 875.50 . Q . . . V .
(PEAK DAY 1, HOUR 25.750)
121.833 2852.9412 869.67 . Q . . . V .
(PEAK DAY 1, HOUR 25.833)
121.917 2858.8906 863.85 . Q . . . V .
(PEAK DAY 1, HOUR 25.917)
122.000 2864.8003 858.07 . Q . . . V .
(PEAK DAY 1, HOUR 26.000)
122.083 2870.6704 852.33 . Q . . . V .
(PEAK DAY 1, HOUR 26.083)
122.167 2876.5012 846.63 . Q . . . V .
(PEAK DAY 1, HOUR 26.167)
122.250 2882.2930 840.97 . Q . . . V .
(PEAK DAY 1, HOUR 26.250)
122.333 2888.0457 835.30 . Q . . . V .
(PEAK DAY 1, HOUR 26.333)
122.417 2893.7583 829.47 . Q . . . V .
(PEAK DAY 1, HOUR 26.417)
122.500 2899.4285 823.31 . Q . . . V .
(PEAK DAY 1, HOUR 26.500)
122.583 2905.0540 816.83 . Q . . . V .
(PEAK DAY 1, HOUR 26.583)
122.667 2910.6338 810.19 . Q . . . V .

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 (PEAK DAY 1, HOUR  26.667)
 122.750   2916.1677    803.52  .     Q   .         .         .      V .
 (PEAK DAY 1, HOUR  26.750)
 122.833   2921.6560    796.88  .     Q   .         .         .      V .
 (PEAK DAY 1, HOUR  26.833)
 122.917   2927.0989    790.29  .     Q   .         .         .      V .
 (PEAK DAY 1, HOUR  26.917)
 123.000   2932.4966    783.76  .     Q   .         .         .      V .
 (PEAK DAY 1, HOUR  27.000)
 123.083   2937.8494    777.23  .     Q   .         .         .      V .
 (PEAK DAY 1, HOUR  27.083)
 123.167   2943.1541    770.26  .     Q   .         .         .      V .
 (PEAK DAY 1, HOUR  27.167)
 123.250   2948.4023    762.06  .    Q    .         .         .      V .
 (PEAK DAY 1, HOUR  27.250)
 123.333   2953.5837    752.33  .    Q    .         .         .      V .
 (PEAK DAY 1, HOUR  27.333)
 123.417   2958.6904    741.49  .    Q    .         .         .       V.
 (PEAK DAY 1, HOUR  27.417)
 123.500   2963.7190    730.16  .    Q    .         .         .       V.
 (PEAK DAY 1, HOUR  27.500)
 123.583   2968.6687    718.71  .    Q    .         .         .       V.
 (PEAK DAY 1, HOUR  27.583)
 123.667   2973.5388    707.13  .    Q    .         .         .       V.
 (PEAK DAY 1, HOUR  27.667)
 123.750   2978.3267    695.20  .    Q    .         .         .       V.
 (PEAK DAY 1, HOUR  27.750)
 123.833   2983.0298    682.91  .    Q    .         .         .       V.
 (PEAK DAY 1, HOUR  27.833)
 123.917   2987.6475    670.47  .    Q    .         .         .       V.
 (PEAK DAY 1, HOUR  27.917)
 124.000   2992.1797    658.09  .    Q    .         .         .       V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
============================================================================


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  FLOW PROCESS FROM NODE   6371.00 TO NODE   6395.00 IS CODE = 5.2
----------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6961.5 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   35.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     220.00
           DOWNSTREAM ELEVATION(FT) =     213.00
           CHANNEL LENGTH(FT) =     959.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  5028.44
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  3875.49
           CHANNEL NORMAL VELOCITY FOR Q =  3875.49 CFS =  10.70 FPS
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           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.863

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.997


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	88.91	89.08	89.08
1	0.083	96.083	89.03	89.00	89.00
1	0.167	96.167	92.58	91.66	91.66
1	0.250	96.250	100.45	98.40	98.40
1	0.333	96.333	111.90	108.91	108.91
1	0.417	96.417	123.31	120.34	120.34
1	0.500	96.500	135.25	132.13	132.13
1	0.583	96.583	148.27	144.88	144.88
1	0.667	96.667	161.31	157.91	157.91
1	0.750	96.750	174.97	171.41	171.41
1	0.833	96.833	192.01	187.56	187.56
1	0.917	96.917	213.44	207.85	207.85
1	1.000	97.000	235.71	229.90	229.90
1	1.083	97.083	254.44	249.55	249.55
1	1.167	97.167	268.63	264.92	264.92
1	1.250	97.250	279.43	276.61	276.61
1	1.333	97.333	288.00	285.76	285.76
1	1.417	97.417	295.10	293.25	293.25
1	1.500	97.500	301.18	299.60	299.60
1	1.583	97.583	306.50	305.11	305.11
1	1.667	97.667	311.20	309.98	309.98
1	1.750	97.750	315.43	314.33	314.33
1	1.833	97.833	319.29	318.28	318.28
1	1.917	97.917	322.82	321.90	321.90
1	2.000	98.000	326.05	325.20	325.20
1	2.083	98.083	328.99	328.22	328.22
1	2.167	98.167	331.67	330.97	330.97
1	2.250	98.250	334.11	333.48	333.48
1	2.333	98.333	336.39	335.80	335.80
1	2.417	98.417	338.50	337.95	337.95
1	2.500	98.500	340.39	339.89	339.89
1	2.583	98.583	342.06	341.63	341.63
1	2.667	98.667	343.62	343.21	343.21
1	2.750	98.750	345.11	344.72	344.72
1	2.833	98.833	346.59	346.21	346.21
1	2.917	98.917	348.07	347.68	347.68
1	3.000	99.000	349.55	349.16	349.16
1	3.083	99.083	351.03	350.65	350.65
1	3.167	99.167	352.53	352.14	352.14
1	3.250	99.250	354.03	353.64	353.64
1	3.333	99.333	355.54	355.15	355.15
1	3.417	99.417	357.07	356.67	356.67
1	3.500	99.500	358.61	358.21	358.21
1	3.583	99.583	360.17	359.76	359.76
1	3.667	99.667	361.74	361.33	361.33
1	3.750	99.750	363.32	362.91	362.91
1	3.833	99.833	364.93	364.51	364.51
1	3.917	99.917	366.54	366.12	366.12
1	4.000	100.000	368.17	367.74	367.74
1	4.083	100.083	369.81	369.38	369.38
1	4.167	100.167	371.47	371.04	371.04
1	4.250	100.250	373.13	372.69	372.69
1	4.333	100.333	374.77	374.34	374.34
1	4.417	100.417	376.38	375.96	375.96
1	4.500	100.500	377.98	377.57	377.57
1	4.583	100.583	379.59	379.17	379.17

1	4.667	100.667	381.20	380.78	380.78
1	4.750	100.750	382.83	382.40	382.40
1	4.833	100.833	384.48	384.05	384.05
1	4.917	100.917	386.14	385.70	385.70
1	5.000	101.000	387.82	387.38	387.38
1	5.083	101.083	389.52	389.08	389.08
1	5.167	101.167	391.25	390.80	390.80
1	5.250	101.250	392.98	392.53	392.53
1	5.333	101.333	394.75	394.29	394.29
1	5.417	101.417	396.53	396.06	396.06
1	5.500	101.500	398.33	397.86	397.86
1	5.583	101.583	400.15	399.68	399.68
1	5.667	101.667	402.00	401.52	401.52
1	5.750	101.750	403.87	403.38	403.38
1	5.833	101.833	405.76	405.27	405.27
1	5.917	101.917	407.67	407.17	407.17
1	6.000	102.000	409.61	409.11	409.11
1	6.083	102.083	411.57	411.06	411.06
1	6.167	102.167	413.56	413.05	413.05
1	6.250	102.250	415.57	415.05	415.05
1	6.333	102.333	417.61	417.08	417.08
1	6.417	102.417	419.68	419.14	419.14
1	6.500	102.500	421.77	421.22	421.22
1	6.583	102.583	423.88	423.33	423.33
1	6.667	102.667	426.03	425.47	425.47
1	6.750	102.750	428.21	427.64	427.64
1	6.833	102.833	430.41	429.84	429.84
1	6.917	102.917	432.64	432.06	432.06
1	7.000	103.000	434.91	434.32	434.32
1	7.083	103.083	437.20	436.60	436.60
1	7.167	103.167	439.53	438.92	438.92
1	7.250	103.250	441.89	441.27	441.27
1	7.333	103.333	444.29	443.66	443.66
1	7.417	103.417	446.71	446.08	446.08
1	7.500	103.500	449.18	448.53	448.53
1	7.583	103.583	451.67	451.02	451.02
1	7.667	103.667	454.21	453.55	453.55
1	7.750	103.750	456.78	456.11	456.11
1	7.833	103.833	459.39	458.71	458.71
1	7.917	103.917	462.04	461.35	461.35
1	8.000	104.000	464.73	464.03	464.03
1	8.083	104.083	467.46	466.75	466.75
1	8.167	104.167	470.23	469.51	469.51
1	8.250	104.250	473.05	472.31	472.31
1	8.333	104.333	475.91	475.17	475.17
1	8.417	104.417	478.82	478.06	478.06
1	8.500	104.500	481.78	481.00	481.00
1	8.583	104.583	484.77	483.99	483.99
1	8.667	104.667	487.83	487.03	487.03
1	8.750	104.750	490.93	490.12	490.12
1	8.833	104.833	494.09	493.26	493.26
1	8.917	104.917	497.29	496.45	496.45
1	9.000	105.000	500.56	499.70	499.70
1	9.083	105.083	503.87	503.01	503.01
1	9.167	105.167	507.25	506.37	506.37
1	9.250	105.250	510.68	509.79	509.79
1	9.333	105.333	514.18	513.27	513.27
1	9.417	105.417	517.74	516.81	516.81
1	9.500	105.500	521.37	520.42	520.42
1	9.583	105.583	525.06	524.10	524.10
1	9.667	105.667	528.83	527.84	527.84
1	9.750	105.750	532.66	531.66	531.66
1	9.833	105.833	536.57	535.55	535.55
1	9.917	105.917	540.55	539.51	539.51
1	10.000	106.000	544.61	543.55	543.55
1	10.083	106.083	548.75	547.67	547.67
1	10.167	106.167	552.98	551.88	551.88
1	10.250	106.250	557.29	556.17	556.17
1	10.333	106.333	561.70	560.55	560.55
1	10.417	106.417	566.18	565.01	565.01
1	10.500	106.500	570.78	569.58	569.58
1	10.583	106.583	575.46	574.24	574.24
1	10.667	106.667	580.25	579.00	579.00
1	10.750	106.750	585.14	583.87	583.87
1	10.833	106.833	590.16	588.85	588.85
1	10.917	106.917	595.27	593.93	593.93
1	11.000	107.000	600.51	599.14	599.14
1	11.083	107.083	605.86	604.46	604.46
1	11.167	107.167	611.32	609.90	609.90
1	11.250	107.250	616.68	615.28	615.28
1	11.333	107.333	621.63	620.34	620.34
1	11.417	107.417	626.05	624.89	624.89
1	11.500	107.500	630.26	629.16	629.16
1	11.583	107.583	634.63	633.49	633.49
1	11.667	107.667	639.39	638.15	638.15
1	11.750	107.750	644.54	643.20	643.20
1	11.833	107.833	650.11	648.66	648.66
1	11.917	107.917	656.02	654.48	654.48
1	12.000	108.000	662.28	660.65	660.65
1	12.083	108.083	670.13	668.08	668.08
1	12.167	108.167	683.78	680.22	680.22
1	12.250	108.250	704.34	698.98	698.98
1	12.333	108.333	729.89	723.23	723.23
1	12.417	108.417	753.55	747.38	747.38
1	12.500	108.500	775.06	769.45	769.45
1	12.583	108.583	795.13	789.89	789.89
1	12.667	108.667	812.66	808.09	808.09
1	12.750	108.750	827.81	823.86	823.86
1	12.833	108.833	842.35	838.56	838.56
1	12.917	108.917	857.42	853.49	853.49
1	13.000	109.000	873.74	869.49	869.49
1	13.083	109.083	890.88	886.41	886.41
1	13.167	109.167	908.02	903.54	903.54
1	13.250	109.250	924.44	920.16	920.16
1	13.333	109.333	940.41	936.25	936.25
1	13.417	109.417	956.26	952.13	952.13
1	13.500	109.500	972.44	968.22	968.22
1	13.583	109.583	988.70	984.46	984.46
1	13.667	109.667	1004.75	1000.56	1000.56
1	13.750	109.750	1020.22	1016.18	1016.18
1	13.833	109.833	1035.59	1031.58	1031.58
1	13.917	109.917	1051.20	1047.13	1047.13
1	14.000	110.000	1067.60	1063.33	1063.33
1	14.083	110.083	1085.34	1080.72	1080.72
1	14.167	110.167	1106.44	1100.94	1100.94
1	14.250	110.250	1131.16	1124.71	1124.71
1	14.333	110.333	1158.83	1151.62	1151.62
1	14.417	110.417	1186.37	1179.19	1179.19
1	14.500	110.500	1214.06	1206.84	1206.84
1	14.583	110.583	1242.50	1235.09	1235.09
1	14.667	110.667	1272.10	1264.38	1264.38
1	14.750	110.750	1302.97	1294.92	1294.92
1	14.833	110.833	1336.61	1327.84	1327.84
1	14.917	110.917	1373.60	1363.96	1363.96
1	15.000	111.000	1415.07	1404.26	1404.26
1	15.083	111.083	1460.64	1448.76	1448.76
1	15.167	111.167	1510.85	1497.75	1497.75
1	15.250	111.250	1565.42	1551.19	1551.19
1	15.333	111.333	1625.91	1610.14	1610.14
1	15.417	111.417	1688.82	1672.41	1672.41
1	15.500	111.500	1745.21	1730.50	1730.50
1	15.583	111.583	1792.16	1779.91	1779.91
1	15.667	111.667	1838.02	1826.06	1826.06
1	15.750	111.750	1902.36	1885.59	1885.59

1	15.833	111.833	1996.65	1972.08	1972.08
1	15.917	111.917	2132.58	2097.16	2097.16
1	16.000	112.000	2351.68	2294.60	2294.60
1	16.083	112.083	2778.98	2667.69	2667.69
1	16.167	112.167	3597.03	3383.97	3383.97
1	16.250	112.250	4457.24	4232.91	4232.91
1	16.333	112.333	5028.44	4879.23	4879.23
1	16.417	112.417	4935.95	4959.55	4959.55
1	16.500	112.500	4721.51	4777.34	4777.34
1	16.583	112.583	4415.47	4495.22	4495.22
1	16.667	112.667	3875.08	4015.84	4015.84
1	16.750	112.750	3315.39	3461.35	3461.35
1	16.833	112.833	2900.90	3009.13	3009.13
1	16.917	112.917	2604.44	2681.86	2681.86
1	17.000	113.000	2386.30	2443.26	2443.26
1	17.083	113.083	2230.04	2270.84	2270.84
1	17.167	113.167	2115.69	2145.55	2145.55
1	17.250	113.250	2023.94	2047.89	2047.89
1	17.333	113.333	1941.48	1963.00	1963.00
1	17.417	113.417	1871.04	1889.42	1889.42
1	17.500	113.500	1814.95	1829.59	1829.59
1	17.583	113.583	1771.27	1782.67	1782.67
1	17.667	113.667	1737.25	1746.13	1746.13
1	17.750	113.750	1709.93	1717.06	1717.06
1	17.833	113.833	1686.33	1692.49	1692.49
1	17.917	113.917	1665.27	1670.77	1670.77
1	18.000	114.000	1645.74	1650.83	1650.83
1	18.083	114.083	1625.45	1630.74	1630.74
1	18.167	114.167	1601.09	1607.44	1607.44
1	18.250	114.250	1571.94	1579.54	1579.54
1	18.333	114.333	1539.29	1547.81	1547.81
1	18.417	114.417	1510.01	1517.65	1517.65
1	18.500	114.500	1485.75	1492.08	1492.08
1	18.583	114.583	1464.34	1469.93	1469.93
1	18.667	114.667	1445.24	1450.23	1450.23
1	18.750	114.750	1428.78	1433.07	1433.07
1	18.833	114.833	1415.01	1418.60	1418.60
1	18.917	114.917	1403.32	1406.37	1406.37
1	19.000	115.000	1392.46	1395.29	1395.29
1	19.083	115.083	1382.08	1384.79	1384.79
1	19.167	115.167	1372.85	1375.26	1375.26
1	19.250	115.250	1364.67	1366.81	1366.81
1	19.333	115.333	1357.05	1359.04	1359.04
1	19.417	115.417	1349.95	1351.80	1351.80
1	19.500	115.500	1343.29	1345.02	1345.02
1	19.583	115.583	1336.88	1338.55	1338.55
1	19.667	115.667	1330.47	1332.14	1332.14
1	19.750	115.750	1324.30	1325.91	1325.91
1	19.833	115.833	1318.31	1319.87	1319.87
1	19.917	115.917	1312.18	1313.78	1313.78
1	20.000	116.000	1305.90	1307.54	1307.54
1	20.083	116.083	1299.81	1301.39	1301.39
1	20.167	116.167	1294.10	1295.59	1295.59
1	20.250	116.250	1288.70	1290.11	1290.11
1	20.333	116.333	1283.47	1284.84	1284.84
1	20.417	116.417	1278.31	1279.66	1279.66
1	20.500	116.500	1272.86	1274.28	1274.28
1	20.583	116.583	1267.43	1268.85	1268.85
1	20.667	116.667	1262.40	1263.71	1263.71
1	20.750	116.750	1257.71	1258.93	1258.93
1	20.833	116.833	1253.20	1254.38	1254.38
1	20.917	116.917	1248.80	1249.94	1249.94
1	21.000	117.000	1244.45	1245.58	1245.58
1	21.083	117.083	1240.13	1241.25	1241.25
1	21.167	117.167	1235.91	1237.01	1237.01
1	21.250	117.250	1231.82	1232.88	1232.88
1	21.333	117.333	1227.79	1228.84	1228.84
1	21.417	117.417	1223.84	1224.87	1224.87
1	21.500	117.500	1219.99	1220.99	1220.99
1	21.583	117.583	1216.23	1217.21	1217.21
1	21.667	117.667	1212.54	1213.50	1213.50
1	21.750	117.750	1208.91	1209.86	1209.86
1	21.833	117.833	1205.33	1206.27	1206.27
1	21.917	117.917	1201.79	1202.72	1202.72
1	22.000	118.000	1198.29	1199.20	1199.20
1	22.083	118.083	1194.83	1195.73	1195.73
1	22.167	118.167	1191.40	1192.29	1192.29
1	22.250	118.250	1188.00	1188.89	1188.89
1	22.333	118.333	1184.64	1185.52	1185.52
1	22.417	118.417	1181.27	1182.15	1182.15
1	22.500	118.500	1177.69	1178.62	1178.62
1	22.583	118.583	1173.61	1174.67	1174.67
1	22.667	118.667	1168.98	1170.19	1170.19
1	22.750	118.750	1164.02	1165.32	1165.32
1	22.833	118.833	1158.93	1160.26	1160.26
1	22.917	118.917	1153.82	1155.15	1155.15
1	23.000	119.000	1148.72	1150.05	1150.05
1	23.083	119.083	1143.64	1144.96	1144.96
1	23.167	119.167	1138.59	1139.91	1139.91
1	23.250	119.250	1133.58	1134.88	1134.88
1	23.333	119.333	1128.59	1129.89	1129.89
1	23.417	119.417	1123.63	1124.93	1124.93
1	23.500	119.500	1118.69	1119.98	1119.98
1	23.583	119.583	1113.75	1115.04	1115.04
1	23.667	119.667	1108.78	1110.08	1110.08
1	23.750	119.750	1103.79	1105.09	1105.09
1	23.833	119.833	1098.80	1100.11	1100.11
1	23.917	119.917	1093.83	1095.13	1095.13
1	24.000	120.000	1088.89	1090.18	1090.18
1	24.083	120.083	1082.95	1084.50	1084.50
1	24.167	120.167	1072.66	1075.34	1075.34
1	24.250	120.250	1056.85	1060.97	1060.97
1	24.333	120.333	1036.57	1041.85	1041.85
1	24.417	120.417	1016.83	1021.98	1021.98
1	24.500	120.500	997.81	1002.77	1002.77
1	24.583	120.583	979.78	984.49	984.49
1	24.667	120.667	964.89	968.78	968.78
1	24.750	120.750	953.36	956.37	956.37
1	24.833	120.833	944.04	946.47	946.47
1	24.917	120.917	936.12	938.19	938.19
1	25.000	121.000	929.13	930.96	930.96
1	25.083	121.083	922.65	924.34	924.34
1	25.167	121.167	916.41	918.04	918.04
1	25.250	121.250	910.31	911.90	911.90
1	25.333	121.333	904.36	905.91	905.91
1	25.417	121.417	898.55	900.06	900.06
1	25.500	121.500	892.82	894.32	894.32
1	25.583	121.583	887.10	888.59	888.59
1	25.667	121.667	881.32	882.83	882.83
1	25.750	121.750	875.50	877.02	877.02
1	25.833	121.833	869.67	871.19	871.19
1	25.917	121.917	863.85	865.37	865.37
1	26.000	122.000	858.07	859.58	859.58
1	26.083	122.083	852.33	853.83	853.83
1	26.167	122.167	846.63	848.12	848.12
1	26.250	122.250	840.97	842.44	842.44
1	26.333	122.333	835.30	836.77	836.77
1	26.417	122.417	829.47	830.99	830.99
1	26.500	122.500	823.31	824.92	824.92
1	26.583	122.583	816.83	818.52	818.52
1	26.667	122.667	810.19	811.92	811.92
1	26.750	122.750	803.52	805.26	805.26
1	26.833	122.833	796.88	798.61	798.61
1	26.917	122.917	790.29	792.01	792.01

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  1   27.000 123.000       783.76      785.47      785.47
  1   27.083 123.083       777.23      778.93      778.93
  1   27.167 123.167       770.26      772.08      772.08
  1   27.250 123.250       762.06      764.20      764.20
  1   27.333 123.333       752.33      754.87      754.87
  1   27.417 123.417       741.49      744.32      744.32
  1   27.500 123.500       730.16      733.11      733.11
  1   27.583 123.583       718.71      721.70      721.70
  1   27.667 123.667       707.13      710.15      710.15
  1   27.750 123.750       695.20      698.31      698.31
  1   27.833 123.833       682.91      686.11      686.11
  1   27.917 123.917       670.47      673.72      673.72
  1   28.000 124.000       658.09      661.32      661.32
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   3033.207 AF
    OUTFLOW VOLUME =   3033.198 AF
    LOSS    VOLUME =      0.000 AF
================================================================================



********************************************************************************
  FLOW PROCESS FROM NODE   6380.00 TO NODE   6395.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   329.6 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

     (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     329.600 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.330 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.150|   0.150|   0.150|   0.150|   0.150|
        | LOW LOSS FRACTION |   0.500|   0.750|   0.950|   0.990|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.985
         30-MINUTE FACTOR = 0.985
          1-HOUR FACTOR = 0.985
          3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  25.253


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                1.602               63.859
         2                7.797              246.932
         3               21.404              542.405
         4               39.370              716.138
         5               60.064              824.885
         6               75.891              630.876
         7               85.613              387.515
         8               91.167              221.417
         9               94.489              132.407
        10               96.293               71.884
        11               97.026               29.243
        12               97.665               25.478
        13               98.270               24.118
        14               98.850               23.087
        15               98.984                5.349
        16               99.089                4.176
        17               99.176                3.468
        18               99.236                2.391
        19               99.292                2.234
        20               99.345                2.124
        21               99.396                2.026
        22               99.445                1.965
        23               99.491                1.826
        24               99.536                1.815
        25               99.577                1.639
        26               99.617                1.559
        27               99.656                1.556
        28               99.690                1.365
        29               99.721                1.257
        30               99.753                1.257
        31               99.784                1.254
        32               99.812                1.082
        33               99.830                0.737
        34               99.848                0.724
        35               99.866                0.724
        36               99.885                0.724
        37               99.900                0.614
        38               99.906                0.230
        39               99.911                0.198
        40               99.916                0.197
        41               99.921                0.199
        42               99.926                0.197
        43               99.930                0.197
        44               99.935                0.198
        45               99.940                0.198
        46               99.945                0.197
        47               99.950                0.199
        48               99.955                0.197
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49	99.960	0.197
50	99.965	0.196
51	99.970	0.197
52	99.975	0.197
53	99.980	0.197
54	99.985	0.196
55	99.990	0.197
56	99.995	0.197
57	100.000	0.197
58	100.000	0.013

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 162.7269

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 154.7721

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	200.0	400.0	600.0	800.0
96.000	41.7912	3.86	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	41.8189	4.03	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	41.8518	4.78	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	41.8963	6.45	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	41.9561	8.68	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	42.0337	11.27	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	42.1251	13.26	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	42.2250	14.51	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	42.3300	15.24	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	42.4381	15.70	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	42.5482	15.98	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	42.6592	16.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	42.7712	16.26	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	42.8840	16.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	42.9978	16.51	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	43.1120	16.59	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	43.2267	16.66	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	43.3419	16.73	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	43.4576	16.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	43.5737	16.86	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	43.6902	16.92	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	43.8072	16.99	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	43.9247	17.06	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	44.0426	17.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	44.1610	17.19	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	44.2799	17.26	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	44.3992	17.33	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	44.5190	17.40	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	44.6393	17.46	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	44.7600	17.53	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	44.8812	17.60	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	45.0029	17.67	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	45.1251	17.74	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	45.2478	17.81	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	45.3710	17.88	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	45.4946	17.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	45.6188	18.03	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	45.7434	18.10	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	45.8686	18.17	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	45.9942	18.24	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	46.1204	18.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	46.2470	18.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	46.3742	18.47	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	46.5019	18.54	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	46.6301	18.62	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	46.7589	18.70	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	46.8882	18.77	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	47.0181	18.85	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	47.1484	18.93	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	47.2794	19.01	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	47.4109	19.09	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	47.5430	19.18	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	47.6756	19.26	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	47.8089	19.35	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	47.9427	19.43	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	48.0771	19.52	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	48.2121	19.60	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	48.3477	19.69	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	48.4840	19.78	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	48.6208	19.87	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	48.7583	19.96	Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	48.8964	20.05	.Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
 101.167     49.0351     20.15  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.167)
 101.250     49.1745     20.24  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.250)
 101.333     49.3146     20.34  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.333)
 101.417     49.4553     20.43  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.417)
 101.500     49.5967     20.53  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.500)
 101.583     49.7388     20.63  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.583)
 101.667     49.8815     20.73  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.667)
 101.750     50.0250     20.83  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.750)
 101.833     50.1692     20.93  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.833)
 101.917     50.3140     21.04  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.917)
 102.000     50.4596     21.14  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.000)
 102.083     50.6060     21.25  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.083)
 102.167     50.7531     21.36  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.167)
 102.250     50.9009     21.47  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.250)
 102.333     51.0495     21.58  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.333)
 102.417     51.1989     21.69  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.417)
 102.500     51.3491     21.80  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.500)
 102.583     51.5000     21.92  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.583)
 102.667     51.6518     22.04  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.667)
 102.750     51.8044     22.16  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.750)
 102.833     51.9578     22.28  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.833)
 102.917     52.1121     22.40  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.917)
 103.000     52.2672     22.52  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.000)
 103.083     52.4232     22.65  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.083)
 103.167     52.5800     22.78  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.167)
 103.250     52.7378     22.91  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.250)
 103.333     52.8965     23.04  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.333)
 103.417     53.0560     23.17  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.417)
 103.500     53.2166     23.31  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.500)
 103.583     53.3780     23.44  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.583)
 103.667     53.5404     23.58  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.667)
 103.750     53.7038     23.73  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.750)
 103.833     53.8682     23.87  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.833)
 103.917     54.0336     24.02  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.917)
 104.000     54.2001     24.16  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.000)
 104.083     54.3675     24.32  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.083)
 104.167     54.5361     24.47  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.167)
 104.250     54.7057     24.63  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.250)
 104.333     54.8764     24.78  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.333)
 104.417     55.0482     24.95  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.417)
 104.500     55.2211     25.11  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.500)
 104.583     55.3952     25.28  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.583)
 104.667     55.5705     25.45  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.667)
 104.750     55.7469     25.62  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.750)
 104.833     55.9246     25.80  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.833)
 104.917     56.1035     25.98  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.917)
 105.000     56.2836     26.16  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.000)
 105.083     56.4651     26.35  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.083)
 105.167     56.6478     26.53  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.167)
 105.250     56.8319     26.73  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.250)
 105.333     57.0173     26.92  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
 105.417     57.2041     27.13  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
 105.500     57.3923     27.33  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
 105.583     57.5820     27.54  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
 105.667     57.7731     27.75  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
 105.750     57.9657     27.97  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
 105.833     58.1598     28.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.833)
 105.917     58.3555     28.41  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.917)
 106.000     58.5528     28.64  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.000)
 106.083     58.7517     28.88  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.083)
 106.167     58.9523     29.12  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.167)
 106.250     59.1545     29.37  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.250)
 106.333     59.3585     29.62  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.333)
 106.417     59.5643     29.88  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
 106.500     59.7718     30.14  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
 106.583     59.9813     30.41  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
 106.667     60.1926     30.68  .Q        .    V    .         .         .
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 (PEAK DAY 1, HOUR  10.667)
106.750     60.4058     30.97  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833     60.6211     31.25  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917     60.8384     31.55  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000     61.0578     31.85  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083     61.2793     32.17  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167     61.5030     32.48  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250     61.7290     32.81  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333     61.9573     33.15  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417     62.1880     33.50  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500     62.4211     33.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583     62.6567     34.21  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667     62.8950     34.59  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750     63.1358     34.98  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833     63.3794     35.37  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917     63.6259     35.78  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000     63.8752     36.20  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083     64.1287     36.80  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167     64.3896     37.88  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250     64.6632     39.74  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333     64.9529     42.06  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417     65.2611     44.75  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500     65.5850     47.04  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583     65.9215     48.85  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667     66.2684     50.37  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750     66.6252     51.80  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833     66.9912     53.15  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917     67.3665     54.49  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000     67.7512     55.86  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083     68.1459     57.30  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167     68.5507     58.79  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250     68.9661     60.31  .  Q      .      V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333     69.3921     61.87  .  Q      .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417     69.8296     63.52  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500     70.2787     65.21  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583     70.7402     67.01  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667     71.2144     68.86  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750     71.7022     70.83  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833     72.2041     72.87  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917     72.7209     75.04  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000     73.2533     77.30  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083     73.8026     79.76  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167     74.3704     82.45  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250     74.9596     85.54  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333     75.5717     88.89  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417     76.2090     92.53  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500     76.8715     96.20  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583     77.5600     99.96  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667     78.2749    103.81  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750     79.0182    107.93  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833     79.7914    112.27  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917     80.5973    117.01  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000     81.4383    122.11  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.000)
111.083     82.3183    127.78  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.083)
111.167     83.2408    133.95  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.167)
111.250     84.2112    140.89  .      Q  .         .V        .         .
 (PEAK DAY 1, HOUR  15.250)
111.333     85.2343    148.56  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.333)
111.417     86.3140    156.77  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.417)
111.500     87.4461    164.38  .       Q .         . V       .         .
 (PEAK DAY 1, HOUR  15.500)
111.583     88.6237    170.99  .       Q .         . V       .         .
 (PEAK DAY 1, HOUR  15.583)
111.667     89.8487    177.87  .       Q .         .  V      .         .
 (PEAK DAY 1, HOUR  15.667)
111.750     91.1366    187.00  .        Q.         .  V      .         .
 (PEAK DAY 1, HOUR  15.750)
111.833     92.5291    202.19  .         Q         .  V      .         .
 (PEAK DAY 1, HOUR  15.833)
111.917     94.0982    227.84  .         .Q        .   V     .         .
 (PEAK DAY 1, HOUR  15.917)
112.000     95.9486    268.68  .         .  Q      .   V     .         .
 (PEAK DAY 1, HOUR  16.000)
112.083     98.3970    355.50  .         .     Q   .    V    .         .
 (PEAK DAY 1, HOUR  16.083)
112.167    101.8439    500.50  .         .         .    QV   .         .
 (PEAK DAY 1, HOUR  16.167)
112.250    106.5117    677.76  .         .         .      V  .  Q      .
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(PEAK DAY 1, HOUR  16.250)
112.333    111.8129    769.73  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  16.333)
112.417    117.2284    786.33  .         .         .         V       Q.
(PEAK DAY 1, HOUR  16.417)
112.500    121.6811    646.54  .         .         .         .VQ       .
(PEAK DAY 1, HOUR  16.500)
112.583    124.9948    481.15  .         .         .   Q     . V       .
(PEAK DAY 1, HOUR  16.583)
112.667    127.4627    358.33  .         .      Q  .         . V       .
(PEAK DAY 1, HOUR  16.667)
112.750    129.3967    280.83  .         .   Q     .         .  V      .
(PEAK DAY 1, HOUR  16.750)
112.833    130.9455    224.88  .         .Q        .         .  V      .
(PEAK DAY 1, HOUR  16.833)
112.917    132.2140    184.19  .        Q.         .         .   V     .
(PEAK DAY 1, HOUR  16.917)
113.000    133.3513    165.13  .       Q .         .         .   V     .
(PEAK DAY 1, HOUR  17.000)
113.083    134.3849    150.08  .      Q  .         .         .   V     .
(PEAK DAY 1, HOUR  17.083)
113.167    135.3235    136.28  .     Q   .         .         .   V     .
(PEAK DAY 1, HOUR  17.167)
113.250    136.1315    117.32  .    Q    .         .         .    V    .
(PEAK DAY 1, HOUR  17.250)
113.333    136.8693    107.13  .    Q    .         .         .    V    .
(PEAK DAY 1, HOUR  17.333)
113.417    137.5491     98.70  .   Q     .         .         .    V    .
(PEAK DAY 1, HOUR  17.417)
113.500    138.1786     91.40  .   Q     .         .         .    V    .
(PEAK DAY 1, HOUR  17.500)
113.583    138.7664     85.36  .   Q     .         .         .    V    .
(PEAK DAY 1, HOUR  17.583)
113.667    139.3183     80.13  .   Q     .         .         .     V   .
(PEAK DAY 1, HOUR  17.667)
113.750    139.8382     75.50  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  17.750)
113.833    140.3296     71.35  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  17.833)
113.917    140.7949     67.57  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  17.917)
114.000    141.2367     64.15  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.000)
114.083    141.6554     60.80  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.083)
114.167    142.0503     57.33  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.167)
114.250    142.4188     53.51  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.250)
114.333    142.7600     49.55  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.333)
114.417    143.0749     45.72  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.417)
114.500    143.3691     42.72  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  18.500)
114.583    143.6481     40.51  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  18.583)
114.667    143.9151     38.78  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.667)
114.750    144.1721     37.31  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.750)
114.833    144.4216     36.23  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.833)
114.917    144.6648     35.31  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.917)
115.000    144.9020     34.45  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.000)
115.083    145.1332     33.56  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.083)
115.167    145.3579     32.63  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.167)
115.250    145.5779     31.94  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.250)
115.333    145.7936     31.32  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.333)
115.417    146.0053     30.74  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.417)
115.500    146.2132     30.18  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.500)
115.583    146.4174     29.65  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.583)
115.667    146.6181     29.15  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.667)
115.750    146.8156     28.67  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.750)
115.833    147.0098     28.20  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.833)
115.917    147.2010     27.76  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  19.917)
116.000    147.3893     27.34  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.000)
116.083    147.5748     26.93  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.083)
116.167    147.7575     26.54  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.167)
116.250    147.9377     26.16  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.250)
116.333    148.1153     25.80  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.333)
116.417    148.2906     25.44  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.417)
116.500    148.4634     25.10  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.500)
116.583    148.6340     24.76  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.583)
116.667    148.8022     24.43  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.667)
116.750    148.9682     24.10  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.750)
116.833    149.1315     23.71  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.833)
116.917    149.2927     23.41  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.917)
117.000    149.4519     23.12  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.000)
117.083    149.6093     22.85  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.083)
117.167    149.7649     22.59  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.167)
117.250    149.9187     22.34  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.250)
117.333    150.0708     22.09  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.333)
117.417    150.2213     21.85  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.417)
117.500    150.3702     21.62  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.500)
117.583    150.5176     21.40  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.583)
117.667    150.6634     21.18  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.667)
117.750    150.8078     20.96  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.750)
117.833    150.9508     20.76  .Q        .         .         .        V.
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(PEAK DAY 1, HOUR 21.833)
117.917 151.0923 20.56 .Q . . . V.
(PEAK DAY 1, HOUR 21.917)
118.000 151.2325 20.36 .Q . . . V.
(PEAK DAY 1, HOUR 22.000)
118.083 151.3714 20.17 .Q . . . V.
(PEAK DAY 1, HOUR 22.083)
118.167 151.5090 19.98 Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 151.6454 19.80 Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 151.7805 19.62 Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 151.9144 19.45 Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 152.0472 19.28 Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 152.1788 19.11 Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 152.3093 18.95 Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 152.4387 18.79 Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 152.5670 18.63 Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 152.6943 18.48 Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 152.8205 18.33 Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 152.9458 18.19 Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 153.0701 18.05 Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 153.1934 17.91 Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 153.3158 17.77 Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 153.4372 17.64 Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 153.5578 17.50 Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 153.6774 17.38 Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 153.7962 17.25 Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 153.9142 17.12 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 154.0313 17.00 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 154.1475 16.88 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 154.2630 16.77 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 154.3759 16.39 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 154.4811 15.28 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 154.5705 12.98 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 154.6393 9.99 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 154.6846 6.58 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 154.7121 3.98 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 154.7285 2.38 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 154.7386 1.47 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 154.7450 0.92 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 154.7493 0.63 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 154.7528 0.50 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 154.7555 0.40 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 154.7576 0.30 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 154.7589 0.20 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 154.7602 0.18 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 154.7613 0.16 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 154.7623 0.14 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 154.7632 0.13 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 154.7640 0.12 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 154.7648 0.11 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 154.7655 0.11 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 154.7662 0.10 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 154.7668 0.09 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 154.7674 0.08 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 154.7679 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 154.7683 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 154.7688 0.06 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 154.7691 0.05 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 154.7695 0.05 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 154.7697 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 154.7700 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 154.7702 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 154.7704 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 154.7706 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 154.7708 0.02 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 154.7709 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 154.7710 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 154.7711 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 154.7712 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 154.7713 0.01 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 154.7714 0.01 Q . . . V.

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 (PEAK DAY 1, HOUR  27.417)
123.500    154.7715      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.500)
123.583    154.7716      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.583)
123.667    154.7717      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.667)
123.750    154.7718      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.750)
123.833    154.7718      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.833)
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********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  7291.1 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  7291.1 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
         (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1450.0    2900.0    4350.0    5800.0
--------------------------------------------------------------------------------
  96.000    847.9338     92.94  Q          V          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    848.5746     93.03  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    849.2387     96.44  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    849.9609    104.85  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    850.7708    117.60  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    851.6772    131.60  Q          V          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    852.6785    145.40  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    853.7762    159.39  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    854.9688    173.15  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    856.2574    187.11  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    857.6592    203.54  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    859.2017    223.97  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    860.8970    246.16  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    862.7286    265.94  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    864.6669    281.44  .Q         V          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    866.6861    293.19  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    868.7689    302.42  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    870.9037    309.97  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    873.0826    316.39  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    875.3000    321.97  . Q        V          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    877.5514    326.90  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    879.8332    331.32  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    882.1427    335.34  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    884.4775    339.02  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    886.8356    342.39  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    889.2150    345.48  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    891.6137    348.30  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    894.0302    350.87  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    896.4631    353.26  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    898.9113    355.48  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    901.3734    357.49  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    903.8479    359.30  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    906.3338    360.95  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    908.8306    362.53  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    911.3381    364.09  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    913.8563    365.64  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    916.3851    367.19  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    918.9247    368.75  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    921.4751    370.31  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    924.0363    371.88  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    926.6083    373.46  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    929.1914    375.06  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    931.7856    376.67  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    934.3910    378.30  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    937.0077    379.95  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.667)
  99.750    939.6358    381.61  . Q        .V         .          .          .
 (PEAK DAY 1, HOUR   3.750)
  99.833    942.2755    383.28  . Q        .V         .          .          .
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(PEAK DAY 1, HOUR   3.833)
 99.917    944.9268    384.97  . Q       .V        .         .         .
(PEAK DAY 1, HOUR   3.917)
100.000    947.5899    386.68  . Q       .V        .         .         .
(PEAK DAY 1, HOUR   4.000)
100.083    950.2648    388.40  . Q       .V        .         .         .
(PEAK DAY 1, HOUR   4.083)
100.167    952.9517    390.13  . Q       .V        .         .         .
(PEAK DAY 1, HOUR   4.167)
100.250    955.6505    391.87  . Q       .V        .         .         .
(PEAK DAY 1, HOUR   4.250)
100.333    958.3613    393.60  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.333)
100.417    961.0837    395.31  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.417)
100.500    963.8179    397.00  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.500)
100.583    966.5637    398.69  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.583)
100.667    969.3211    400.38  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.667)
100.750    972.0903    402.10  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.750)
100.833    974.8715    403.83  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.833)
100.917    977.6647    405.57  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   4.917)
101.000    980.4702    407.34  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.000)
101.083    983.2878    409.13  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.083)
101.167    986.1180    410.94  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250    988.9608    412.77  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333    991.8163    414.62  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417    994.6848    416.50  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500    997.5662    418.39  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583   1000.4609    420.31  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667   1003.3689    422.25  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750   1006.2905    424.21  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833   1009.2257    426.20  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917   1012.1748    428.21  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000   1015.1379    430.25  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083   1018.1153    432.31  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167   1021.1071    434.40  . Q       . V       .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250   1024.1134    436.52  .  Q      . V       .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333   1027.1345    438.66  .  Q      . V       .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417   1030.1705    440.83  .  Q      . V       .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500   1033.2217    443.03  .  Q      . V       .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583   1036.2882    445.25  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667   1039.3702    447.51  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750   1042.4680    449.80  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833   1045.5818    452.11  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917   1048.7117    454.46  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000   1051.8579    456.84  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083   1055.0208    459.25  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167   1058.2006    461.70  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250   1061.3975    464.18  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333   1064.6116    466.70  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417   1067.8433    469.25  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500   1071.0929    471.84  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583   1074.3606    474.46  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667   1077.6466    477.13  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750   1080.9513    479.83  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833   1084.2748    482.58  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917   1087.6176    485.36  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   7.917)
104.000   1090.9797    488.19  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083   1094.3617    491.06  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167   1097.7638    493.98  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250   1101.1863    496.94  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333   1104.6295    499.95  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417   1108.0938    503.01  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500   1111.5793    506.11  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583   1115.0867    509.27  .  Q      .  V      .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667   1118.6161    512.48  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750   1122.1680    515.74  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833   1125.7428    519.06  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917   1129.3408    522.43  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000   1132.9624    525.86  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083   1136.6080    529.35  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167   1140.2782    532.90  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250   1143.9731    536.52  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333   1147.6935    540.19  .  Q      .   V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417   1151.4396    543.94  .  Q      .   V     .         .         .
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 (PEAK DAY 1, HOUR   9.417)
105.500   1155.2119    547.75  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583   1159.0111    551.64  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667   1162.8375    555.59  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750   1166.6917    559.63  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833   1170.5741    563.74  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917   1174.4855    567.92  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000   1178.4263    572.20  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083   1182.3970    576.55  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167   1186.3983    581.00  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250   1190.4309    585.53  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333   1194.4954    590.16  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417   1198.5924    594.89  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500   1202.7227    599.72  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583   1206.8868    604.65  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667   1211.0858    609.69  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750   1215.3202    614.84  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833   1219.5908    620.10  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917   1223.8986    625.49  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000   1228.2443    631.00  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083   1232.6288    636.63  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167   1237.0529    642.38  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250   1241.5164    648.10  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333   1246.0170    653.49  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417   1250.5513    658.39  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500   1255.1174    663.01  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583   1259.7159    667.71  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667   1264.3491    672.73  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750   1269.0198    678.17  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833   1273.7307    684.03  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917   1278.4846    690.26  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000   1283.2838    696.85  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083   1288.1384    704.89  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167   1293.0841    718.10  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250   1298.1716    738.72  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333   1303.4423    765.29  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417   1308.8977    792.13  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500   1314.5209    816.48  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583   1320.2974    838.75  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667   1326.2096    858.46  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750   1332.2404    875.66  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833   1338.3816    891.71  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917   1344.6349    907.98  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000   1351.0078    925.34  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083   1357.5072    943.71  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167   1364.1349    962.33  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250   1370.8873    980.46  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333   1377.7614    998.11  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417   1384.7561   1015.64  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500   1391.8734   1033.43  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583   1399.1149   1051.47  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667   1406.4801   1069.43  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750   1413.9664   1087.02  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833   1421.5729   1104.45  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917   1429.3014   1122.18  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000   1437.1570   1140.63  .      Q  .       V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083   1445.1492   1160.47  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167   1453.2992   1183.39  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250   1461.6343   1210.25  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333   1470.1777   1240.50  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417   1478.9362   1271.72  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500   1487.9103   1303.04  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583   1497.1049   1335.05  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667   1506.5276   1368.19  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750   1516.1891   1402.84  .        Q.        V.         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833   1526.1072   1440.10  .        Q.        V.         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917   1536.3068   1480.97  .         Q        V.         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1546.8190   1526.37  .         Q        V.         .         .
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 (PEAK DAY 1, HOUR  15.000)
111.083   1557.6766   1576.54  .         Q        V.         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1568.9143   1631.70  .         .Q       V.         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1580.5677   1692.09  .         .Q       V.         .         .
 (PEAK DAY 1, HOUR  15.250)
111.333   1592.6799   1758.69  .         . Q      V.         .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1605.2776   1829.19  .         . Q       V         .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1618.3278   1894.88  .         .  Q      V         .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1631.7637   1950.90  .         .  Q      V         .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1645.5648   2003.93  .         .  Q      V         .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1659.8389   2072.59  .         .   Q     V         .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1674.8132   2174.27  .         .   Q     .V        .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1690.8256   2324.99  .         .     Q   .V        .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1708.4790   2563.27  .         .      Q  .V        .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1729.2999   3023.19  .         .         QV        .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1756.0525   3884.47  .         .         . V   Q   .         .
 (PEAK DAY 1, HOUR  16.167)
112.250   1789.8726   4910.67  .         .         . V       .  Q      .
 (PEAK DAY 1, HOUR  16.250)
112.333   1828.7772   5648.96  .         .         . V       .       Q .
 (PEAK DAY 1, HOUR  16.333)
112.417   1868.3494   5745.88  .         .         .  V      .        Q.
 (PEAK DAY 1, HOUR  16.417)
112.500   1905.7039   5423.88  .         .         .  V      .      Q  .
 (PEAK DAY 1, HOUR  16.500)
112.583   1939.9764   4976.37  .         .         .   V     .   Q     .
 (PEAK DAY 1, HOUR  16.583)
112.667   1970.1016   4374.17  .         .         .   V     Q         .
 (PEAK DAY 1, HOUR  16.667)
112.750   1995.8741   3742.18  .         .         .    Q    .         .
 (PEAK DAY 1, HOUR  16.750)
112.833   2018.1469   3234.01  .         .         . Q  V    .         .
 (PEAK DAY 1, HOUR  16.833)
112.917   2037.8855   2866.05  .         .        Q.    V    .         .
 (PEAK DAY 1, HOUR  16.917)
113.000   2055.8496   2608.39  .         .      Q  .    V    .         .
 (PEAK DAY 1, HOUR  17.000)
113.083   2072.5227   2420.92  .         .     Q   .     V   .         .
 (PEAK DAY 1, HOUR  17.083)
113.167   2088.2378   2281.83  .         .    Q    .     V   .         .
 (PEAK DAY 1, HOUR  17.167)
113.250   2103.1497   2165.21  .         .   Q     .     V   .         .
 (PEAK DAY 1, HOUR  17.250)
113.333   2117.4067   2070.13  .         .   Q     .     V   .         .
 (PEAK DAY 1, HOUR  17.333)
113.417   2131.0991   1988.13  .         .  Q      .     V   .         .
 (PEAK DAY 1, HOUR  17.417)
113.500   2144.3291   1920.99  .         .  Q      .     V   .         .
 (PEAK DAY 1, HOUR  17.500)
113.583   2157.1943   1868.03  .         . Q       .      V  .         .
 (PEAK DAY 1, HOUR  17.583)
113.667   2169.7720   1826.26  .         . Q       .      V  .         .
 (PEAK DAY 1, HOUR  17.667)
113.750   2182.1174   1792.56  .         . Q       .      V  .         .
 (PEAK DAY 1, HOUR  17.750)
113.833   2194.2651   1763.84  .         . Q       .      V  .         .
 (PEAK DAY 1, HOUR  17.833)
113.917   2206.2371   1738.33  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  17.917)
114.000   2218.0483   1714.98  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  18.000)
114.083   2229.6980   1691.53  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  18.083)
114.167   2241.1633   1664.77  .         .Q        .       V .         .
 (PEAK DAY 1, HOUR  18.167)
114.250   2252.4102   1633.05  .         .Q        .       V .         .
 (PEAK DAY 1, HOUR  18.250)
114.333   2263.4111   1597.36  .         .Q        .       V .         .
 (PEAK DAY 1, HOUR  18.333)
114.417   2274.1782   1563.37  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  18.417)
114.500   2284.7485   1534.80  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  18.500)
114.583   2295.1511   1510.44  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  18.583)
114.667   2305.4060   1489.00  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  18.667)
114.750   2315.5327   1470.39  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  18.750)
114.833   2325.5522   1454.83  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  18.833)
114.917   2335.4812   1441.69  .        Q.         .        V.         .
 (PEAK DAY 1, HOUR  18.917)
115.000   2345.3279   1429.74  .        Q.         .        V.         .
 (PEAK DAY 1, HOUR  19.000)
115.083   2355.0962   1418.35  .        Q.         .        V.         .
 (PEAK DAY 1, HOUR  19.083)
115.167   2364.7925   1407.89  .        Q.         .        V.         .
 (PEAK DAY 1, HOUR  19.167)
115.250   2374.4258   1398.75  .        Q.         .        V.         .
 (PEAK DAY 1, HOUR  19.250)
115.333   2384.0012   1390.36  .        Q.         .        V.         .
 (PEAK DAY 1, HOUR  19.333)
115.417   2393.5227   1382.54  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  19.417)
115.500   2402.9939   1375.20  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  19.500)
115.583   2412.4167   1368.20  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  19.583)
115.667   2421.7920   1361.29  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  19.667)
115.750   2431.1211   1354.57  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  19.750)
115.833   2440.4053   1348.08  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  19.833)
115.917   2449.6445   1341.54  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  19.917)
116.000   2458.8379   1334.87  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  20.000)
116.083   2467.9861   1328.32  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  20.083)
116.167   2477.0916   1322.13  .        Q.         .         .V        .
 (PEAK DAY 1, HOUR  20.167)
116.250   2486.1567   1316.27  .        Q.         .         .V        .
 (PEAK DAY 1, HOUR  20.250)
116.333   2495.1831   1310.63  .        Q.         .         .V        .
 (PEAK DAY 1, HOUR  20.333)
116.417   2504.1714   1305.10  .        Q.         .         .V        .
 (PEAK DAY 1, HOUR  20.417)
116.500   2513.1204   1299.38  .       Q .         .         .V        .
 (PEAK DAY 1, HOUR  20.500)
116.583   2522.0295   1293.61  .       Q .         .         .V        .
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 (PEAK DAY 1, HOUR  20.583)
116.667   2530.9011   1288.15  .       Q .         .         .V        .
 (PEAK DAY 1, HOUR  20.667)
116.750   2539.7375   1283.03  .       Q .         .         .V        .
 (PEAK DAY 1, HOUR  20.750)
116.833   2548.5398   1278.09  .       Q .         .         .V        .
 (PEAK DAY 1, HOUR  20.833)
116.917   2557.3093   1273.35  .       Q .         .         . V       .
 (PEAK DAY 1, HOUR  20.917)
117.000   2566.0469   1268.71  .       Q .         .         . V       .
 (PEAK DAY 1, HOUR  21.000)
117.083   2574.7529   1264.11  .       Q .         .         . V       .
 (PEAK DAY 1, HOUR  21.083)
117.167   2583.4280   1259.60  .       Q .         .         . V       .
 (PEAK DAY 1, HOUR  21.167)
117.250   2592.0728   1255.22  .       Q .         .         . V       .
 (PEAK DAY 1, HOUR  21.250)
117.333   2600.6880   1250.93  .       Q .         .         . V       .
 (PEAK DAY 1, HOUR  21.333)
117.417   2609.2742   1246.73  .       Q .         .         . V       .
 (PEAK DAY 1, HOUR  21.417)
117.500   2617.8320   1242.61  .       Q .         .         . V       .
 (PEAK DAY 1, HOUR  21.500)
117.583   2626.3623   1238.60  .       Q .         .         . V       .
 (PEAK DAY 1, HOUR  21.583)
117.667   2634.8657   1234.68  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  21.667)
117.750   2643.3425   1230.82  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  21.750)
117.833   2651.7932   1227.02  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  21.833)
117.917   2660.2180   1223.27  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  21.917)
118.000   2668.6172   1219.56  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  22.000)
118.083   2676.9912   1215.90  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  22.083)
118.167   2685.3401   1212.27  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  22.167)
118.250   2693.6643   1208.69  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  22.250)
118.333   2701.9641   1205.13  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  22.333)
118.417   2710.2395   1201.59  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  22.417)
118.500   2718.4895   1197.90  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  22.500)
118.583   2726.7112   1193.78  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  22.583)
118.667   2734.9009   1189.14  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  22.667)
118.750   2743.0559   1184.10  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  22.750)
118.833   2751.1750   1178.89  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  22.833)
118.917   2759.2578   1173.63  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  22.917)
119.000   2767.3044   1168.38  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  23.000)
119.083   2775.3152   1163.15  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  23.083)
119.167   2783.2900   1157.95  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  23.167)
119.250   2791.2292   1152.79  .      Q  .         .         .    V    .
 (PEAK DAY 1, HOUR  23.250)
119.333   2799.1333   1147.66  .      Q  .         .         .    V    .
 (PEAK DAY 1, HOUR  23.333)
119.417   2807.0022   1142.56  .       Q .         .         .    V    .
 (PEAK DAY 1, HOUR  23.417)
119.500   2814.8362   1137.49  .       Q .         .         .    V    .
 (PEAK DAY 1, HOUR  23.500)
119.583   2822.6353   1132.42  .       Q .         .         .    V    .
 (PEAK DAY 1, HOUR  23.583)
119.667   2830.3992   1127.33  .       Q .         .         .    V    .
 (PEAK DAY 1, HOUR  23.667)
119.750   2838.1279   1122.22  .       Q .         .         .    V    .
 (PEAK DAY 1, HOUR  23.750)
119.833   2845.8215   1117.11  .       Q .         .         .    V    .
 (PEAK DAY 1, HOUR  23.833)
119.917   2853.4800   1112.01  .       Q .         .         .    V    .
 (PEAK DAY 1, HOUR  23.917)
120.000   2861.1035   1106.94  .       Q .         .         .    V    .
 (PEAK DAY 1, HOUR  24.000)
120.083   2868.6853   1100.89  .       Q .         .         .    V    .
 (PEAK DAY 1, HOUR  24.083)
120.167   2876.1965   1090.62  .       Q .         .         .     V   .
 (PEAK DAY 1, HOUR  24.167)
120.250   2883.5928   1073.95  .       Q .         .         .     V   .
 (PEAK DAY 1, HOUR  24.250)
120.333   2890.8369   1051.84  .       Q .         .         .     V   .
 (PEAK DAY 1, HOUR  24.333)
120.417   2897.9207   1028.56  .       Q .         .         .     V   .
 (PEAK DAY 1, HOUR  24.417)
120.500   2904.8542   1006.75  .     Q   .         .         .     V   .
 (PEAK DAY 1, HOUR  24.500)
120.583   2911.6509    986.87  .     Q   .         .         .     V   .
 (PEAK DAY 1, HOUR  24.583)
120.667   2918.3330    970.25  .     Q   .         .         .     V   .
 (PEAK DAY 1, HOUR  24.667)
120.750   2924.9260    957.29  .     Q   .         .         .     V   .
 (PEAK DAY 1, HOUR  24.750)
120.833   2931.4487    947.10  .     Q   .         .         .     V   .
 (PEAK DAY 1, HOUR  24.833)
120.917   2937.9136    938.69  .     Q   .         .         .     V   .
 (PEAK DAY 1, HOUR  24.917)
121.000   2944.3279    931.36  .     Q   .         .         .     V   .
 (PEAK DAY 1, HOUR  25.000)
121.083   2950.6960    924.64  .     Q   .         .         .      V  .
 (PEAK DAY 1, HOUR  25.083)
121.167   2957.0200    918.24  .     Q   .         .         .      V  .
 (PEAK DAY 1, HOUR  25.167)
121.250   2963.3015    912.08  .     Q   .         .         .      V  .
 (PEAK DAY 1, HOUR  25.250)
121.333   2969.5417    906.07  .     Q   .         .         .      V  .
 (PEAK DAY 1, HOUR  25.333)
121.417   2975.7415    900.21  .     Q   .         .         .      V  .
 (PEAK DAY 1, HOUR  25.417)
121.500   2981.9016    894.45  .     Q   .         .         .      V  .
 (PEAK DAY 1, HOUR  25.500)
121.583   2988.0222    888.72  .     Q   .         .         .      V  .
 (PEAK DAY 1, HOUR  25.583)
121.667   2994.1030    882.94  .     Q   .         .         .      V  .
 (PEAK DAY 1, HOUR  25.667)
121.750   3000.1438    877.12  .     Q   .         .         .      V  .
 (PEAK DAY 1, HOUR  25.750)
121.833   3006.1443    871.29  .     Q   .         .         .      V  .
 (PEAK DAY 1, HOUR  25.833)
121.917   3012.1047    865.46  .    Q    .         .         .      V  .
 (PEAK DAY 1, HOUR  25.917)
122.000   3018.0251    859.66  .    Q    .         .         .      V  .
 (PEAK DAY 1, HOUR  26.000)
122.083   3023.9060    853.90  .    Q    .         .         .      V  .
 (PEAK DAY 1, HOUR  26.083)
122.167   3029.7476    848.18  .    Q    .         .         .       V .
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 (PEAK DAY 1, HOUR  26.167)
122.250   3035.5498    842.50  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  26.250)
122.333   3041.3130    836.83  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  26.333)
122.417   3047.0364    831.04  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  26.417)
122.500   3052.7180    824.96  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  26.500)
122.583   3058.3555    818.56  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  26.583)
122.667   3063.9475    811.95  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  26.667)
122.750   3069.4937    805.29  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  26.750)
122.833   3074.9939    798.64  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  26.833)
122.917   3080.4487    792.03  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  26.917)
123.000   3085.8584    785.49  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  27.000)
123.083   3091.2231    778.95  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  27.083)
123.167   3096.5405    772.09  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  27.167)
123.250   3101.8037    764.22  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  27.250)
123.333   3107.0027    754.88  .    Q    .         .         .       V .
 (PEAK DAY 1, HOUR  27.333)
123.417   3112.1289    744.33  .    Q    .         .         .        V.
 (PEAK DAY 1, HOUR  27.417)
123.500   3117.1780    733.13  .    Q    .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
123.583   3122.1484    721.71  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
123.667   3127.0393    710.16  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
123.750   3131.8486    698.32  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
123.833   3136.5740    686.12  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
123.917   3141.2139    673.72  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  27.917)
124.000   3145.7686    661.33  .   Q     .         .         .        V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
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**************************************************************************

             F L O O D    R O U T I N G    A N A L Y S I S
             USING COUNTY HYDROLOGY MANUAL OF ORANGE(1986)
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                         Analysis prepared by:

                          Huitt - Zollars, Inc.
                         430 Exchange, Suite 200
                          Irvine, CA. 92602-1309
                             714 - 734 - 5100

--------------------------------------------------------------------------
  FILE NAME: CP63CHO8.FLD
  TIME/DATE OF STUDY: 13:23 04/01/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    780.00 IS CODE =   1
--------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  4741.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
==========================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

        WATERSHED AREA =    4741.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.480 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  1.000
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.190|   0.190|   0.190|   0.190|   0.190|
        | LOW LOSS FRACTION |   0.550|   0.750|   0.900|   0.970|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.793
         30-MINUTE FACTOR = 0.793
          1-HOUR FACTOR = 0.793
          3-HOUR FACTOR = 0.969
          6-HOUR FACTOR = 0.984
         24-HOUR FACTOR = 0.990

          UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
          UNIT INTERVAL PERCENTAGE OF LAG-TIME =  17.361


          RUNOFF HYDROGRAPH LISTING LIMITS:
          MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
          MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


==========================================================================
                       UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------
         1                1.137               652.130
         2                4.082              1688.625
         3                8.525              2547.514
         4               14.577              3470.279
         5               24.203              5519.575
         6               43.203             10894.611
         7               57.937              8448.228
         8               65.484              4327.674
         9               70.911              3111.621
        10               75.443              2599.076
        11               78.982              2029.171
        12               82.133              1806.516
        13               84.749              1499.854
        14               87.075              1334.078
        15               88.974              1088.566
        16               90.645               958.165
        17               92.163               870.854
        18               93.467               747.418
        19               94.550               621.273
        20               95.489               538.119
        21               96.255               439.106
        22               96.815               321.374
        23               97.375               321.055
        24               97.900               301.316
        25               98.079               102.631
        26               98.169                51.477
        27               98.259                51.411
        28               98.349                51.608
        29               98.439                51.604
        30               98.528                51.219
        31               98.618                51.477
        32               98.708                51.477
        33               98.798                51.608
        34               98.887                51.346
        35               98.977                51.608
        36               99.067                51.604
        37               99.157                51.604
        38               99.247                51.604
        39               99.337                51.604
        40               99.427                51.604
        41               99.517                51.604
        42               99.607                51.604
        43               99.697                51.604
        44               99.787                51.604
        45               99.877                51.604
        46               99.967                51.604
        47              100.000                18.785


--------------------------------------------------------------------------
    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =    2535.6968
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TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 1991.0461

5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	2025.0	4050.0	6075.0	8100.0
96.000	524.3721	57.05	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	524.7745	58.43	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	525.2059	62.64	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	525.6828	69.24	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	526.2228	78.41	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	526.8649	93.23	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	527.7108	122.82	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	528.7158	145.93	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	529.8037	157.97	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	530.9523	166.77	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	532.1523	174.25	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	533.3935	180.21	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	534.6719	185.62	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	535.9819	190.22	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	537.3209	194.42	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	538.6843	197.97	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	540.0699	201.20	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	541.4763	204.20	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	542.9012	206.90	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	544.3423	209.26	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	545.7985	211.43	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	547.2676	213.33	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	548.7479	214.94	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	550.2393	216.54	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	551.7415	218.12	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	553.2509	219.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	554.7665	220.08	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	556.2885	220.99	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	557.8170	221.93	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	559.3518	222.86	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	560.8932	223.82	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	562.4412	224.77	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	563.9959	225.74	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	565.5573	226.71	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	567.1254	227.70	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	568.7004	228.68	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	570.2823	229.69	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	571.8711	230.70	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	573.4670	231.73	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	575.0699	232.75	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	576.6802	233.80	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	578.2975	234.84	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	579.9223	235.92	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	581.5544	236.98	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	583.1940	238.07	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	584.8411	239.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	586.4959	240.27	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	588.1577	241.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	589.8264	242.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	591.5018	243.27	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	593.1842	244.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	594.8736	245.30	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	596.5702	246.34	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	598.2739	247.37	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	599.9849	248.44	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	601.7031	249.49	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	603.4288	250.58	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	605.1620	251.66	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	606.9028	252.77	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	608.6512	253.87	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	610.4075	255.01	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	612.1716	256.14	.Q	. V	.	.	.

```
 (PEAK DAY 1, HOUR   5.083)
 101.167    613.9436    257.30  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.167)
 101.250    615.7236    258.46  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.250)
 101.333    617.5119    259.65  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.333)
 101.417    619.3083    260.84  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.417)
 101.500    621.1131    262.06  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.500)
 101.583    622.9263    263.27  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.583)
 101.667    624.7480    264.52  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.667)
 101.750    626.5784    265.76  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.750)
 101.833    628.4175    267.05  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.833)
 101.917    630.2655    268.32  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.917)
 102.000    632.1225    269.64  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.000)
 102.083    633.9885    270.94  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.083)
 102.167    635.8638    272.29  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.167)
 102.250    637.7483    273.63  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.250)
 102.333    639.6423    275.02  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.333)
 102.417    641.5458    276.39  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.417)
 102.500    643.4592    277.81  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.500)
 102.583    645.3822    279.23  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   6.583)
 102.667    647.3153    280.69  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.667)
 102.750    649.2584    282.14  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.750)
 102.833    651.2119    283.64  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.833)
 102.917    653.1755    285.13  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.917)
 103.000    655.1499    286.67  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.000)
 103.083    657.1348    288.21  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.083)
 103.167    659.1306    289.79  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.167)
 103.250    661.1373    291.37  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.250)
 103.333    663.1552    293.00  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.333)
 103.417    665.1843    294.63  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.417)
 103.500    667.2250    296.31  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.500)
 103.583    669.2772    297.98  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.583)
 103.667    671.3414    299.71  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.667)
 103.750    673.4174    301.43  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.750)
 103.833    675.5057    303.22  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.833)
 103.917    677.6062    305.00  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.917)
 104.000    679.7194    306.84  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.000)
 104.083    681.8453    308.67  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.083)
 104.167    683.9842    310.57  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.167)
 104.250    686.1362    312.46  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.250)
 104.333    688.3016    314.43  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.333)
 104.417    690.4805    316.38  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.417)
 104.500    692.6734    318.41  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.500)
 104.583    694.8802    320.42  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   8.583)
 104.667    697.1014    322.52  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.667)
 104.750    699.3370    324.61  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.750)
 104.833    701.5876    326.78  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.833)
 104.917    703.8530    328.94  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.917)
 105.000    706.1339    331.18  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.000)
 105.083    708.4301    333.42  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.083)
 105.167    710.7424    335.75  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.167)
 105.250    713.0707    338.07  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.250)
 105.333    715.4156    340.48  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
 105.417    717.7772    342.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
 105.500    720.1559    345.39  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
 105.583    722.5518    347.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
 105.667    724.9657    350.49  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
 105.750    727.3975    353.09  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
 105.833    729.8478    355.80  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
 105.917    732.3168    358.50  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
 106.000    734.8052    361.31  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
 106.083    737.3130    364.13  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
 106.167    739.8409    367.06  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
 106.250    742.3892    370.00  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
 106.333    744.9584    373.06  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
 106.417    747.5488    376.12  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
 106.500    750.1611    379.32  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
 106.583    752.7955    382.51  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
 106.667    755.4529    385.85  .Q        .    V    .         .         .
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 (PEAK DAY 1, HOUR  10.667)
106.750    758.1334    389.20  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    760.8378    392.69  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    763.5665    396.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    766.3203    399.86  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    769.0995    403.53  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    771.9052    407.38  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    774.7374    411.24  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    777.5974    415.28  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    780.4854    419.34  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    783.4028    423.60  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    786.3495    427.88  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    789.3273    432.36  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    792.3361    436.88  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    795.3776    441.62  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    798.4520    446.40  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    801.5609    451.42  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    804.7167    458.21  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    807.9401    468.03  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    811.2471    480.19  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    814.6569    495.10  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    818.2075    515.54  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    821.9995    550.61  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    825.9893    579.32  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    830.1044    597.50  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    834.3231    612.56  .  Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    838.6390    626.67  .  Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    843.0424    639.37  .  Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    847.5322    651.92  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    852.1049    663.96  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    856.7635    676.43  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    861.5088    689.01  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    866.3477    702.61  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    871.2896    717.55  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    876.3552    735.54  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    881.5556    755.09  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    886.9045    776.66  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    892.4076    799.06  .  Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    898.0772    823.23  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    903.9202    848.40  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    909.9514    875.72  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    916.2261    911.09  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    922.8422    960.67  .   Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    929.8752   1021.19  .    Q     .       V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    937.4159   1094.90  .    Q     .       V .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    945.6345   1193.34  .    Q     .       V .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    954.9769   1356.53  .     Q    .        V.         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    965.2540   1492.23  .      Q   .        V.         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    976.1564   1583.02  .      Q   .        V.         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    987.5969   1661.17  .       Q  .        V.         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    999.5599   1737.02  .       Q  .         V         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917   1012.0135   1808.27  .       Q  .         V         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1024.9714   1881.49  .        Q.         V         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1038.4275   1953.82  .        Q.         V         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1052.4082   2029.99  .         Q         .V        .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1066.9198   2107.09  .         Q         .V        .         .
 (PEAK DAY 1, HOUR  15.250)
111.333   1082.0043   2190.26  .         Q         .V        .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1097.5770   2261.16  .         .Q        . V       .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1113.5178   2314.61  .         .Q        . V       .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1129.7285   2353.79  .         .Q        . V       .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1146.1561   2385.29  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1162.5571   2381.42  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1178.1958   2270.74  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1193.8363   2271.00  .         .Q        .  V      .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1210.8542   2471.00  .         . Q       .   V     .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1231.4600   2991.95  .         .   Q     .   V     .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1257.0110   3710.00  .         .       Q .    V    .         .
 (PEAK DAY 1, HOUR  16.167)
112.250   1287.2900   4396.52  .         .         .Q   V    .         .
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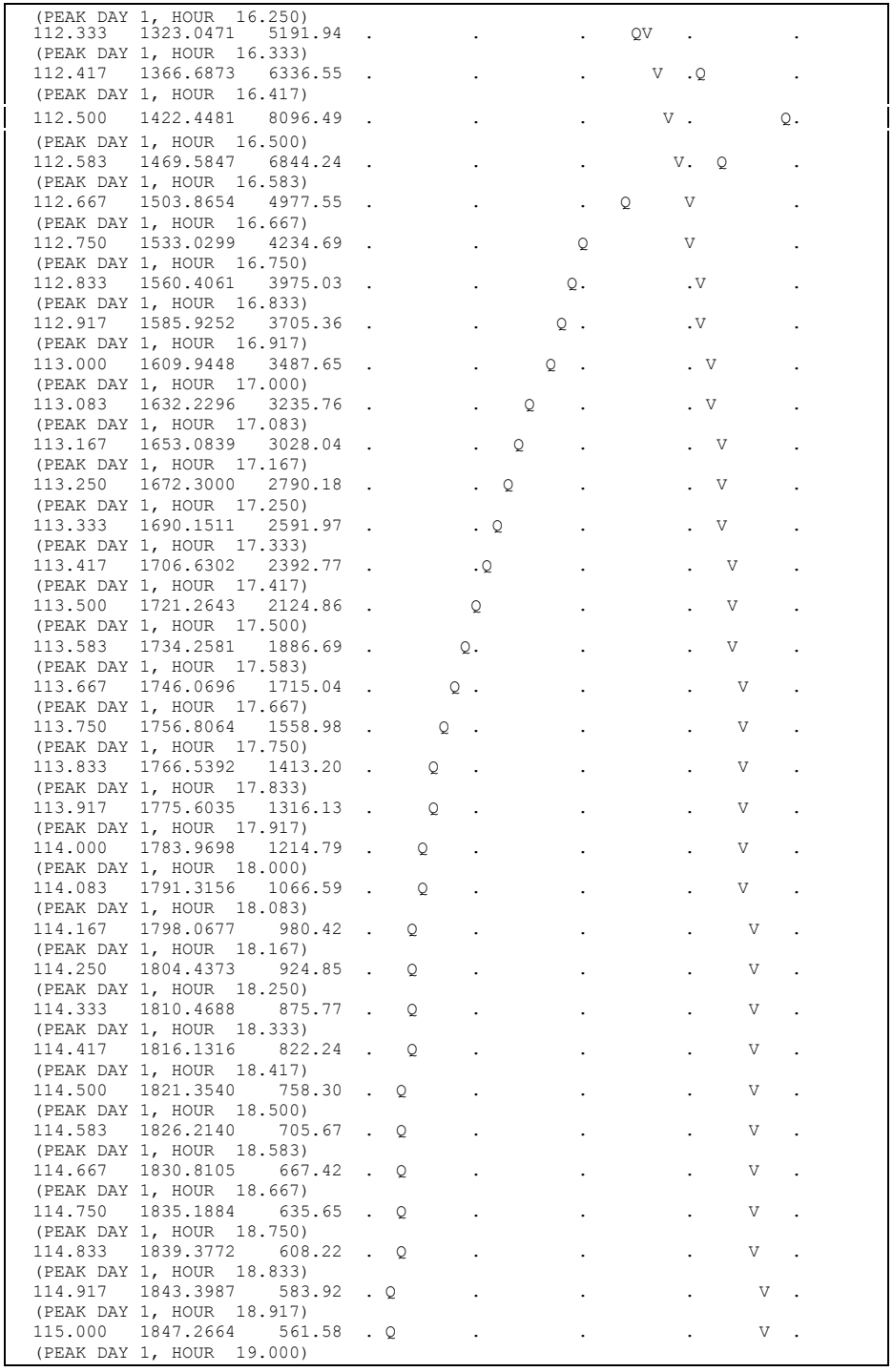
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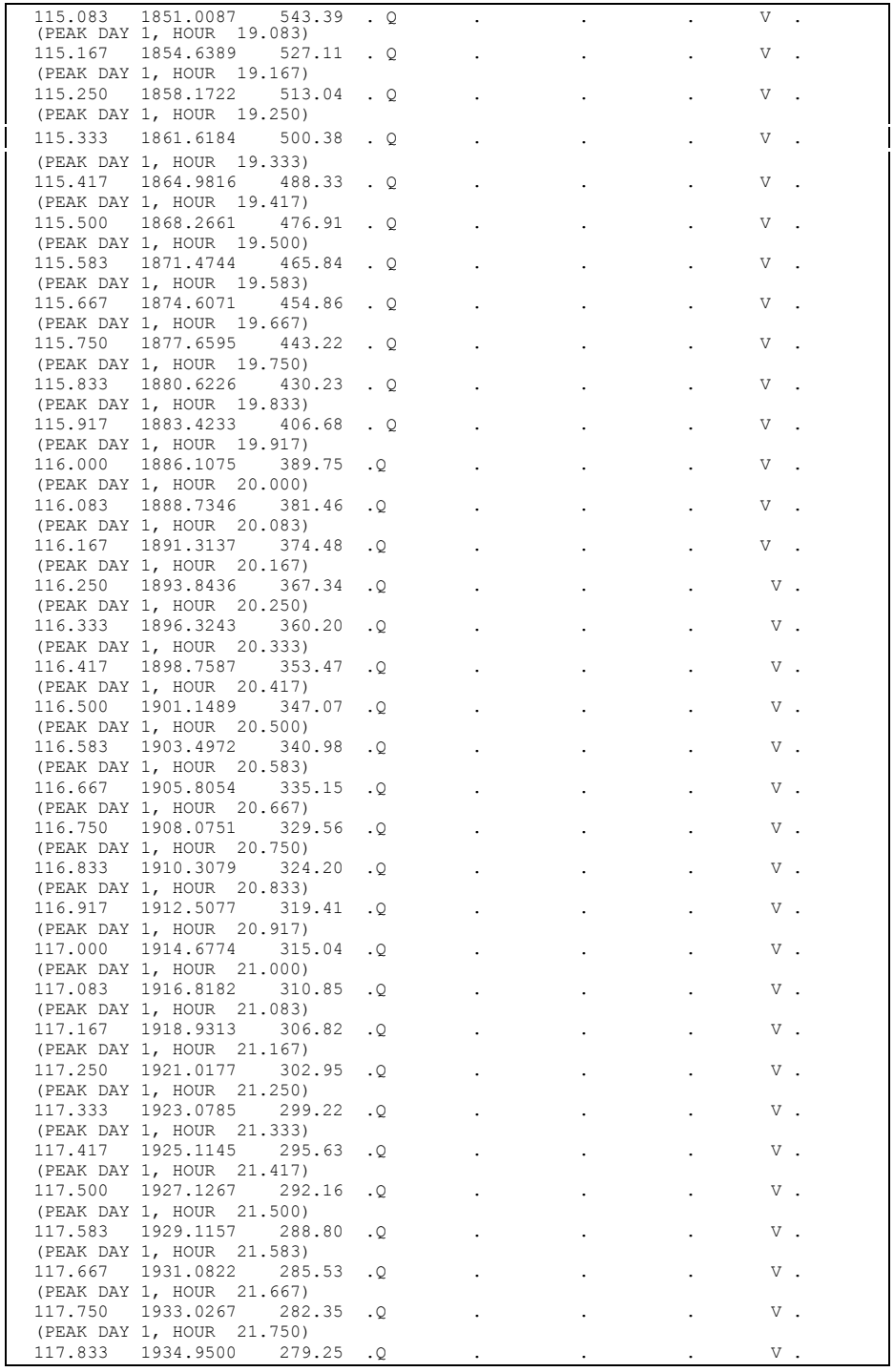
(PEAK DAY 1, HOUR 16.417)
112.500 1422.4481 8096.49 . . . V . Q.
(PEAK DAY 1, HOUR 16.500)
112.583 1469.5847 6844.24 . . . V. Q .
(PEAK DAY 1, HOUR 16.583)
112.667 1503.8654 4977.55 . . . Q V .
(PEAK DAY 1, HOUR 16.667)
112.750 1533.0299 4234.69 . . Q V .
(PEAK DAY 1, HOUR 16.750)
112.833 1560.4061 3975.03 . . Q. .V .
(PEAK DAY 1, HOUR 16.833)
112.917 1585.9252 3705.36 . . Q . .V .
(PEAK DAY 1, HOUR 16.917)
113.000 1609.9448 3487.65 . . Q . . V .
(PEAK DAY 1, HOUR 17.000)
113.083 1632.2296 3235.76 . . Q . . V .
(PEAK DAY 1, HOUR 17.083)
113.167 1653.0839 3028.04 . . Q . . V .
(PEAK DAY 1, HOUR 17.167)
113.250 1672.3000 2790.18 . . Q . . V .
(PEAK DAY 1, HOUR 17.250)
113.333 1690.1511 2591.97 . . Q . . V .
(PEAK DAY 1, HOUR 17.333)
113.417 1706.6302 2392.77 . .Q . . V .
(PEAK DAY 1, HOUR 17.417)
113.500 1721.2643 2124.86 . Q . . V .
(PEAK DAY 1, HOUR 17.500)
113.583 1734.2581 1886.69 . Q. . V .
(PEAK DAY 1, HOUR 17.583)
113.667 1746.0696 1715.04 . Q . . V .
(PEAK DAY 1, HOUR 17.667)
113.750 1756.8064 1558.98 . Q . . V .
(PEAK DAY 1, HOUR 17.750)
113.833 1766.5392 1413.20 . Q . . V .
(PEAK DAY 1, HOUR 17.833)
113.917 1775.6035 1316.13 . Q . . V .
(PEAK DAY 1, HOUR 17.917)
114.000 1783.9698 1214.79 . Q . . V .
(PEAK DAY 1, HOUR 18.000)
114.083 1791.3156 1066.59 . Q . . V .
(PEAK DAY 1, HOUR 18.083)
114.167 1798.0677 980.42 . Q . . V .
(PEAK DAY 1, HOUR 18.167)
114.250 1804.4373 924.85 . Q . . V .
(PEAK DAY 1, HOUR 18.250)
114.333 1810.4688 875.77 . Q . . V .
(PEAK DAY 1, HOUR 18.333)
114.417 1816.1316 822.24 . Q . . V .
(PEAK DAY 1, HOUR 18.417)
114.500 1821.3540 758.30 . Q . . V .
(PEAK DAY 1, HOUR 18.500)
114.583 1826.2140 705.67 . Q . . V .
(PEAK DAY 1, HOUR 18.583)
114.667 1830.8105 667.42 . Q . . V .
(PEAK DAY 1, HOUR 18.667)
114.750 1835.1884 635.65 . Q . . V .
(PEAK DAY 1, HOUR 18.750)
114.833 1839.3772 608.22 . Q . . V .
(PEAK DAY 1, HOUR 18.833)
114.917 1843.3987 583.92 . Q . . V .
(PEAK DAY 1, HOUR 18.917)
115.000 1847.2664 561.58 . Q . . V .
(PEAK DAY 1, HOUR 19.000)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115.167 1854.6389 527.11 . Q . . V .
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115.250 1858.1722 513.04 . Q . . V .
(PEAK DAY 1, HOUR 19.250)
115.333 1861.6184 500.38 . Q . . V .
(PEAK DAY 1, HOUR 19.333)
115.417 1864.9816 488.33 . Q . . V .
(PEAK DAY 1, HOUR 19.417)
115.500 1868.2661 476.91 . Q . . V .
(PEAK DAY 1, HOUR 19.500)
115.583 1871.4744 465.84 . Q . . V .
(PEAK DAY 1, HOUR 19.583)
115.667 1874.6071 454.86 . Q . . V .
(PEAK DAY 1, HOUR 19.667)
115.750 1877.6595 443.22 . Q . . V .
(PEAK DAY 1, HOUR 19.750)
115.833 1880.6226 430.23 . Q . . V .
(PEAK DAY 1, HOUR 19.833)
115.917 1883.4233 406.68 . Q . . V .
(PEAK DAY 1, HOUR 19.917)
116.000 1886.1075 389.75 .Q . . V .
(PEAK DAY 1, HOUR 20.000)
116.083 1888.7346 381.46 .Q . . V .
(PEAK DAY 1, HOUR 20.083)
116.167 1891.3137 374.48 .Q . . V .
(PEAK DAY 1, HOUR 20.167)
116.250 1893.8436 367.34 .Q . . V .
(PEAK DAY 1, HOUR 20.250)
116.333 1896.3243 360.20 .Q . . V .
(PEAK DAY 1, HOUR 20.333)
116.417 1898.7587 353.47 .Q . . V .
(PEAK DAY 1, HOUR 20.417)
116.500 1901.1489 347.07 .Q . . V .
(PEAK DAY 1, HOUR 20.500)
116.583 1903.4972 340.98 .Q . . V .
(PEAK DAY 1, HOUR 20.583)
116.667 1905.8054 335.15 .Q . . V .
(PEAK DAY 1, HOUR 20.667)
116.750 1908.0751 329.56 .Q . . V .
(PEAK DAY 1, HOUR 20.750)
116.833 1910.3079 324.20 .Q . . V .
(PEAK DAY 1, HOUR 20.833)
116.917 1912.5077 319.41 .Q . . V .
(PEAK DAY 1, HOUR 20.917)
117.000 1914.6774 315.04 .Q . . V .
(PEAK DAY 1, HOUR 21.000)
117.083 1916.8182 310.85 .Q . . V .
(PEAK DAY 1, HOUR 21.083)
117.167 1918.9313 306.82 .Q . . V .
(PEAK DAY 1, HOUR 21.167)
117.250 1921.0177 302.95 .Q . . V .
(PEAK DAY 1, HOUR 21.250)
117.333 1923.0785 299.22 .Q . . V .
(PEAK DAY 1, HOUR 21.333)
117.417 1925.1145 295.63 .Q . . V .
(PEAK DAY 1, HOUR 21.417)
117.500 1927.1267 292.16 .Q . . V .
(PEAK DAY 1, HOUR 21.500)
117.583 1929.1157 288.80 .Q . . V .
(PEAK DAY 1, HOUR 21.583)
117.667 1931.0822 285.53 .Q . . V .
(PEAK DAY 1, HOUR 21.667)
117.750 1933.0267 282.35 .Q . . V .
(PEAK DAY 1, HOUR 21.750)
117.833 1934.9500 279.25 .Q . . V .

(PEAK DAY 1, HOUR 21.833)									
117.917	1936.8530	276.33	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 21.917)									
118.000	1938.7368	273.53	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 22.000)									
118.083	1940.6019	270.81	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 22.083)									
118.167	1942.4487	268.16	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.167)									
118.250	1944.2778	265.58	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.250)									
118.333	1946.0896	263.06	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.333)									
118.417	1947.8844	260.61	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.417)									
118.500	1949.6627	258.22	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.500)									
118.583	1951.4249	255.88	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.583)									
118.667	1953.1715	253.60	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.667)									
118.750	1954.9027	251.37	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.750)									
118.833	1956.6189	249.19	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.833)									
118.917	1958.3204	247.06	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.917)									
119.000	1960.0077	244.98	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.000)									
119.083	1961.6809	242.95	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.083)									
119.167	1963.3403	240.95	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.167)									
119.250	1964.9863	239.01	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.250)									
119.333	1966.6193	237.10	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.333)									
119.417	1968.2393	235.23	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.417)									
119.500	1969.8467	233.40	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.500)									
119.583	1971.4418	231.61	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.583)									
119.667	1973.0248	229.85	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.667)									
119.750	1974.5959	228.13	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.750)									
119.833	1976.1555	226.44	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.833)									
119.917	1977.7036	224.79	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.917)									
120.000	1979.2406	223.16	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.000)									
120.083	1980.7501	219.19	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.083)									
120.167	1982.2065	211.46	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.167)									
120.250	1983.5886	200.67	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.250)									
120.333	1984.8737	186.59	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.333)									
120.417	1986.0109	165.13	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.417)									
120.500	1986.8660	124.17	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.500)									
120.583	1987.5026	92.43	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.583)									
120.667	1988.0258	75.96	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.667)									
120.750	1988.4669	64.06	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.750)									
120.833	1988.8396	54.11	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.833)									
120.917	1989.1586	46.31	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.917)									
121.000	1989.4298	39.39	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.000)									
121.083	1989.6614	33.63	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.083)									
121.167	1989.8578	28.51	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.167)									
121.250	1990.0254	24.33	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.250)									
121.333	1990.1677	20.66	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.333)									
121.417	1990.2871	17.33	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.417)									
121.500	1990.3868	14.48	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.500)									
121.583	1990.4702	12.10	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.583)									
121.667	1990.5394	10.05	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.667)									
121.750	1990.5970	8.37	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.750)									
121.833	1990.6462	7.14	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.833)									
121.917	1990.6870	5.91	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.917)									
122.000	1990.7198	4.77	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.000)									
122.083	1990.7499	4.36	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.083)									
122.167	1990.7784	4.14	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.167)									
122.250	1990.8054	3.92	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.250)									
122.333	1990.8309	3.70	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.333)									
122.417	1990.8550	3.49	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.417)									
122.500	1990.8776	3.28	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.500)									
122.583	1990.8987	3.07	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.583)									
122.667	1990.9183	2.86	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.667)									
122.750	1990.9365	2.65	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.750)									
122.833	1990.9534	2.44	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.833)									
122.917	1990.9688	2.24	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.917)									
123.000	1990.9828	2.03	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.000)									
123.083	1990.9954	1.83	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.083)									
123.167	1991.0066	1.63	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.167)									
123.250	1991.0165	1.43	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.250)									
123.333	1991.0249	1.23	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.333)									
123.417	1991.0320	1.03	Q	.	.	.	V.		

```
 (PEAK DAY 1, HOUR  27.417)
 123.500   1991.0377      0.84  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583   1991.0421      0.64  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667   1991.0452      0.45  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750   1991.0470      0.26  Q         .         .         .         V
 (PEAK DAY 1, HOUR  27.750)
 123.833   1991.0475      0.07  Q         .         .         .         V
 (PEAK DAY 1, HOUR  27.833)
============================================================================
```

END OF FLOODSCx ROUTING ANALYSIS

```
****************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE = 3.1
----------------------------------------------------------------------------
  >>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
============================================================================
```

```
 *** Note: This link/process output is based on its ***
 *** tributary area being adjusted, for depth-area  ***
 *** effects, using a specified area of  4741.3 Ac. ***
```

```
            INFLOW
           (STREAM 1)
               |
               |
               V                __effective depth
          -----------           |   (and volume)
         |           |    |     |
         |           |    |....V........
         | detention |<-->|           outflow
         |   basin   |    |.........________
          -----------     |    ^    |  \
               |          |  dead   |   basin outlet
               V          | storage |
            OUTFLOW        ---------
           (STREAM 1)
```

ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
THROUGH A FLOW-THROUGH DETENTION BASIN
SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
  DEAD STORAGE(AF) =   0.000
  SPECIFIED DEAD STORAGE(AF) FILLED =   0.000
  SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET =   0.000
  DETENTION BASIN CONSTANT LOSS RATE(CFS) =   0.00

BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

INTERVAL NUMBER	DEPTH (FT)	OUTFLOW (CFS)	STORAGE (AF)
1	0.00	0.00	0.000
2	4.00	280.30	0.800
3	5.00	318.80	2.500
4	6.00	352.80	6.300
5	7.00	384.60	12.800
6	9.00	442.50	35.900
7	11.00	494.10	67.800
8	13.00	541.30	102.100
9	15.00	585.20	163.800
10	17.00	625.80	235.800
11	19.00	664.60	310.000
12	21.00	701.20	386.400
13	23.00	737.10	465.200
14	25.00	755.70	546.200
15	27.00	776.60	630.000
16	29.00	800.00	716.100
17	31.00	824.90	804.500

==

MODIFIED-PULS BASIN ROUTING MODEL RESULTS(5-MINUTE COMPUTATION INTERVALS):
(Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time;
MEAN OUTFLOW is the average value during the unit interval.)

PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
1	0.001	96.001	0.000	57.05	0.00	0.81	57.2	0.163
1	0.084	96.084	0.000	58.43	0.00	0.84	57.8	0.167
1	0.167	96.167	0.000	62.64	0.00	0.90	60.8	0.180
1	0.251	96.251	0.000	69.24	0.00	1.00	66.4	0.199
1	0.334	96.334	0.000	78.41	0.00	1.13	74.5	0.226
1	0.417	96.417	0.000	93.23	0.00	1.35	86.9	0.270
1	0.501	96.501	0.000	122.82	0.00	1.79	110.0	0.358
1	0.584	96.584	0.000	145.93	0.00	2.11	136.7	0.422
1	0.667	96.667	0.000	157.97	0.00	2.27	153.4	0.454
1	0.751	96.751	0.000	166.77	0.00	2.39	163.2	0.478
1	0.834	96.834	0.000	174.25	0.00	2.50	171.2	0.499
1	0.917	96.917	0.000	180.21	0.00	2.58	177.8	0.516
1	1.001	97.001	0.000	185.62	0.00	2.66	183.4	0.531
1	1.084	97.084	0.000	190.22	0.00	2.72	188.3	0.544
1	1.167	97.167	0.000	194.42	0.00	2.78	192.7	0.556
1	1.251	97.251	0.000	197.97	0.00	2.83	196.5	0.566
1	1.334	97.334	0.000	201.20	0.00	2.88	199.9	0.575
1	1.417	97.417	0.000	204.20	0.00	2.92	203.0	0.584
1	1.501	97.501	0.000	206.90	0.00	2.96	205.8	0.591
1	1.584	97.584	0.000	209.26	0.00	2.99	208.3	0.598
1	1.667	97.667	0.000	211.43	0.00	3.02	210.5	0.604
1	1.751	97.751	0.000	213.33	0.00	3.05	212.6	0.609
1	1.834	97.834	0.000	214.94	0.00	3.07	214.3	0.614
1	1.917	97.917	0.000	216.54	0.00	3.09	215.9	0.618
1	2.001	98.001	0.000	218.12	0.00	3.11	217.5	0.623
1	2.084	98.084	0.000	219.16	0.00	3.13	218.8	0.626
1	2.167	98.167	0.000	220.08	0.00	3.14	219.7	0.628
1	2.251	98.251	0.000	220.99	0.00	3.15	220.6	0.631
1	2.334	98.334	0.000	221.93	0.00	3.17	221.5	0.634
1	2.417	98.417	0.000	222.86	0.00	3.18	222.5	0.636
1	2.501	98.501	0.000	223.82	0.00	3.20	223.4	0.639
1	2.584	98.584	0.000	224.77	0.00	3.21	224.4	0.642
1	2.667	98.667	0.000	225.74	0.00	3.22	225.3	0.645
1	2.751	98.751	0.000	226.71	0.00	3.24	226.3	0.647
1	2.834	98.834	0.000	227.70	0.00	3.25	227.3	0.650
1	2.917	98.917	0.000	228.68	0.00	3.26	228.3	0.653
1	3.001	99.001	0.000	229.69	0.00	3.28	229.3	0.656
1	3.084	99.084	0.000	230.70	0.00	3.29	230.3	0.659
1	3.167	99.167	0.000	231.73	0.00	3.31	231.3	0.662
1	3.251	99.251	0.000	232.75	0.00	3.32	232.3	0.665
1	3.334	99.334	0.000	233.80	0.00	3.34	233.4	0.668
1	3.417	99.417	0.000	234.84	0.00	3.35	234.4	0.671
1	3.501	99.501	0.000	235.92	0.00	3.37	235.5	0.674
1	3.584	99.584	0.000	236.98	0.00	3.38	236.5	0.677
1	3.667	99.667	0.000	238.07	0.00	3.40	237.6	0.680
1	3.751	99.751	0.000	239.16	0.00	3.41	238.7	0.683
1	3.834	99.834	0.000	240.27	0.00	3.43	239.8	0.686
1	3.917	99.917	0.000	241.29	0.00	3.44	240.9	0.689

1	4.001 100.001	0.000	242.29	0.00	3.46	241.9	0.692
1	4.084 100.084	0.000	243.27	0.00	3.47	242.9	0.695
1	4.167 100.167	0.000	244.29	0.00	3.49	243.9	0.697
1	4.251 100.251	0.000	245.30	0.00	3.50	244.9	0.700
1	4.334 100.334	0.000	246.34	0.00	3.52	245.9	0.703
1	4.417 100.417	0.000	247.37	0.00	3.53	246.9	0.706
1	4.501 100.501	0.000	248.44	0.00	3.55	248.0	0.709
1	4.584 100.584	0.000	249.49	0.00	3.56	249.1	0.712
1	4.667 100.667	0.000	250.58	0.00	3.58	250.1	0.715
1	4.751 100.751	0.000	251.66	0.00	3.59	251.2	0.719
1	4.834 100.834	0.000	252.77	0.00	3.61	252.3	0.722
1	4.917 100.917	0.000	253.87	0.00	3.62	253.4	0.725
1	5.001 101.001	0.000	255.01	0.00	3.64	254.5	0.728
1	5.084 101.084	0.000	256.14	0.00	3.66	255.7	0.731
1	5.167 101.167	0.000	257.30	0.00	3.67	256.8	0.735
1	5.251 101.251	0.000	258.46	0.00	3.69	258.0	0.738
1	5.334 101.334	0.000	259.65	0.00	3.71	259.2	0.741
1	5.417 101.417	0.000	260.84	0.00	3.72	260.3	0.745
1	5.501 101.501	0.000	262.06	0.00	3.74	261.6	0.748
1	5.584 101.584	0.000	263.27	0.00	3.76	262.8	0.752
1	5.667 101.667	0.000	264.52	0.00	3.78	264.0	0.755
1	5.751 101.751	0.000	265.76	0.00	3.79	265.3	0.759
1	5.834 101.834	0.000	267.05	0.00	3.81	266.5	0.762
1	5.917 101.917	0.000	268.32	0.00	3.83	267.8	0.766
1	6.001 102.001	0.000	269.64	0.00	3.85	269.1	0.770
1	6.084 102.084	0.000	270.94	0.00	3.87	270.4	0.774
1	6.167 102.167	0.000	272.29	0.00	3.89	271.7	0.777
1	6.251 102.251	0.000	273.63	0.00	3.91	273.1	0.781
1	6.334 102.334	0.000	275.02	0.00	3.93	274.4	0.785
1	6.417 102.417	0.000	276.39	0.00	3.95	275.8	0.789
1	6.501 102.501	0.000	277.81	0.00	3.97	277.2	0.793
1	6.584 102.584	0.000	279.23	0.00	3.99	278.6	0.797
1	6.667 102.667	0.000	280.69	0.00	4.00	279.9	0.803
1	6.751 102.751	0.000	282.14	0.00	4.01	280.5	0.814
1	6.834 102.834	0.000	283.64	0.00	4.02	280.8	0.834
1	6.917 102.917	0.000	285.13	0.00	4.04	281.4	0.860
1	7.001 103.001	0.000	286.67	0.00	4.05	282.0	0.892
1	7.084 103.084	0.000	288.21	0.00	4.08	282.8	0.929
1	7.167 103.167	0.000	289.79	0.00	4.10	283.7	0.971
1	7.251 103.251	0.000	291.37	0.00	4.13	284.7	1.017
1	7.334 103.334	0.000	293.00	0.00	4.16	285.8	1.067
1	7.417 103.417	0.000	294.63	0.00	4.19	286.9	1.120
1	7.501 103.501	0.000	296.31	0.00	4.22	288.2	1.176
1	7.584 103.584	0.000	297.98	0.00	4.26	289.5	1.234
1	7.667 103.667	0.000	299.71	0.00	4.29	290.8	1.295
1	7.751 103.751	0.000	301.43	0.00	4.33	292.2	1.359
1	7.834 103.834	0.000	303.22	0.00	4.37	293.7	1.424
1	7.917 103.917	0.000	305.00	0.00	4.41	295.2	1.492
1	8.001 104.001	0.000	306.84	0.00	4.45	296.8	1.561
1	8.084 104.084	0.000	308.67	0.00	4.49	298.3	1.632
1	8.167 104.167	0.000	310.57	0.00	4.53	300.0	1.705
1	8.251 104.251	0.000	312.46	0.00	4.58	301.6	1.780
1	8.334 104.334	0.000	314.43	0.00	4.62	303.4	1.856
1	8.418 104.418	0.000	316.38	0.00	4.67	305.1	1.934
1	8.501 104.501	0.000	318.41	0.00	4.71	306.9	2.013
1	8.584 104.584	0.000	320.42	0.00	4.76	308.7	2.094
1	8.668 104.668	0.000	322.52	0.00	4.81	310.5	2.177
1	8.751 104.751	0.000	324.61	0.00	4.86	312.4	2.260
1	8.834 104.834	0.000	326.78	0.00	4.91	314.3	2.346
1	8.918 104.918	0.000	328.94	0.00	4.96	316.3	2.433
1	9.001 105.001	0.000	331.18	0.00	5.01	318.1	2.523
1	9.084 105.084	0.000	333.42	0.00	5.03	319.4	2.619
1	9.168 105.168	0.000	335.75	0.00	5.06	320.3	2.725
1	9.251 105.251	0.000	338.07	0.00	5.09	321.3	2.841
1	9.334 105.334	0.000	340.48	0.00	5.12	322.4	2.965
1	9.418 105.418	0.000	342.89	0.00	5.16	323.6	3.098
1	9.501 105.501	0.000	345.39	0.00	5.19	324.8	3.240
1	9.584 105.584	0.000	347.89	0.00	5.23	326.1	3.390
1	9.668 105.668	0.000	350.49	0.00	5.28	327.5	3.549
1	9.751 105.751	0.000	353.09	0.00	5.32	328.9	3.715
1	9.834 105.834	0.000	355.80	0.00	5.37	330.5	3.890
1	9.918 105.918	0.000	358.50	0.00	5.41	332.0	4.072
1	10.001 106.001	0.000	361.31	0.00	5.46	333.7	4.262
1	10.084 106.084	0.000	364.13	0.00	5.52	335.4	4.459
1	10.168 106.168	0.000	367.06	0.00	5.57	337.3	4.665
1	10.251 106.251	0.000	370.00	0.00	5.63	339.1	4.877
1	10.334 106.334	0.000	373.06	0.00	5.68	341.1	5.098
1	10.418 106.418	0.000	376.12	0.00	5.74	343.1	5.325
1	10.501 106.501	0.000	379.32	0.00	5.81	345.1	5.561
1	10.584 106.584	0.000	382.51	0.00	5.87	347.3	5.804
1	10.668 106.668	0.000	385.85	0.00	5.94	349.5	6.054
1	10.751 106.751	0.000	389.20	0.00	6.00	351.7	6.312
1	10.834 106.834	0.000	392.69	0.00	6.04	353.5	6.582
1	10.918 106.918	0.000	396.19	0.00	6.09	354.9	6.866
1	11.001 107.001	0.000	399.86	0.00	6.13	356.3	7.166
1	11.084 107.084	0.000	403.53	0.00	6.18	357.8	7.481
1	11.168 107.168	0.000	407.38	0.00	6.23	359.4	7.812
1	11.251 107.251	0.000	411.24	0.00	6.29	361.0	8.158
1	11.334 107.334	0.000	415.28	0.00	6.34	362.8	8.519
1	11.418 107.418	0.000	419.34	0.00	6.40	364.6	8.896
1	11.501 107.501	0.000	423.60	0.00	6.46	366.5	9.290
1	11.584 107.584	0.000	427.88	0.00	6.52	368.4	9.699
1	11.668 107.668	0.000	432.36	0.00	6.59	370.5	10.125
1	11.751 107.751	0.000	436.88	0.00	6.66	372.6	10.568
1	11.834 107.834	0.000	441.62	0.00	6.73	374.8	11.028
1	11.918 107.918	0.000	446.40	0.00	6.80	377.1	11.506
1	12.001 108.001	0.000	451.42	0.00	6.88	379.5	12.001
1	12.084 108.084	0.000	458.21	0.00	6.96	382.0	12.526
1	12.168 108.168	0.000	468.03	0.00	7.03	384.3	13.103
1	12.251 108.251	0.000	480.19	0.00	7.08	386.2	13.750
1	12.334 108.334	0.000	495.10	0.00	7.15	387.9	14.489
1	12.418 108.418	0.000	515.54	0.00	7.22	389.9	15.354
1	12.501 108.501	0.000	550.61	0.00	7.32	392.4	16.444
1	12.584 108.584	0.000	579.32	0.00	7.43	395.3	17.711
1	12.668 108.668	0.000	597.50	0.00	7.54	398.6	19.080
1	12.751 108.751	0.000	612.56	0.00	7.67	402.2	20.530
1	12.834 108.834	0.000	626.67	0.00	7.80	405.9	22.050
1	12.918 108.918	0.000	639.37	0.00	7.94	409.8	23.631
1	13.001 109.001	0.000	651.92	0.00	8.08	413.8	25.271
1	13.084 109.084	0.000	663.96	0.00	8.23	418.0	26.965
1	13.168 109.168	0.000	676.43	0.00	8.38	422.3	28.716
1	13.251 109.251	0.000	689.01	0.00	8.53	426.8	30.522
1	13.334 109.334	0.000	702.61	0.00	8.70	431.4	32.390
1	13.418 109.418	0.000	717.55	0.00	8.86	436.1	34.328
1	13.501 109.501	0.000	735.54	0.00	9.03	440.9	36.357
1	13.584 109.584	0.000	755.09	0.00	9.16	445.0	38.493
1	13.668 109.668	0.000	776.66	0.00	9.30	448.5	40.753
1	13.751 109.751	0.000	799.06	0.00	9.45	452.3	43.141
1	13.834 109.834	0.000	823.23	0.00	9.61	456.3	45.669
1	13.918 109.918	0.000	848.40	0.00	9.78	460.5	48.340
1	14.001 110.001	0.000	875.72	0.00	9.96	464.9	51.170
1	14.084 110.084	0.000	911.09	0.00	10.15	469.7	54.210
1	14.168 110.168	0.000	960.67	0.00	10.36	474.8	57.556
1	14.251 110.251	0.000	1021.19	0.00	10.59	480.5	61.279
1	14.334 110.334	0.000	1094.90	0.00	10.85	486.9	65.466
1	14.418 110.418	0.000	1193.34	0.00	11.14	493.9	70.283
1	14.501 110.501	0.000	1356.53	0.00	11.49	501.6	76.171
1	14.584 110.584	0.000	1492.23	0.00	11.88	510.3	82.934
1	14.668 110.668	0.000	1583.02	0.00	12.31	520.0	90.256
1	14.751 110.751	0.000	1661.17	0.00	12.76	530.4	98.043
1	14.834 110.834	0.000	1737.02	0.00	13.14	540.0	106.287
1	14.918 110.918	0.000	1808.27	0.00	13.42	547.4	114.971
1	15.001 111.001	0.000	1881.49	0.00	13.71	553.7	124.116
1	15.084 111.084	0.000	1953.82	0.00	14.02	560.4	133.713

1	15.168	111.168	0.000	2029.99	0.00	14.35	567.4	143.786
1	15.251	111.251	0.000	2107.09	0.00	14.69	574.7	154.339
1	15.334	111.334	0.000	2190.26	0.00	15.04	582.3	165.413
1	15.418	111.418	0.000	2261.16	0.00	15.36	589.4	176.927
1	15.501	111.501	0.000	2314.61	0.00	15.69	595.9	188.764
1	15.584	111.584	0.000	2353.79	0.00	16.03	602.7	200.824
1	15.668	111.668	0.000	2385.29	0.00	16.37	609.5	213.054
1	15.751	111.751	0.000	2381.42	0.00	16.71	616.4	225.209
1	15.834	111.834	0.000	2270.74	0.00	17.02	623.0	236.557
1	15.918	111.918	0.000	2271.00	0.00	17.33	629.2	247.865
1	16.001	112.001	0.000	2471.00	0.00	17.67	635.4	260.507
1	16.084	112.084	0.000	2991.95	0.00	18.10	642.9	276.684
1	16.168	112.168	0.000	3710.00	0.00	18.67	652.7	297.740
1	16.251	112.251	0.000	4396.52	0.00	19.35	664.6	323.442
1	16.334	112.334	0.000	5191.94	0.00	20.17	678.5	354.526
1	16.418	112.418	0.000	6336.55	0.00	21.18	695.2	393.379
1	16.501	112.501	0.000	8096.49	0.00	22.47	716.0	444.209
1	16.584	112.584	0.000	6844.24	0.00	23.52	734.7	486.285
1	16.668	112.668	0.000	4977.55	0.00	24.24	745.3	515.433
1	16.751	112.751	0.000	4234.69	0.00	24.83	751.4	539.423
1	16.834	112.834	0.000	3975.03	0.00	25.37	756.8	561.587
1	16.918	112.918	0.000	3705.36	0.00	25.85	762.1	581.857
1	17.001	113.001	0.000	3487.65	0.00	26.30	766.9	600.595
1	17.084	113.084	0.000	3235.76	0.00	26.70	771.4	617.567
1	17.168	113.168	0.000	3028.04	0.00	27.07	775.5	633.081
1	17.251	113.251	0.000	2790.18	0.00	27.39	779.3	646.930
1	17.334	113.334	0.000	2591.97	0.00	27.68	782.9	659.389
1	17.418	113.418	0.000	2392.77	0.00	27.94	786.1	670.454
1	17.501	113.501	0.000	2124.86	0.00	28.15	788.8	679.656
1	17.584	113.584	0.000	1886.69	0.00	28.33	791.1	687.201
1	17.668	113.668	0.000	1715.04	0.00	28.48	793.0	693.551
1	17.751	113.751	0.000	1558.98	0.00	28.60	794.6	698.815
1	17.834	113.834	0.000	1413.20	0.00	28.70	795.9	703.067
1	17.918	113.918	0.000	1316.13	0.00	28.78	796.9	706.643
1	18.001	114.001	0.000	1214.79	0.00	28.85	797.8	709.514
1	18.084	114.084	0.000	1066.59	0.00	28.89	798.5	711.361
1	18.168	114.168	0.000	980.42	0.00	28.92	798.9	712.611
1	18.251	114.251	0.000	924.85	0.00	28.94	799.2	713.477
1	18.334	114.334	0.000	875.77	0.00	28.95	799.4	714.003
1	18.418	114.418	0.000	822.24	0.00	28.95	799.5	714.160
1	18.501	114.501	0.000	758.30	0.00	28.95	799.4	713.877
1	18.584	114.584	0.000	705.67	0.00	28.93	799.3	713.232
1	18.668	114.668	0.000	667.42	0.00	28.91	799.1	712.325
1	18.751	114.751	0.000	635.65	0.00	28.89	798.8	711.201
1	18.834	114.834	0.000	608.22	0.00	28.86	798.5	709.891
1	18.918	114.918	0.000	583.92	0.00	28.82	798.1	708.416
1	19.001	115.001	0.000	561.58	0.00	28.78	797.7	706.789
1	19.084	115.084	0.000	543.39	0.00	28.74	797.2	705.041
1	19.168	115.168	0.000	527.11	0.00	28.70	796.7	703.184
1	19.251	115.251	0.000	513.04	0.00	28.65	796.2	701.234
1	19.335	115.335	0.000	500.38	0.00	28.61	795.7	699.200
1	19.418	115.418	0.000	488.33	0.00	28.56	795.1	697.087
1	19.501	115.501	0.000	476.91	0.00	28.51	794.5	694.900
1	19.585	115.585	0.000	465.84	0.00	28.46	793.9	692.640
1	19.668	115.668	0.000	454.86	0.00	28.40	793.3	690.309
1	19.751	115.751	0.000	443.22	0.00	28.35	792.7	687.903
1	19.835	115.835	0.000	430.23	0.00	28.29	792.0	685.411
1	19.918	115.918	0.000	406.68	0.00	28.23	791.3	682.762
1	20.001	116.001	0.000	389.75	0.00	28.16	790.6	680.002
1	20.085	116.085	0.000	381.46	0.00	28.10	789.8	677.189
1	20.168	116.168	0.000	374.48	0.00	28.03	789.0	674.334
1	20.251	116.251	0.000	367.34	0.00	27.96	788.3	671.435
1	20.335	116.335	0.000	360.20	0.00	27.89	787.5	668.493
1	20.418	116.418	0.000	353.47	0.00	27.82	786.7	665.509
1	20.501	116.501	0.000	347.07	0.00	27.75	785.8	662.488
1	20.585	116.585	0.000	340.98	0.00	27.68	785.0	659.430
1	20.668	116.668	0.000	335.15	0.00	27.61	784.2	656.337
1	20.751	116.751	0.000	329.56	0.00	27.54	783.3	653.212
1	20.835	116.835	0.000	324.20	0.00	27.47	782.5	650.056
1	20.918	116.918	0.000	319.41	0.00	27.39	781.6	646.872
1	21.001	117.001	0.000	315.04	0.00	27.32	780.7	643.665
1	21.085	117.085	0.000	310.85	0.00	27.24	779.9	640.435
1	21.168	117.168	0.000	306.82	0.00	27.17	779.0	637.183
1	21.251	117.251	0.000	302.95	0.00	27.09	778.1	633.911
1	21.335	117.335	0.000	299.22	0.00	27.01	777.2	630.619
1	21.418	117.418	0.000	295.63	0.00	26.94	776.3	627.308
1	21.501	117.501	0.000	292.16	0.00	26.86	775.5	623.979
1	21.585	117.585	0.000	288.80	0.00	26.78	774.7	620.633
1	21.668	117.668	0.000	285.53	0.00	26.70	773.8	617.270
1	21.751	117.751	0.000	282.35	0.00	26.62	773.0	613.890
1	21.835	117.835	0.000	279.25	0.00	26.53	772.2	610.496
1	21.918	117.918	0.000	276.33	0.00	26.45	771.3	607.087
1	22.001	118.001	0.000	273.53	0.00	26.37	770.5	603.664
1	22.085	118.085	0.000	270.81	0.00	26.29	769.6	600.229
1	22.168	118.168	0.000	268.16	0.00	26.21	768.7	596.782
1	22.251	118.251	0.000	265.58	0.00	26.12	767.9	593.322
1	22.335	118.335	0.000	263.06	0.00	26.04	767.0	589.851
1	22.418	118.418	0.000	260.61	0.00	25.96	766.2	586.370
1	22.501	118.501	0.000	258.22	0.00	25.88	765.3	582.877
1	22.585	118.585	0.000	255.88	0.00	25.79	764.4	579.375
1	22.668	118.668	0.000	253.60	0.00	25.71	763.5	575.863
1	22.751	118.751	0.000	251.37	0.00	25.62	762.7	572.342
1	22.835	118.835	0.000	249.19	0.00	25.54	761.8	568.812
1	22.918	118.918	0.000	247.06	0.00	25.46	760.9	565.273
1	23.001	119.001	0.000	244.98	0.00	25.37	760.0	561.726
1	23.085	119.085	0.000	242.95	0.00	25.29	759.1	558.171
1	23.168	119.168	0.000	240.95	0.00	25.20	758.2	554.608
1	23.251	119.251	0.000	239.01	0.00	25.12	757.4	551.038
1	23.335	119.335	0.000	237.10	0.00	25.03	756.5	547.461
1	23.418	119.418	0.000	235.23	0.00	24.94	755.6	543.878
1	23.501	119.501	0.000	233.40	0.00	24.85	754.8	540.287
1	23.585	119.585	0.000	231.61	0.00	24.77	753.9	536.690
1	23.668	119.668	0.000	229.85	0.00	24.68	753.1	533.086
1	23.751	119.751	0.000	228.13	0.00	24.59	752.3	529.476
1	23.835	119.835	0.000	226.44	0.00	24.50	751.4	525.861
1	23.918	119.918	0.000	224.79	0.00	24.41	750.6	522.239
1	24.001	120.001	0.000	223.16	0.00	24.32	749.8	518.612
1	24.085	120.085	0.000	219.19	0.00	24.23	748.9	514.964
1	24.168	120.168	0.000	211.46	0.00	24.14	748.1	511.268
1	24.251	120.251	0.000	200.67	0.00	24.04	747.2	507.504
1	24.335	120.335	0.000	186.59	0.00	23.95	746.4	503.648
1	24.418	120.418	0.000	165.13	0.00	23.85	745.5	499.652
1	24.501	120.501	0.000	124.17	0.00	23.75	744.5	495.379
1	24.585	120.585	0.000	92.43	0.00	23.63	743.5	490.895
1	24.668	120.668	0.000	75.96	0.00	23.52	742.5	486.305
1	24.751	120.751	0.000	64.06	0.00	23.41	741.4	481.640
1	24.835	120.835	0.000	54.11	0.00	23.29	740.3	476.914
1	24.918	120.918	0.000	46.31	0.00	23.17	739.2	472.142
1	25.001	121.001	0.000	39.39	0.00	23.05	738.1	467.329
1	25.085	121.085	0.000	33.63	0.00	22.93	736.7	462.487
1	25.168	121.168	0.000	28.51	0.00	22.81	734.8	457.623
1	25.251	121.251	0.000	24.33	0.00	22.68	732.5	452.746
1	25.335	121.335	0.000	20.66	0.00	22.56	730.3	447.858
1	25.418	121.418	0.000	17.33	0.00	22.44	728.1	442.963
1	25.501	121.501	0.000	14.48	0.00	22.31	725.9	438.064
1	25.585	121.585	0.000	12.10	0.00	22.19	723.6	433.164
1	25.668	121.668	0.000	10.05	0.00	22.06	721.4	428.265
1	25.751	121.751	0.000	8.37	0.00	21.94	719.2	423.370
1	25.835	121.835	0.000	7.14	0.00	21.81	716.9	418.481
1	25.918	121.918	0.000	5.91	0.00	21.69	714.7	413.600
1	26.001	122.001	0.000	4.77	0.00	21.57	712.5	408.726
1	26.085	122.085	0.000	4.36	0.00	21.44	710.3	403.864
1	26.168	122.168	0.000	4.14	0.00	21.32	708.1	399.016
1	26.251	122.251	0.000	3.92	0.00	21.20	705.8	394.182

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  1  26.335 122.335        0.000     3.70     0.00     21.08    703.6    389.361
  1  26.418 122.418        0.000     3.49     0.00     20.95    701.4    384.555
  1  26.501 122.501        0.000     3.28     0.00     20.83    699.2    379.762
  1  26.585 122.585        0.000     3.07     0.00     20.70    696.9    374.984
  1  26.668 122.668        0.000     2.86     0.00     20.58    694.6    370.220
  1  26.751 122.751        0.000     2.65     0.00     20.45    692.3    365.470
  1  26.835 122.835        0.000     2.44     0.00     20.33    690.0    360.734
  1  26.918 122.918        0.000     2.24     0.00     20.20    687.8    356.013
  1  27.001 123.001        0.000     2.03     0.00     20.08    685.5    351.306
  1  27.085 123.085        0.000     1.83     0.00     19.96    683.3    346.613
  1  27.168 123.168        0.000     1.63     0.00     19.84    681.0    341.934
  1  27.251 123.251        0.000     1.43     0.00     19.71    678.8    337.269
  1  27.335 123.335        0.000     1.23     0.00     19.59    676.5    332.618
  1  27.418 123.418        0.000     1.03     0.00     19.47    674.3    327.981
  1  27.501 123.501        0.000     0.84     0.00     19.35    672.1    323.358
  1  27.585 123.585        0.000     0.64     0.00     19.23    669.9    318.749
  1  27.668 123.668        0.000     0.45     0.00     19.11    667.7    314.153
  1  27.751 123.751        0.000     0.26     0.00     18.99    665.5    309.572
  1  27.835 123.835        0.000     0.07     0.00     18.87    663.2    305.005
  1  27.918 123.918        0.000     0.00     0.00     18.74    660.8    300.454
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
--------------------------------------------------------------------------------
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1991.048 AF
    BASIN  STORAGE =      0.000 AF (WITH      0.000 AF INITIALLY FILLED)
    OUTFLOW VOLUME =   1991.116 AF
    LOSS    VOLUME =      0.000 AF
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE =  11
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  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      200.0     400.0     600.0     800.0
--------------------------------------------------------------------------------
  96.000    524.2094     57.23  . Q       V         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    524.6074     57.79  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    525.0261     60.79  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    525.4836     66.42  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    525.9968     74.52  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    526.5951     86.88  .   Q     V         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    527.3527    110.01  .    Q    V         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    528.2939    136.66  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    529.3502    153.38  .      Q  V         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    530.4742    163.21  .       Q V         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    531.6533    171.19  .       Q V         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    532.8777    177.79  .       Q V         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    534.1408    183.40  .        QV         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    535.4380    188.35  .        QV         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    536.7651    192.70  .        QV         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    538.1185    196.52  .        QV         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    539.4950    199.87  .        QV         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    540.8928    202.96  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    542.3101    205.79  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    543.7446    208.29  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    545.1946    210.54  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    546.6584    212.55  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    548.1342    214.28  .         QV        .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    549.6210    215.88  .         QV        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    551.1187    217.47  .         QV        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    552.6252    218.75  .         QV        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    554.1383    219.70  .         QV        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    555.6577    220.62  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    557.1835    221.54  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    558.7157    222.48  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    560.2544    223.42  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    561.7997    224.37  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    563.3516    225.34  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    564.9102    226.31  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    566.4755    227.28  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    568.0476    228.27  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    569.6266    229.27  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    571.2126    230.28  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    572.8055    231.30  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    574.4056    232.33  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    576.0128    233.37  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    577.6272    234.41  .         .Q        .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    579.2489    235.47  .         .Q        .         .         .
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(PEAK DAY 1, HOUR   3.500)
 99.583    580.8779    236.54  .         .Q        .         .         .
(PEAK DAY 1, HOUR   3.583)
 99.667    582.5144    237.62  .         .Q        .         .         .
(PEAK DAY 1, HOUR   3.667)
 99.750    584.1584    238.71  .         .Q        .         .         .
(PEAK DAY 1, HOUR   3.750)
 99.833    585.8100    239.81  .         .Q        .         .         .
(PEAK DAY 1, HOUR   3.833)
 99.917    587.4689    240.87  .         .VQ       .         .         .
(PEAK DAY 1, HOUR   3.917)
100.000    589.1347    241.87  .         .VQ       .         .         .
(PEAK DAY 1, HOUR   4.000)
100.083    590.8073    242.87  .         .VQ       .         .         .
(PEAK DAY 1, HOUR   4.083)
100.167    592.4869    243.87  .         .VQ       .         .         .
(PEAK DAY 1, HOUR   4.167)
100.250    594.1734    244.88  .         .VQ       .         .         .
(PEAK DAY 1, HOUR   4.250)
100.333    595.8670    245.91  .         .VQ       .         .         .
(PEAK DAY 1, HOUR   4.333)
100.417    597.5677    246.95  .         . Q       .         .         .
(PEAK DAY 1, HOUR   4.417)
100.500    599.2757    247.99  .         . Q       .         .         .
(PEAK DAY 1, HOUR   4.500)
100.583    600.9909    249.05  .         . Q       .         .         .
(PEAK DAY 1, HOUR   4.583)
100.667    602.7135    250.12  .         . Q       .         .         .
(PEAK DAY 1, HOUR   4.667)
100.750    604.4436    251.21  .         . Q       .         .         .
(PEAK DAY 1, HOUR   4.750)
100.833    606.1813    252.31  .         . Q       .         .         .
(PEAK DAY 1, HOUR   4.833)
100.917    607.9266    253.42  .         . Q       .         .         .
(PEAK DAY 1, HOUR   4.917)
101.000    609.6796    254.54  .         . Q       .         .         .
(PEAK DAY 1, HOUR   5.000)
101.083    611.4404    255.67  .         . Q       .         .         .
(PEAK DAY 1, HOUR   5.083)
101.167    613.2091    256.82  .         . Q       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250    614.9858    257.98  .         . Q       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333    616.7707    259.16  .         . Q       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417    618.5637    260.35  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500    620.3651    261.55  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583    622.1747    262.77  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667    623.9929    264.00  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750    625.8197    265.25  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833    627.6552    266.51  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917    629.4995    267.79  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000    631.3527    269.09  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083    633.2150    270.40  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167    635.0864    271.73  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250    636.9670    273.08  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333    638.8571    274.44  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417    640.7567    275.82  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500    642.6660    277.22  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583    644.5850    278.64  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667    646.5123    279.86  .         . VQ      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750    648.4441    280.50  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833    650.3782    280.84  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917    652.3159    281.35  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000    654.2582    282.01  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083    656.2058    282.80  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167    658.1596    283.69  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250    660.1203    284.69  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333    662.0884    285.78  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417    664.0646    286.94  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500    666.0493    288.17  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583    668.0428    289.47  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667    670.0458    290.83  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750    672.0584    292.24  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833    674.0811    293.70  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917    676.1142    295.20  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   7.917)
104.000    678.1580    296.75  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083    680.2127    298.35  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167    682.2787    299.98  .         .  VQ     .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250    684.3561    301.65  .         .  V Q    .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333    686.4454    303.35  .         .  V Q    .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417    688.5466    305.10  .         .  V Q    .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500    690.6600    306.88  .         .  V Q    .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583    692.7860    308.69  .         .  V Q    .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667    694.9247    310.54  .         .  V Q    .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750    697.0764    312.42  .         .   VQ    .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833    699.2413    314.34  .         .   VQ    .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917    701.4197    316.30  .         .   VQ    .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000    703.6108    318.14  .         .   VQ    .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083    705.8107    319.44  .         .   VQ    .         .         .
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 (PEAK DAY 1, HOUR   9.083)
105.167    708.0169    320.34  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR   9.167)
105.250    710.2299    321.33  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR   9.250)
105.333    712.4503    322.40  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR   9.333)
105.417    714.6786    323.56  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500    716.9155    324.79  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    719.1613    326.09  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    721.4166    327.47  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    723.6819    328.93  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    725.9578    330.45  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    728.2447    332.05  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    730.5430    333.71  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    732.8532    335.45  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    735.1758    337.25  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    737.5114    339.12  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    739.8602    341.06  .         .   V  Q  .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    742.2229    343.06  .         .   V  Q  .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    744.5999    345.13  .         .   V  Q  .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    746.9915    347.27  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    749.3984    349.48  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    751.8207    351.73  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    754.2554    353.52  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    756.6995    354.88  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    759.1534    356.31  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    761.6176    357.81  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    764.0927    359.39  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    766.5792    361.04  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    769.0776    362.77  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    771.5885    364.58  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    774.1124    366.46  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    776.6498    368.43  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    779.2012    370.47  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    781.7673    372.60  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    784.3486    374.81  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    786.9457    377.10  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    789.5593    379.48  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    792.1899    381.98  .         .    V   Q.         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    794.8367    384.31  .         .    V   Q.         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    797.4963    386.17  .         .     V  Q.         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    800.1678    387.91  .         .     V  Q.         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    802.8531    389.92  .         .     V  Q.         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    805.5554    392.37  .         .     V  Q.         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    808.2780    395.32  .         .     V  Q.         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    811.0234    398.63  .         .     V  Q.         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    813.7930    402.16  .         .     V   Q         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    816.5883    405.88  .         .     V   Q         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    819.4104    409.77  .         .     V   Q         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    822.2603    413.80  .         .     V   Q         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    825.1390    417.98  .         .     V   Q         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    828.0474    422.30  .         .     V   .Q        .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    830.9865    426.76  .         .     V   .Q        .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    833.9573    431.36  .         .     V   .Q        .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    836.9609    436.13  .         .     V   .Q        .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    839.9974    440.90  .         .     V   . Q       .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    843.0620    444.97  .         .     V   . Q       .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    846.1509    448.52  .         .     V   . Q       .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    849.2658    452.28  .         .      V  . Q       .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    852.4081    456.26  .         .      V  . Q       .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    855.5793    460.46  .         .      V  .  Q      .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    858.7811    464.91  .         .      V  .  Q      .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    862.0157    469.66  .         .      V  .  Q      .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    865.2858    474.82  .         .      V  .  Q      .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    868.5953    480.54  .         .      V  .   Q     .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    871.9489    486.94  .         .      V  .   Q     .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    875.3506    493.92  .         .      V  .   Q     .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    878.8049    501.57  .         .      V  .    Q    .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    882.3192    510.27  .         .      V  .    Q    .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    885.9002    519.96  .         .      V  .    Q    .         .
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 (PEAK DAY 1, HOUR  14.667)
110.750    889.5528    530.36  .         .      V  .     Q   .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    893.2718    540.00  .         .      V  .     Q   .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    897.0416    547.37  .         .       V .      Q  .         .
 (PEAK DAY 1, HOUR  14.917)
111.000    900.8550    553.71  .         .       V .      Q  .         .
 (PEAK DAY 1, HOUR  15.000)
111.083    904.7144    560.38  .         .       V .       Q .         .
 (PEAK DAY 1, HOUR  15.083)
111.167    908.6219    567.38  .         .       V .       Q .         .
 (PEAK DAY 1, HOUR  15.167)
111.250    912.5800    574.71  .         .       V .       Q .         .
 (PEAK DAY 1, HOUR  15.250)
111.333    916.5902    582.29  .         .       V .        Q.         .
 (PEAK DAY 1, HOUR  15.333)
111.417    920.6491    589.36  .         .       V .        Q.         .
 (PEAK DAY 1, HOUR  15.417)
111.500    924.7534    595.94  .         .       V .        Q.         .
 (PEAK DAY 1, HOUR  15.500)
111.583    928.9041    602.68  .         .       V .         Q         .
 (PEAK DAY 1, HOUR  15.583)
111.667    933.1019    609.53  .         .       V .         Q         .
 (PEAK DAY 1, HOUR  15.667)
111.750    937.3470    616.40  .         .       V .         Q         .
 (PEAK DAY 1, HOUR  15.750)
111.833    941.6378    623.01  .         .       V .         .Q        .
 (PEAK DAY 1, HOUR  15.833)
111.917    945.9708    629.15  .         .        V.         .Q        .
 (PEAK DAY 1, HOUR  15.917)
112.000    950.3469    635.41  .         .        V.         .Q        .
 (PEAK DAY 1, HOUR  16.000)
112.083    954.7750    642.95  .         .        V.         . Q       .
 (PEAK DAY 1, HOUR  16.083)
112.167    959.2700    652.68  .         .        V.         . Q       .
 (PEAK DAY 1, HOUR  16.167)
112.250    963.8472    664.61  .         .        V.         .  Q      .
 (PEAK DAY 1, HOUR  16.250)
112.333    968.5200    678.49  .         .        V.         .  Q      .
 (PEAK DAY 1, HOUR  16.333)
112.417    973.3076    695.16  .         .        V.         .   Q     .
 (PEAK DAY 1, HOUR  16.417)
112.500    978.2385    715.96  .         .        V.         .    Q    .
 (PEAK DAY 1, HOUR  16.500)
112.583    983.2986    734.74  .         .        V.         .     Q   .
 (PEAK DAY 1, HOUR  16.583)
112.667    988.4315    745.29  .         .        V.         .      Q  .
 (PEAK DAY 1, HOUR  16.667)
112.750    993.6063    751.39  .         .        V.         .      Q  .
 (PEAK DAY 1, HOUR  16.750)
112.833    998.8187    756.84  .         .         V         .      Q  .
 (PEAK DAY 1, HOUR  16.833)
112.917   1004.0671    762.07  .         .         V         .       Q .
 (PEAK DAY 1, HOUR  16.917)
113.000   1009.3490    766.93  .         .         V         .       Q .
 (PEAK DAY 1, HOUR  17.000)
113.083   1014.6616    771.38  .         .         V         .       Q .
 (PEAK DAY 1, HOUR  17.083)
113.167   1020.0023    775.47  .         .         V         .       Q .
 (PEAK DAY 1, HOUR  17.167)
113.250   1025.3695    779.32  .         .         V         .       Q .
 (PEAK DAY 1, HOUR  17.250)
113.333   1030.7614    782.89  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  17.333)
113.417   1036.1752    786.09  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  17.417)
113.500   1041.6080    788.84  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  17.500)
113.583   1047.0565    791.12  .         .         .V        .        Q.
 (PEAK DAY 1, HOUR  17.583)
113.667   1052.5181    793.01  .         .         .V        .        Q.
 (PEAK DAY 1, HOUR  17.667)
113.750   1057.9905    794.59  .         .         .V        .        Q.
 (PEAK DAY 1, HOUR  17.750)
113.833   1063.4718    795.88  .         .         .V        .        Q.
 (PEAK DAY 1, HOUR  17.833)
113.917   1068.9604    796.94  .         .         .V        .        Q.
 (PEAK DAY 1, HOUR  17.917)
114.000   1074.4551    797.82  .         .         .V        .        Q.
 (PEAK DAY 1, HOUR  18.000)
114.083   1079.9541    798.46  .         .         .V        .        Q.
 (PEAK DAY 1, HOUR  18.083)
114.167   1085.4561    798.88  .         .         .V        .        Q.
 (PEAK DAY 1, HOUR  18.167)
114.250   1090.9600    799.17  .         .         .V        .        Q.
 (PEAK DAY 1, HOUR  18.250)
114.333   1096.4652    799.36  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  18.333)
114.417   1101.9711    799.45  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  18.417)
114.500   1107.4768    799.43  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  18.500)
114.583   1112.9817    799.31  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  18.583)
114.667   1118.4851    799.10  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  18.667)
114.750   1123.9866    798.82  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  18.750)
114.833   1129.4858    798.49  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  18.833)
114.917   1134.9824    798.11  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  18.917)
115.000   1140.4762    797.69  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  19.000)
115.083   1145.9668    797.23  .         .         .  V      .        Q.
 (PEAK DAY 1, HOUR  19.083)
115.167   1151.4540    796.74  .         .         .  V      .        Q.
 (PEAK DAY 1, HOUR  19.167)
115.250   1156.9376    796.22  .         .         .  V      .        Q.
 (PEAK DAY 1, HOUR  19.250)
115.333   1162.4175    795.68  .         .         .  V      .        Q.
 (PEAK DAY 1, HOUR  19.333)
115.417   1167.8936    795.12  .         .         .  V      .        Q.
 (PEAK DAY 1, HOUR  19.417)
115.500   1173.3656    794.54  .         .         .  V      .        Q.
 (PEAK DAY 1, HOUR  19.500)
115.583   1178.8335    793.93  .         .         .  V      .        Q.
 (PEAK DAY 1, HOUR  19.583)
115.667   1184.2970    793.31  .         .         .  V      .        Q.
 (PEAK DAY 1, HOUR  19.667)
115.750   1189.7561    792.66  .         .         .  V      .        Q.
 (PEAK DAY 1, HOUR  19.750)
115.833   1195.2107    792.00  .         .         .   V     .        Q.
 (PEAK DAY 1, HOUR  19.833)
115.917   1200.6604    791.30  .         .         .   V     .        Q.
 (PEAK DAY 1, HOUR  19.917)
116.000   1206.1051    790.56  .         .         .   V     .        Q.
 (PEAK DAY 1, HOUR  20.000)
116.083   1211.5446    789.81  .         .         .   V     .        Q.
 (PEAK DAY 1, HOUR  20.083)
116.167   1216.9786    789.04  .         .         .   V     .        Q.
 (PEAK DAY 1, HOUR  20.167)
116.250   1222.4073    788.26  .         .         .   V     .        Q.
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(PEAK DAY 1, HOUR  20.250)
116.333   1227.8307    787.46  .         .         .   V     .         Q.
(PEAK DAY 1, HOUR  20.333)
116.417   1233.2484    786.66  .         .         .   V     .         Q.
(PEAK DAY 1, HOUR  20.417)
116.500   1238.6605    785.84  .         .         .   V     .         Q.
(PEAK DAY 1, HOUR  20.500)
116.583   1244.0669    785.01  .         .         .   V     .         Q.
(PEAK DAY 1, HOUR  20.583)
116.667   1249.4675    784.18  .         .         .    V    .         Q.
(PEAK DAY 1, HOUR  20.667)
116.750   1254.8624    783.33  .         .         .    V    .         Q.
(PEAK DAY 1, HOUR  20.750)
116.833   1260.2515    782.48  .         .         .    V    .         Q.
(PEAK DAY 1, HOUR  20.833)
116.917   1265.6345    781.62  .         .         .    V    .         Q.
(PEAK DAY 1, HOUR  20.917)
117.000   1271.0116    780.75  .         .         .    V    .         Q.
(PEAK DAY 1, HOUR  21.000)
117.083   1276.3827    779.87  .         .         .    V    .       Q .
(PEAK DAY 1, HOUR  21.083)
117.167   1281.7477    778.99  .         .         .    V    .       Q .
(PEAK DAY 1, HOUR  21.167)
117.250   1287.1066    778.11  .         .         .    V    .       Q .
(PEAK DAY 1, HOUR  21.250)
117.333   1292.4594    777.22  .         .         .    V    .       Q .
(PEAK DAY 1, HOUR  21.333)
117.417   1297.8062    776.35  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  21.417)
117.500   1303.1471    775.51  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  21.500)
117.583   1308.4824    774.68  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  21.583)
117.667   1313.8119    773.84  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  21.667)
117.750   1319.1356    773.00  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  21.750)
117.833   1324.4535    772.16  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  21.833)
117.917   1329.7655    771.31  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  21.917)
118.000   1335.0717    770.46  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  22.000)
118.083   1340.3719    769.60  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  22.083)
118.167   1345.6664    768.75  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  22.167)
118.250   1350.9548    767.88  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  22.250)
118.333   1356.2373    767.02  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  22.333)
118.417   1361.5138    766.15  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  22.417)
118.500   1366.7843    765.28  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  22.500)
118.583   1372.0488    764.41  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  22.583)
118.667   1377.3074    763.54  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  22.667)
118.750   1382.5598    762.66  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  22.750)
118.833   1387.8063    761.78  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  22.833)
118.917   1393.0466    760.90  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  22.917)
119.000   1398.2809    760.01  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  23.000)
119.083   1403.5090    759.13  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  23.083)
119.167   1408.7311    758.24  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  23.167)
119.250   1413.9470    757.35  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  23.250)
119.333   1419.1569    756.46  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  23.333)
119.417   1424.3606    755.59  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  23.417)
119.500   1429.5586    754.75  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  23.500)
119.583   1434.7510    753.93  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  23.583)
119.667   1439.9376    753.10  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  23.667)
119.750   1445.1185    752.27  .         .         .        V.       Q .
(PEAK DAY 1, HOUR  23.750)
119.833   1450.2938    751.44  .         .         .        V.       Q .
(PEAK DAY 1, HOUR  23.833)
119.917   1455.4634    750.61  .         .         .        V.       Q .
(PEAK DAY 1, HOUR  23.917)
120.000   1460.6272    749.78  .         .         .        V.       Q .
(PEAK DAY 1, HOUR  24.000)
120.083   1465.7853    748.95  .         .         .        V.       Q .
(PEAK DAY 1, HOUR  24.083)
120.167   1470.9375    748.10  .         .         .        V.       Q .
(PEAK DAY 1, HOUR  24.167)
120.250   1476.0839    747.25  .         .         .        V.       Q .
(PEAK DAY 1, HOUR  24.250)
120.333   1481.2241    746.37  .         .         .        V.       Q .
(PEAK DAY 1, HOUR  24.333)
120.417   1486.3582    745.47  .         .         .        V.       Q .
(PEAK DAY 1, HOUR  24.417)
120.500   1491.4857    744.52  .         .         .        V.       Q .
(PEAK DAY 1, HOUR  24.500)
120.583   1496.6063    743.52  .         .         .         V       Q .
(PEAK DAY 1, HOUR  24.583)
120.667   1501.7197    742.47  .         .         .         V       Q .
(PEAK DAY 1, HOUR  24.667)
120.750   1506.8258    741.41  .         .         .         V       Q .
(PEAK DAY 1, HOUR  24.750)
120.833   1511.9246    740.33  .         .         .         V       Q .
(PEAK DAY 1, HOUR  24.833)
120.917   1517.0157    739.24  .         .         .         V     Q   .
(PEAK DAY 1, HOUR  24.917)
121.000   1522.0994    738.14  .         .         .         V     Q   .
(PEAK DAY 1, HOUR  25.000)
121.083   1527.1732    736.73  .         .         .         V     Q   .
(PEAK DAY 1, HOUR  25.083)
121.167   1532.2335    734.76  .         .         .         V     Q   .
(PEAK DAY 1, HOUR  25.167)
121.250   1537.2786    732.54  .         .         .         V     Q   .
(PEAK DAY 1, HOUR  25.250)
121.333   1542.3082    730.31  .         .         .         V     Q   .
(PEAK DAY 1, HOUR  25.333)
121.417   1547.3226    728.08  .         .         .         .V    Q   .
(PEAK DAY 1, HOUR  25.417)
121.500   1552.3217    725.85  .         .         .         .V    Q   .
(PEAK DAY 1, HOUR  25.500)
121.583   1557.3053    723.62  .         .         .         .V    Q   .
(PEAK DAY 1, HOUR  25.583)
121.667   1562.2736    721.39  .         .         .         .V    Q   .
(PEAK DAY 1, HOUR  25.667)
121.750   1567.2264    719.16  .         .         .         .V  Q     .
(PEAK DAY 1, HOUR  25.750)
121.833   1572.1639    716.93  .         .         .         .V  Q     .
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 (PEAK DAY 1, HOUR  25.833)
 121.917   1577.0862    714.70  .         .         .         .V   Q    .
 (PEAK DAY 1, HOUR  25.917)
 122.000   1581.9930    712.48  .         .         .         .V   Q    .
 (PEAK DAY 1, HOUR  26.000)
 122.083   1586.8846    710.26  .         .         .         .V   Q    .
 (PEAK DAY 1, HOUR  26.083)
 122.167   1591.7610    708.05  .         .         .         .V   Q    .
 (PEAK DAY 1, HOUR  26.167)
 122.250   1596.6222    705.85  .         .         .         . V  Q    .
 (PEAK DAY 1, HOUR  26.250)
 122.333   1601.4683    703.65  .         .         .         . V  Q    .
 (PEAK DAY 1, HOUR  26.333)
 122.417   1606.2991    701.43  .         .         .         . V  Q    .
 (PEAK DAY 1, HOUR  26.417)
 122.500   1611.1143    699.17  .         .         .         . V Q     .
 (PEAK DAY 1, HOUR  26.500)
 122.583   1615.9137    696.88  .         .         .         . V Q     .
 (PEAK DAY 1, HOUR  26.583)
 122.667   1620.6974    694.59  .         .         .         . V Q     .
 (PEAK DAY 1, HOUR  26.667)
 122.750   1625.4653    692.31  .         .         .         . V Q     .
 (PEAK DAY 1, HOUR  26.750)
 122.833   1630.2177    690.04  .         .         .         . V Q     .
 (PEAK DAY 1, HOUR  26.833)
 122.917   1634.9543    687.77  .         .         .         . V Q     .
 (PEAK DAY 1, HOUR  26.917)
 123.000   1639.6755    685.52  .         .         .         . V Q     .
 (PEAK DAY 1, HOUR  27.000)
 123.083   1644.3812    683.26  .         .         .         .  VQ     .
 (PEAK DAY 1, HOUR  27.083)
 123.167   1649.0714    681.02  .         .         .         .  VQ     .
 (PEAK DAY 1, HOUR  27.167)
 123.250   1653.7462    678.78  .         .         .         .  Q      .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1658.4056    676.55  .         .         .         .  Q      .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1663.0498    674.32  .         .         .         .  Q      .
 (PEAK DAY 1, HOUR  27.417)
 123.500   1667.6786    672.11  .         .         .         .  Q      .
 (PEAK DAY 1, HOUR  27.500)
 123.583   1672.2922    669.90  .         .         .         .  Q      .
 (PEAK DAY 1, HOUR  27.583)
 123.667   1676.8906    667.69  .         .         .         .  Q      .
 (PEAK DAY 1, HOUR  27.667)
 123.750   1681.4739    665.48  .         .         .         .  Q      .
 (PEAK DAY 1, HOUR  27.750)
 123.833   1686.0413    663.18  .         .         .         .  Q      .
 (PEAK DAY 1, HOUR  27.833)
 123.917   1690.5922    660.80  .         .         .         .  Q      .
 (PEAK DAY 1, HOUR  27.917)
 124.000   1695.1267    658.42  .         .         .         . Q V     .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  END OF FLOODSCx ROUTING ANALYSIS



*******************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE = 5.2
-------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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          *** Note: This link/process output is based on its ***
          *** tributary area being adjusted, for depth-area  ***
          *** effects, using a specified area of  4741.3 Ac. ***

          THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
          TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
          INTERVALS(Reference: the National Engineering Handbook,
          Hydrology, Chapter 17, page 17-52, August,1972,
          U.S. Department of Commerce).


          ASSUMED REGULAR CHANNEL INFORMATION:
            BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
            UPSTREAM ELEVATION(FT) =     408.00
            DOWNSTREAM ELEVATION(FT) =     382.00
            CHANNEL LENGTH(FT) =    2533.00     MANNING'S FACTOR = 0.040
            CONSTANT LOSS RATE(CFS) =    0.00


          CHANNEL ROUTING COEFFICIENT ESTIMATED:
            MAXIMUM INFLOW(CFS) =   799.45
            AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =   627.19
            CHANNEL NORMAL VELOCITY FOR Q =   627.19 CFS =   7.47 FPS
            ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.815

          MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
          UNIT INTERVALS IS CSTAR = 0.832


          CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	57.23	57.70	57.70
1	0.083	96.083	57.79	57.34	57.34
1	0.167	96.167	60.79	57.91	57.91
1	0.250	96.250	66.42	60.68	60.68
1	0.333	96.333	74.52	65.99	65.99
1	0.417	96.417	86.88	73.90	73.90
1	0.500	96.500	110.01	86.22	86.22
1	0.583	96.583	136.66	107.76	107.76
1	0.667	96.667	153.38	132.90	132.90
1	0.750	96.750	163.21	150.58	150.58
1	0.833	96.833	171.19	161.61	161.61
1	0.917	96.917	177.79	170.01	170.01
1	1.000	97.000	183.40	176.85	176.85
1	1.083	97.083	188.35	182.62	182.62
1	1.167	97.167	192.70	187.67	187.67
1	1.250	97.250	196.52	192.10	192.10
1	1.333	97.333	199.87	196.00	196.00
1	1.417	97.417	202.96	199.42	199.42
1	1.500	97.500	205.79	202.55	202.55
1	1.583	97.583	208.29	205.41	205.41
1	1.667	97.667	210.54	207.95	207.95
1	1.750	97.750	212.55	210.23	210.23
1	1.833	97.833	214.28	212.27	212.27
1	1.917	97.917	215.88	214.05	214.05
1	2.000	98.000	217.47	215.67	215.67
1	2.083	98.083	218.75	217.25	217.25
1	2.167	98.167	219.70	218.56	218.56
1	2.250	98.250	220.62	219.57	219.57
1	2.333	98.333	221.54	220.50	220.50
1	2.417	98.417	222.48	221.43	221.43
1	2.500	98.500	223.42	222.36	222.36
1	2.583	98.583	224.37	223.31	223.31
1	2.667	98.667	225.34	224.26	224.26

1	2.750	98.750	226.31	225.22	225.22
1	2.833	98.833	227.28	226.19	226.19
1	2.917	98.917	228.27	227.17	227.17
1	3.000	99.000	229.27	228.15	228.15
1	3.083	99.083	230.28	229.15	229.15
1	3.167	99.167	231.30	230.16	230.16
1	3.250	99.250	232.33	231.17	231.17
1	3.333	99.333	233.37	232.20	232.20
1	3.417	99.417	234.41	233.24	233.24
1	3.500	99.500	235.47	234.29	234.29
1	3.583	99.583	236.54	235.34	235.34
1	3.667	99.667	237.62	236.41	236.41
1	3.750	99.750	238.71	237.49	237.49
1	3.833	99.833	239.81	238.58	238.58
1	3.917	99.917	240.87	239.67	239.67
1	4.000	100.000	241.87	240.74	240.74
1	4.083	100.083	242.87	241.75	241.75
1	4.167	100.167	243.87	242.74	242.74
1	4.250	100.250	244.88	243.75	243.75
1	4.333	100.333	245.91	244.76	244.76
1	4.417	100.417	246.95	245.78	245.78
1	4.500	100.500	247.99	246.82	246.82
1	4.583	100.583	249.05	247.87	247.87
1	4.667	100.667	250.12	248.92	248.92
1	4.750	100.750	251.21	249.99	249.99
1	4.833	100.833	252.31	251.08	251.08
1	4.917	100.917	253.42	252.17	252.17
1	5.000	101.000	254.54	253.28	253.28
1	5.083	101.083	255.67	254.40	254.40
1	5.167	101.167	256.82	255.53	255.53
1	5.250	101.250	257.98	256.68	256.68
1	5.333	101.333	259.16	257.84	257.84
1	5.417	101.417	260.35	259.01	259.01
1	5.500	101.500	261.55	260.20	260.20
1	5.583	101.583	262.77	261.40	261.40
1	5.667	101.667	264.00	262.62	262.62
1	5.750	101.750	265.25	263.85	263.85
1	5.833	101.833	266.51	265.10	265.10
1	5.917	101.917	267.79	266.36	266.36
1	6.000	102.000	269.09	267.64	267.64
1	6.083	102.083	270.40	268.93	268.93
1	6.167	102.167	271.73	270.24	270.24
1	6.250	102.250	273.08	271.57	271.57
1	6.333	102.333	274.44	272.91	272.91
1	6.417	102.417	275.82	274.27	274.27
1	6.500	102.500	277.22	275.65	275.65
1	6.583	102.583	278.64	277.05	277.05
1	6.667	102.667	279.86	278.45	278.45
1	6.750	102.750	280.50	279.66	279.66
1	6.833	102.833	280.84	280.38	280.38
1	6.917	102.917	281.35	280.80	280.80
1	7.000	103.000	282.01	281.30	281.30
1	7.083	103.083	282.80	281.95	281.95
1	7.167	103.167	283.69	282.71	282.71
1	7.250	103.250	284.69	283.60	283.60
1	7.333	103.333	285.78	284.58	284.58
1	7.417	103.417	286.94	285.65	285.65
1	7.500	103.500	288.17	286.80	286.80
1	7.583	103.583	289.47	288.03	288.03
1	7.667	103.667	290.83	289.32	289.32
1	7.750	103.750	292.24	290.67	290.67
1	7.833	103.833	293.70	292.07	292.07
1	7.917	103.917	295.20	293.52	293.52
1	8.000	104.000	296.75	295.02	295.02
1	8.083	104.083	298.35	296.57	296.57
1	8.167	104.167	299.98	298.15	298.15
1	8.250	104.250	301.65	299.78	299.78
1	8.333	104.333	303.35	301.45	301.45
1	8.417	104.417	305.10	303.15	303.15
1	8.500	104.500	306.88	304.89	304.89
1	8.583	104.583	308.69	306.66	306.66
1	8.667	104.667	310.54	308.47	308.47
1	8.750	104.750	312.42	310.32	310.32
1	8.833	104.833	314.34	312.20	312.20
1	8.917	104.917	316.30	314.11	314.11
1	9.000	105.000	318.14	316.05	316.05
1	9.083	105.083	319.44	317.88	317.88
1	9.167	105.167	320.34	319.23	319.23
1	9.250	105.250	321.33	320.22	320.22
1	9.333	105.333	322.40	321.21	321.21
1	9.417	105.417	323.56	322.28	322.28
1	9.500	105.500	324.79	323.42	323.42
1	9.583	105.583	326.09	324.64	324.64
1	9.667	105.667	327.47	325.94	325.94
1	9.750	105.750	328.93	327.31	327.31
1	9.833	105.833	330.45	328.76	328.76
1	9.917	105.917	332.05	330.27	330.27
1	10.000	106.000	333.71	331.86	331.86
1	10.083	106.083	335.45	333.52	333.52
1	10.167	106.167	337.25	335.24	335.24
1	10.250	106.250	339.12	337.04	337.04
1	10.333	106.333	341.06	338.90	338.90
1	10.417	106.417	343.06	340.83	340.83
1	10.500	106.500	345.13	342.82	342.82
1	10.583	106.583	347.27	344.89	344.89
1	10.667	106.667	349.48	347.02	347.02
1	10.750	106.750	351.73	349.21	349.21
1	10.833	106.833	353.52	351.42	351.42
1	10.917	106.917	354.88	353.26	353.26
1	11.000	107.000	356.31	354.70	354.70
1	11.083	107.083	357.81	356.13	356.13
1	11.167	107.167	359.39	357.63	357.63
1	11.250	107.250	361.04	359.20	359.20
1	11.333	107.333	362.77	360.85	360.85
1	11.417	107.417	364.58	362.57	362.57
1	11.500	107.500	366.46	364.37	364.37
1	11.583	107.583	368.43	366.24	366.24
1	11.667	107.667	370.47	368.20	368.20
1	11.750	107.750	372.60	370.23	370.23
1	11.833	107.833	374.81	372.35	372.35
1	11.917	107.917	377.10	374.54	374.54
1	12.000	108.000	379.48	376.83	376.83
1	12.083	108.083	381.98	379.20	379.20
1	12.167	108.167	384.31	381.66	381.66
1	12.250	108.250	386.17	383.99	383.99
1	12.333	108.333	387.91	385.92	385.92
1	12.417	108.417	389.92	387.70	387.70
1	12.500	108.500	392.37	389.71	389.71
1	12.583	108.583	395.32	392.11	392.11
1	12.667	108.667	398.63	395.00	395.00
1	12.750	108.750	402.16	398.25	398.25
1	12.833	108.833	405.88	401.75	401.75
1	12.917	108.917	409.77	405.44	405.44
1	13.000	109.000	413.80	409.31	409.31
1	13.083	109.083	417.98	413.32	413.32
1	13.167	109.167	422.30	417.48	417.48
1	13.250	109.250	426.76	421.78	421.78
1	13.333	109.333	431.36	426.22	426.22
1	13.417	109.417	436.13	430.81	430.81
1	13.500	109.500	440.90	435.55	435.55
1	13.583	109.583	444.97	440.27	440.27
1	13.667	109.667	448.52	444.41	444.41
1	13.750	109.750	452.28	448.08	448.08
1	13.833	109.833	456.26	451.84	451.84

1	13.917	109.917	460.46	455.79	455.79
1	14.000	110.000	464.91	459.97	459.97
1	14.083	110.083	469.66	464.39	464.39
1	14.167	110.167	474.82	469.11	469.11
1	14.250	110.250	480.54	474.24	474.24
1	14.333	110.333	486.94	479.90	479.90
1	14.417	110.417	493.92	486.22	486.22
1	14.500	110.500	501.57	493.13	493.13
1	14.583	110.583	510.27	500.72	500.72
1	14.667	110.667	519.96	509.31	509.31
1	14.750	110.750	530.36	518.86	518.86
1	14.833	110.833	540.00	529.06	529.06
1	14.917	110.917	547.37	538.64	538.64
1	15.000	111.000	553.71	546.32	546.32
1	15.083	111.083	560.38	552.91	552.91
1	15.167	111.167	567.38	559.58	559.58
1	15.250	111.250	574.71	566.55	566.55
1	15.333	111.333	582.29	573.84	573.84
1	15.417	111.417	589.36	581.33	581.33
1	15.500	111.500	595.94	588.44	588.44
1	15.583	111.583	602.68	595.12	595.12
1	15.667	111.667	609.53	601.86	601.86
1	15.750	111.750	616.40	608.69	608.69
1	15.833	111.833	623.01	615.54	615.54
1	15.917	111.917	629.15	622.16	622.16
1	16.000	112.000	635.41	628.39	628.39
1	16.083	112.083	642.95	634.73	634.73
1	16.167	112.167	652.68	642.21	642.21
1	16.250	112.250	664.61	651.71	651.71
1	16.333	112.333	678.49	663.36	663.36
1	16.417	112.417	695.16	677.04	677.04
1	16.500	112.500	715.96	693.48	693.48
1	16.583	112.583	734.74	713.41	713.41
1	16.667	112.667	745.29	731.85	731.85
1	16.750	112.750	751.39	743.43	743.43
1	16.833	112.833	756.84	750.41	750.41
1	16.917	112.917	762.07	756.10	756.10
1	17.000	113.000	766.93	761.38	761.38
1	17.083	113.083	771.38	766.29	766.29
1	17.167	113.167	775.47	770.80	770.80
1	17.250	113.250	779.32	774.94	774.94
1	17.333	113.333	782.89	778.82	778.82
1	17.417	113.417	786.09	782.42	782.42
1	17.500	113.500	788.84	785.65	785.65
1	17.583	113.583	791.12	788.46	788.46
1	17.667	113.667	793.01	790.80	790.80
1	17.750	113.750	794.59	792.74	792.74
1	17.833	113.833	795.88	794.36	794.36
1	17.917	113.917	796.94	795.69	795.69
1	18.000	114.000	797.82	796.79	796.79
1	18.083	114.083	798.46	797.69	797.69
1	18.167	114.167	798.88	798.36	798.36
1	18.250	114.250	799.17	798.81	798.81
1	18.333	114.333	799.36	799.12	799.12
1	18.417	114.417	799.45	799.32	799.32
1	18.500	114.500	799.43	799.43	799.43
1	18.583	114.583	799.31	799.43	799.43
1	18.667	114.667	799.10	799.31	799.31
1	18.750	114.750	798.82	799.12	799.12
1	18.833	114.833	798.49	798.85	798.85
1	18.917	114.917	798.11	798.53	798.53
1	19.000	115.000	797.69	798.15	798.15
1	19.083	115.083	797.23	797.74	797.74
1	19.167	115.167	796.74	797.28	797.28
1	19.250	115.250	796.22	796.80	796.80
1	19.333	115.333	795.68	796.29	796.29
1	19.417	115.417	795.12	795.75	795.75
1	19.500	115.500	794.54	795.19	795.19
1	19.583	115.583	793.93	794.61	794.61
1	19.667	115.667	793.31	794.00	794.00
1	19.750	115.750	792.66	793.38	793.38
1	19.833	115.833	792.00	792.74	792.74
1	19.917	115.917	791.30	792.08	792.08
1	20.000	116.000	790.56	791.38	791.38
1	20.083	116.083	789.81	790.65	790.65
1	20.167	116.167	789.04	789.90	789.90
1	20.250	116.250	788.26	789.13	789.13
1	20.333	116.333	787.46	788.35	788.35
1	20.417	116.417	786.66	787.56	787.56
1	20.500	116.500	785.84	786.75	786.75
1	20.583	116.583	785.01	785.94	785.94
1	20.667	116.667	784.18	785.11	785.11
1	20.750	116.750	783.33	784.28	784.28
1	20.833	116.833	782.48	783.44	783.44
1	20.917	116.917	781.62	782.58	782.58
1	21.000	117.000	780.75	781.72	781.72
1	21.083	117.083	779.87	780.86	780.86
1	21.167	117.167	778.99	779.98	779.98
1	21.250	117.250	778.11	779.10	779.10
1	21.333	117.333	777.22	778.22	778.22
1	21.417	117.417	776.35	777.33	777.33
1	21.500	117.500	775.51	776.46	776.46
1	21.583	117.583	774.68	775.62	775.62
1	21.667	117.667	773.84	774.78	774.78
1	21.750	117.750	773.00	773.95	773.95
1	21.833	117.833	772.16	773.11	773.11
1	21.917	117.917	771.31	772.26	772.26
1	22.000	118.000	770.46	771.41	771.41
1	22.083	118.083	769.60	770.56	770.56
1	22.167	118.167	768.75	769.71	769.71
1	22.250	118.250	767.88	768.85	768.85
1	22.333	118.333	767.02	767.99	767.99
1	22.417	118.417	766.15	767.13	767.13
1	22.500	118.500	765.28	766.26	766.26
1	22.583	118.583	764.41	765.39	765.39
1	22.667	118.667	763.54	764.52	764.52
1	22.750	118.750	762.66	763.64	763.64
1	22.833	118.833	761.78	762.77	762.77
1	22.917	118.917	760.90	761.89	761.89
1	23.000	119.000	760.01	761.01	761.01
1	23.083	119.083	759.13	760.12	760.12
1	23.167	119.167	758.24	759.24	759.24
1	23.250	119.250	757.35	758.35	758.35
1	23.333	119.333	756.46	757.46	757.46
1	23.417	119.417	755.59	756.57	756.57
1	23.500	119.500	754.75	755.70	755.70
1	23.583	119.583	753.93	754.86	754.86
1	23.667	119.667	753.10	754.03	754.03
1	23.750	119.750	752.27	753.20	753.20
1	23.833	119.833	751.44	752.38	752.38
1	23.917	119.917	750.61	751.55	751.55
1	24.000	120.000	749.78	750.72	750.72
1	24.083	120.083	748.95	749.88	749.88
1	24.167	120.167	748.10	749.05	749.05
1	24.250	120.250	747.25	748.21	748.21
1	24.333	120.333	746.37	747.35	747.35
1	24.417	120.417	745.47	746.48	746.48
1	24.500	120.500	744.52	745.58	745.58
1	24.583	120.583	743.52	744.63	744.63
1	24.667	120.667	742.47	743.63	743.63
1	24.750	120.750	741.41	742.60	742.60
1	24.833	120.833	740.33	741.54	741.54
1	24.917	120.917	739.24	740.46	740.46
1	25.000	121.000	738.14	739.37	739.37

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  1   25.083 121.083       736.73      738.26      738.26
  1   25.167 121.167       734.76      736.85      736.85
  1   25.250 121.250       732.54      734.96      734.96
  1   25.333 121.333       730.31      732.80      732.80
  1   25.417 121.417       728.08      730.58      730.58
  1   25.500 121.500       725.85      728.36      728.36
  1   25.583 121.583       723.62      726.13      726.13
  1   25.667 121.667       721.39      723.90      723.90
  1   25.750 121.750       719.16      721.66      721.66
  1   25.833 121.833       716.93      719.43      719.43
  1   25.917 121.917       714.70      717.20      717.20
  1   26.000 122.000       712.48      714.98      714.98
  1   26.083 122.083       710.26      712.76      712.76
  1   26.167 122.167       708.05      710.54      710.54
  1   26.250 122.250       705.85      708.32      708.32
  1   26.333 122.333       703.65      706.12      706.12
  1   26.417 122.417       701.43      703.92      703.92
  1   26.500 122.500       699.17      701.70      701.70
  1   26.583 122.583       696.88      699.44      699.44
  1   26.667 122.667       694.59      697.16      697.16
  1   26.750 122.750       692.31      694.87      694.87
  1   26.833 122.833       690.04      692.59      692.59
  1   26.917 122.917       687.77      690.32      690.32
  1   27.000 123.000       685.52      688.05      688.05
  1   27.083 123.083       683.26      685.79      685.79
  1   27.167 123.167       681.02      683.54      683.54
  1   27.250 123.250       678.78      681.30      681.30
  1   27.333 123.333       676.55      679.06      679.06
  1   27.417 123.417       674.32      676.82      676.82
  1   27.500 123.500       672.11      674.60      674.60
  1   27.583 123.583       669.90      672.38      672.38
  1   27.667 123.667       667.69      670.17      670.17
  1   27.750 123.750       665.48      667.96      667.96
  1   27.833 123.833       663.18      665.75      665.75
  1   27.917 123.917       660.80      663.46      663.46
  1   28.000 124.000       658.42      661.09      661.09
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1991.115 AF
    OUTFLOW VOLUME =   1991.112 AF
    LOSS    VOLUME =      0.000 AF
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6300.00 TO NODE   6311.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   299.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

     (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     299.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.250 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
             "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
        VALLEY(UNDEVELOPED)/DESERT:
             "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.260|   0.260|   0.260|   0.260|   0.260|
        | LOW LOSS FRACTION |   0.500|   0.730|   0.930|   0.990|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.987
         30-MINUTE FACTOR = 0.987
          1-HOUR FACTOR = 0.987
          3-HOUR FACTOR = 0.998
          6-HOUR FACTOR = 0.999
         24-HOUR FACTOR = 0.999

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333



        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
        MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                3.852               139.411
         2               18.445               528.231
         3               39.624               766.604
         4               55.845               587.160
         5               64.124               299.680
         6               70.038               214.036
         7               74.639               166.538
         8               78.230               130.017
         9               81.158               105.957
        10               83.587                87.936
        11               85.638                74.235
        12               87.267                58.971
        13               88.619                48.932
        14               89.699                39.084
        15               90.702                36.306
        16               91.629                33.565
        17               92.506                31.749
        18               93.325                29.632
        19               94.080                27.335
        20               94.768                24.914
        21               95.424                23.727
        22               95.971                19.796
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23	96.509	19.477
24	97.020	18.507
25	97.406	13.985
26	97.766	13.021
27	98.126	13.018
28	98.458	12.019
29	98.594	4.931
30	98.692	3.557
31	98.791	3.557
32	98.889	3.550
33	98.987	3.557
34	99.085	3.551
35	99.183	3.557
36	99.281	3.550
37	99.380	3.550
38	99.478	3.550
39	99.576	3.550
40	99.674	3.550
41	99.772	3.550
42	99.870	3.550
43	99.968	3.550
44	100.000	1.157

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 162.2768
TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 126.0595

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	175.0	350.0	525.0	700.0
96.000	32.8756	3.82	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	32.9046	4.22	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	32.9446	5.81	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	33.0007	8.14	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	33.0691	9.93	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	33.1439	10.86	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	33.2233	11.53	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	33.3064	12.07	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	33.3925	12.50	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	33.4810	12.85	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	33.5716	13.16	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	33.6640	13.42	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	33.7579	13.64	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	33.8532	13.83	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	33.9496	13.99	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	34.0470	14.15	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	34.1455	14.30	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	34.2449	14.44	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	34.3453	14.58	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	34.4466	14.71	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	34.5487	14.83	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	34.6517	14.96	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	34.7555	15.07	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	34.8601	15.18	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	34.9654	15.29	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	35.0714	15.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	35.1780	15.48	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	35.2853	15.58	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	35.3933	15.67	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	35.5017	15.75	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	35.6106	15.81	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	35.7200	15.88	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	35.8299	15.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	35.9403	16.03	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	36.0511	16.10	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	36.1625	16.17	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	36.2744	16.24	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	36.3867	16.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	36.4996	16.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	36.6130	16.47	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	36.7270	16.54	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	36.8414	16.62	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	36.9564	16.70	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	37.0720	16.78	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	37.1880	16.85	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	37.3045	16.92	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	37.4215	16.99	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	37.5390	17.06	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	37.6569	17.13	Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	37.7754	17.20	Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	37.8943	17.27	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	38.0138	17.35	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	38.1338	17.42	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	38.2543	17.50	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	38.3753	17.57	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	38.4969	17.65	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	38.6190	17.73	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	38.7416	17.81	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	38.8648	17.89	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	38.9885	17.97	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	39.1128	18.05	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	39.2377	18.13	.Q	. V	.	.	.

(PEAK DAY 1, HOUR 5.083)
101.167 39.3632 18.22 .Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 39.4892 18.30 .Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 39.6158 18.39 .Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 39.7430 18.47 .Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 39.8709 18.56 .Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 39.9993 18.65 .Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 40.1283 18.74 .Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 40.2580 18.83 .Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 40.3883 18.92 .Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 40.5193 19.02 .Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 40.6509 19.11 .Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 40.7832 19.21 .Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 40.9161 19.30 .Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 41.0497 19.40 .Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 41.1841 19.50 .Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 41.3191 19.60 .Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 41.4548 19.71 .Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 41.5912 19.81 .Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 41.7283 19.91 .Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 41.8662 20.02 .Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 42.0048 20.13 .Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 42.1442 20.24 .Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 42.2844 20.35 .Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 42.4253 20.46 .Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 42.5670 20.58 .Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 42.7096 20.69 .Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 42.8529 20.81 .Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 42.9970 20.93 .Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 43.1420 21.05 .Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 43.2879 21.18 .Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 43.4346 21.30 .Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 43.5822 21.43 .Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 43.7307 21.56 .Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 43.8801 21.69 .Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 44.0304 21.82 .Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 44.1816 21.96 .Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 44.3338 22.10 .Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 44.4869 22.24 .Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 44.6411 22.38 .Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 44.7962 22.52 .Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 44.9523 22.67 .Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 45.1095 22.82 .Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 45.2677 22.97 .Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 45.4270 23.13 .Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 45.5874 23.29 .Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 45.7489 23.45 .Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 45.9115 23.61 .Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 46.0752 23.78 .Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 46.2402 23.95 .Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 46.4063 24.12 .Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 46.5736 24.30 .Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 46.7422 24.48 .Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 46.9120 24.66 .Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 47.0831 24.85 .Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 47.2556 25.04 .Q . V . . .
(PEAK DAY 1, HOUR 9.667)
105.750 47.4293 25.23 .Q . V . . .
(PEAK DAY 1, HOUR 9.750)
105.833 47.6045 25.43 .Q . V . . .
(PEAK DAY 1, HOUR 9.833)
105.917 47.7810 25.63 .Q . V . . .
(PEAK DAY 1, HOUR 9.917)
106.000 47.9590 25.84 .Q . V . . .
(PEAK DAY 1, HOUR 10.000)
106.083 48.1383 26.05 .Q . V . . .
(PEAK DAY 1, HOUR 10.083)
106.167 48.3192 26.26 .Q . V . . .
(PEAK DAY 1, HOUR 10.167)
106.250 48.5016 26.48 .Q . V . . .
(PEAK DAY 1, HOUR 10.250)
106.333 48.6856 26.71 .Q . V . . .
(PEAK DAY 1, HOUR 10.333)
106.417 48.8711 26.94 .Q . V . . .
(PEAK DAY 1, HOUR 10.417)
106.500 49.0583 27.18 .Q . V . . .
(PEAK DAY 1, HOUR 10.500)
106.583 49.2471 27.42 .Q . V . . .
(PEAK DAY 1, HOUR 10.583)
106.667 49.4376 27.66 .Q . V . . .

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 (PEAK DAY 1, HOUR  10.667)
106.750     49.6299     27.91  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833     49.8239     28.17  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917     50.0198     28.44  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000     50.2175     28.71  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083     50.4171     28.99  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167     50.6187     29.27  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250     50.8223     29.57  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333     51.0280     29.87  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417     51.2359     30.17  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500     51.4459     30.49  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583     51.6581     30.82  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667     51.8727     31.15  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750     52.0896     31.50  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833     52.3090     31.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917     52.5309     32.22  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000     52.7554     32.60  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083     52.9850     33.34  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167     53.2266     35.09  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250     53.4846     37.46  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333     53.7559     39.39  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417     54.0356     40.62  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500     54.3224     41.64  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583     54.6155     42.56  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667     54.9144     43.40  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750     55.2188     44.20  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833     55.5286     44.98  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917     55.8436     45.74  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000     56.1638     46.49  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083     56.4890     47.23  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167     56.8194     47.97  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250     57.1551     48.73  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333     57.4961     49.52  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417     57.8427     50.33  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500     58.1951     51.16  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583     58.5534     52.03  . Q       .       V .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667     58.9178     52.92  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750     59.2887     53.85  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833     59.6663     54.82  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917     60.0508     55.83  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000     60.4427     56.90  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083     60.8424     58.05  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167     61.2514     59.39  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250     61.6706     60.87  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333     62.1002     62.37  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417     62.5398     63.84  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500     62.9900     65.37  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583     63.4513     66.98  .  Q      .         V         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667     63.9245     68.71  .  Q      .         V         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750     64.4112     70.66  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833     64.9150     73.15  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917     65.4407     76.34  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000     65.9935     80.25  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083     66.5774     84.78  .   Q     .         .V        .         .
 (PEAK DAY 1, HOUR  15.083)
111.167     67.1973     90.01  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  15.167)
111.250     67.8580     95.94  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  15.250)
111.333     68.5659    102.79  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  15.333)
111.417     69.3190    109.35  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.417)
111.500     70.1017    113.65  .     Q   .         . V       .         .
 (PEAK DAY 1, HOUR  15.500)
111.583     70.9099    117.35  .     Q   .         . V       .         .
 (PEAK DAY 1, HOUR  15.583)
111.667     71.7709    125.02  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.667)
111.750     72.7266    138.77  .      Q  .         .  V      .         .
 (PEAK DAY 1, HOUR  15.750)
111.833     73.8217    159.00  .        Q.         .  V      .         .
 (PEAK DAY 1, HOUR  15.833)
111.917     75.1262    189.42  .         Q         .  V      .         .
 (PEAK DAY 1, HOUR  15.917)
112.000     76.7812    240.31  .          . Q      .   V     .         .
 (PEAK DAY 1, HOUR  16.000)
112.083     79.3056    366.54  .          .        Q   V     .         .
 (PEAK DAY 1, HOUR  16.083)
112.167     83.2784    576.85  .          .        .     V   . Q       .
 (PEAK DAY 1, HOUR  16.167)
112.250     87.9056    671.87  .          .        .      V  .       Q .
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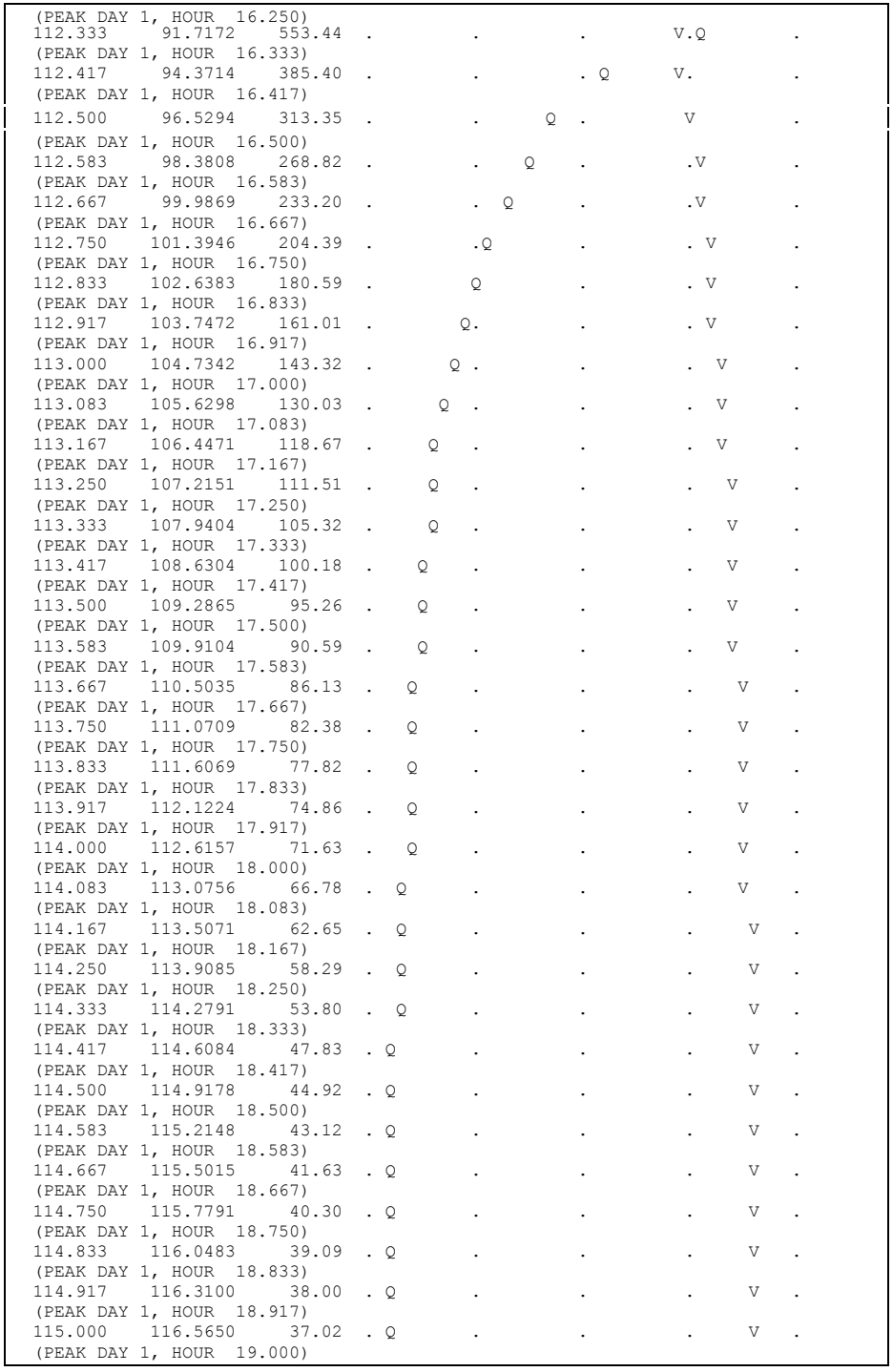
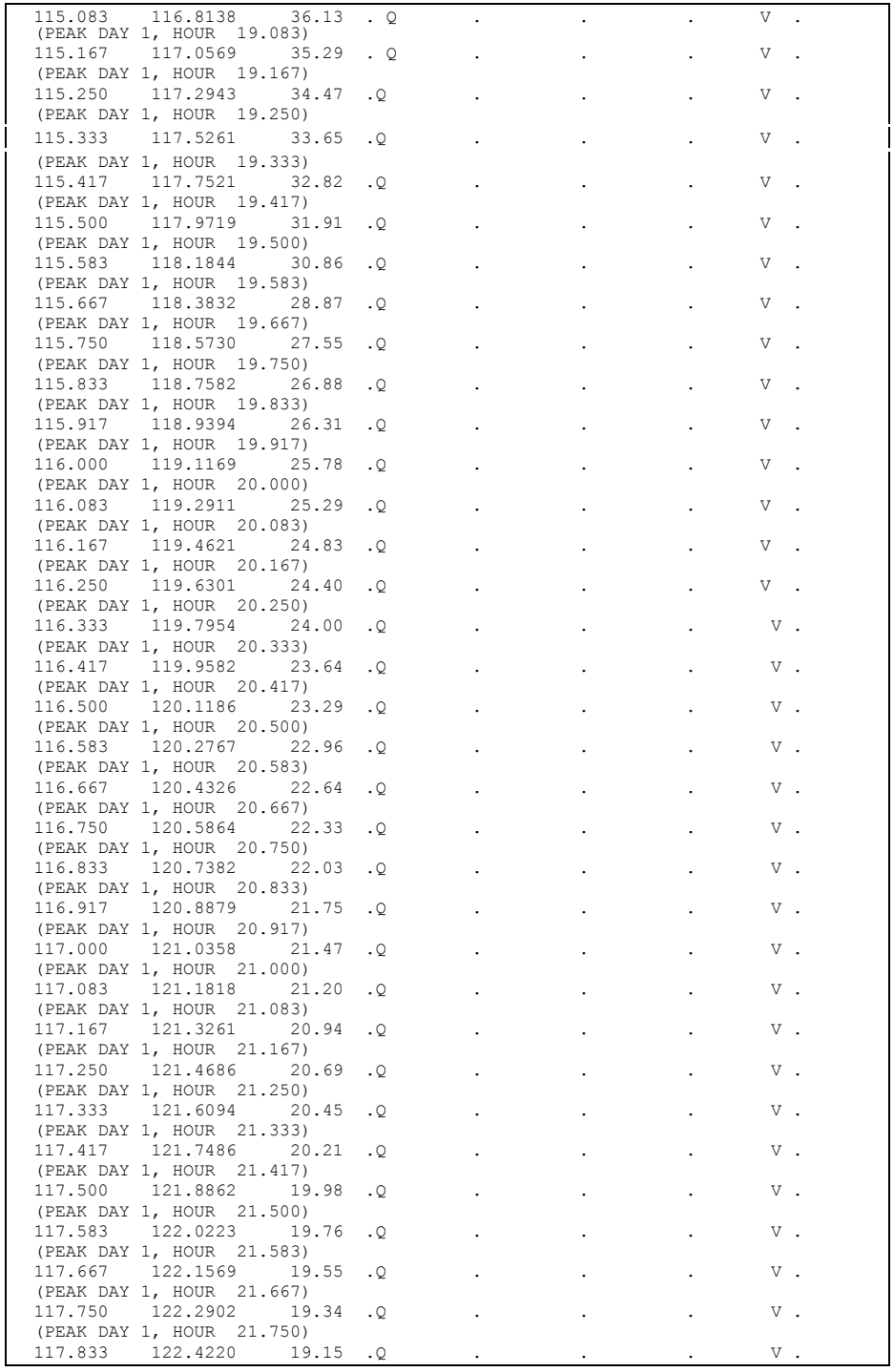

(PEAK DAY 1, HOUR 16.250)
112.333 91.7172 553.44 V.Q
(PEAK DAY 1, HOUR 16.333)
112.417 94.3714 385.40 Q V.
(PEAK DAY 1, HOUR 16.417)
112.500 96.5294 313.35 Q V
(PEAK DAY 1, HOUR 16.500)
112.583 98.3808 268.82 Q .V
(PEAK DAY 1, HOUR 16.583)
112.667 99.9869 233.20 Q .V
(PEAK DAY 1, HOUR 16.667)
112.750 101.3946 204.39 .Q . V
(PEAK DAY 1, HOUR 16.750)
112.833 102.6383 180.59 Q . V
(PEAK DAY 1, HOUR 16.833)
112.917 103.7472 161.01 Q. . V
(PEAK DAY 1, HOUR 16.917)
113.000 104.7342 143.32 Q . . V
(PEAK DAY 1, HOUR 17.000)
113.083 105.6298 130.03 Q . . V
(PEAK DAY 1, HOUR 17.083)
113.167 106.4471 118.67 Q . . V
(PEAK DAY 1, HOUR 17.167)
113.250 107.2151 111.51 Q . . V
(PEAK DAY 1, HOUR 17.250)
113.333 107.9404 105.32 Q . . V
(PEAK DAY 1, HOUR 17.333)
113.417 108.6304 100.18 Q . . V
(PEAK DAY 1, HOUR 17.417)
113.500 109.2865 95.26 Q . . V
(PEAK DAY 1, HOUR 17.500)
113.583 109.9104 90.59 Q . . V
(PEAK DAY 1, HOUR 17.583)
113.667 110.5035 86.13 Q . . V
(PEAK DAY 1, HOUR 17.667)
113.750 111.0709 82.38 Q . . V
(PEAK DAY 1, HOUR 17.750)
113.833 111.6069 77.82 Q . . V
(PEAK DAY 1, HOUR 17.833)
113.917 112.1224 74.86 Q . . V
(PEAK DAY 1, HOUR 17.917)
114.000 112.6157 71.63 Q . . V
(PEAK DAY 1, HOUR 18.000)
114.083 113.0756 66.78 Q . . V
(PEAK DAY 1, HOUR 18.083)
114.167 113.5071 62.65 Q . . V
(PEAK DAY 1, HOUR 18.167)
114.250 113.9085 58.29 Q . . V
(PEAK DAY 1, HOUR 18.250)
114.333 114.2791 53.80 Q . . V
(PEAK DAY 1, HOUR 18.333)
114.417 114.6084 47.83 Q . . V
(PEAK DAY 1, HOUR 18.417)
114.500 114.9178 44.92 Q . . V
(PEAK DAY 1, HOUR 18.500)
114.583 115.2148 43.12 Q . . V
(PEAK DAY 1, HOUR 18.583)
114.667 115.5015 41.63 Q . . V
(PEAK DAY 1, HOUR 18.667)
114.750 115.7791 40.30 Q . . V
(PEAK DAY 1, HOUR 18.750)
114.833 116.0483 39.09 Q . . V
(PEAK DAY 1, HOUR 18.833)
114.917 116.3100 38.00 Q . . V
(PEAK DAY 1, HOUR 18.917)
115.000 116.5650 37.02 Q . . V
(PEAK DAY 1, HOUR 19.000)


115.083 116.8138 36.13 Q . . V
(PEAK DAY 1, HOUR 19.083)
115.167 117.0569 35.29 Q . . V
(PEAK DAY 1, HOUR 19.167)
115.250 117.2943 34.47 Q . . V
(PEAK DAY 1, HOUR 19.250)
115.333 117.5261 33.65 Q . . V
(PEAK DAY 1, HOUR 19.333)
115.417 117.7521 32.82 Q . . V
(PEAK DAY 1, HOUR 19.417)
115.500 117.9719 31.91 Q . . V
(PEAK DAY 1, HOUR 19.500)
115.583 118.1844 30.86 Q . . V
(PEAK DAY 1, HOUR 19.583)
115.667 118.3832 28.87 Q . . V
(PEAK DAY 1, HOUR 19.667)
115.750 118.5730 27.55 Q . . V
(PEAK DAY 1, HOUR 19.750)
115.833 118.7582 26.88 Q . . V
(PEAK DAY 1, HOUR 19.833)
115.917 118.9394 26.31 Q . . V
(PEAK DAY 1, HOUR 19.917)
116.000 119.1169 25.78 Q . . V
(PEAK DAY 1, HOUR 20.000)
116.083 119.2911 25.29 Q . . V
(PEAK DAY 1, HOUR 20.083)
116.167 119.4621 24.83 Q . . V
(PEAK DAY 1, HOUR 20.167)
116.250 119.6301 24.40 Q . . V
(PEAK DAY 1, HOUR 20.250)
116.333 119.7954 24.00 Q . . V
(PEAK DAY 1, HOUR 20.333)
116.417 119.9582 23.64 Q . . V
(PEAK DAY 1, HOUR 20.417)
116.500 120.1186 23.29 Q . . V
(PEAK DAY 1, HOUR 20.500)
116.583 120.2767 22.96 Q . . V
(PEAK DAY 1, HOUR 20.583)
116.667 120.4326 22.64 Q . . V
(PEAK DAY 1, HOUR 20.667)
116.750 120.5864 22.33 Q . . V
(PEAK DAY 1, HOUR 20.750)
116.833 120.7382 22.03 Q . . V
(PEAK DAY 1, HOUR 20.833)
116.917 120.8879 21.75 Q . . V
(PEAK DAY 1, HOUR 20.917)
117.000 121.0358 21.47 Q . . V
(PEAK DAY 1, HOUR 21.000)
117.083 121.1818 21.20 Q . . V
(PEAK DAY 1, HOUR 21.083)
117.167 121.3261 20.94 Q . . V
(PEAK DAY 1, HOUR 21.167)
117.250 121.4686 20.69 Q . . V
(PEAK DAY 1, HOUR 21.250)
117.333 121.6094 20.45 Q . . V
(PEAK DAY 1, HOUR 21.333)
117.417 121.7486 20.21 Q . . V
(PEAK DAY 1, HOUR 21.417)
117.500 121.8862 19.98 Q . . V
(PEAK DAY 1, HOUR 21.500)
117.583 122.0223 19.76 Q . . V
(PEAK DAY 1, HOUR 21.583)
117.667 122.1569 19.55 Q . . V
(PEAK DAY 1, HOUR 21.667)
117.750 122.2902 19.34 Q . . V
(PEAK DAY 1, HOUR 21.750)
117.833 122.4220 19.15 Q . . V

(PEAK DAY 1, HOUR 21.833)
117.917 122.5526 18.96 .Q . . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 122.6818 18.77 .Q . . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 122.8099 18.59 .Q . . . V .
(PEAK DAY 1, HOUR 22.083)
118.167 122.9367 18.41 .Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 123.0623 18.24 .Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 123.1867 18.07 .Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 123.3100 17.90 .Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 123.4322 17.74 .Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 123.5533 17.59 .Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 123.6734 17.43 Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 123.7924 17.28 Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 123.9104 17.14 Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 124.0275 16.99 Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 124.1436 16.85 Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 124.2587 16.72 Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 124.3729 16.58 Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 124.4862 16.45 Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 124.5986 16.32 Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 124.7101 16.20 Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 124.8208 16.07 Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 124.9307 15.95 Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 125.0397 15.83 Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 125.1480 15.72 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 125.2554 15.60 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 125.3621 15.49 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 125.4680 15.38 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 125.5693 14.71 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 125.6552 12.46 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 125.7190 9.27 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 125.7661 6.83 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 125.8044 5.57 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 125.8365 4.66 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 125.8637 3.95 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 125.8871 3.40 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 125.9073 2.94 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 125.9250 2.56 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 125.9405 2.25 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 125.9542 1.99 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 125.9664 1.78 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 125.9775 1.61 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 125.9874 1.45 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 125.9964 1.30 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 126.0044 1.16 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 126.0116 1.04 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 126.0179 0.92 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 126.0234 0.81 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 126.0283 0.71 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 126.0326 0.62 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 126.0363 0.54 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 126.0395 0.46 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 126.0423 0.40 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 126.0446 0.35 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 126.0466 0.29 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 126.0483 0.24 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 126.0498 0.22 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 126.0512 0.20 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 126.0524 0.19 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 126.0536 0.17 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 126.0547 0.15 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 126.0556 0.14 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 126.0565 0.12 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 126.0572 0.11 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 126.0579 0.09 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 126.0584 0.08 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 126.0588 0.06 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 126.0592 0.05 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 126.0594 0.03 Q . . . V.

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 (PEAK DAY 1, HOUR  27.417)
 123.500    126.0595      0.02  Q         .         .         .         V
 (PEAK DAY 1, HOUR  27.500)
 123.583    126.0596      0.00  Q         .         .         .         V
 (PEAK DAY 1, HOUR  27.583)
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  5040.6 Ac. ***
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  5040.6 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
         (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      350.0     700.0    1050.0    1400.0
--------------------------------------------------------------------------------
  96.000    556.6415     61.52  .Q        V         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    557.0655     61.56  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    557.5043     63.72  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    557.9783     68.82  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    558.5012     75.92  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    559.0849     84.76  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    559.7581     97.75  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    560.5834    119.83  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    561.5848    145.39  .   Q     V         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    562.7103    163.43  .   Q     V         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    563.9139    174.77  .   Q     V         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    565.1772    183.43  .    Q    V         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    566.4892    190.49  .    Q    V         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    567.8422    196.45  .    Q    V         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    569.2310    201.66  .    Q    V         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    570.6515    206.25  .    Q    V         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    572.0998    210.29  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    573.5726    213.86  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    575.0680    217.13  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    576.5839    220.12  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    578.1183    222.79  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    579.6692    225.19  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    581.2349    227.34  .     Q   V         .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    582.8137    229.23  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    584.4044    230.97  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    586.0066    232.64  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    587.6185    234.04  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    589.2380    235.15  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    590.8645    236.17  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    592.4979    237.17  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    594.1382    238.18  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    595.7856    239.19  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    597.4399    240.21  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    599.1014    241.24  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    600.7700    242.28  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    602.4459    243.34  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    604.1290    244.40  .     Q   .V        .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    605.8196    245.47  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    607.5176    246.55  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    609.2231    247.64  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    610.9362    248.75  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    612.6570    249.86  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    614.3855    250.98  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    616.1218    252.12  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    617.8660    253.26  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    619.6181    254.40  .      Q  .V        .         .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    621.3782    255.56  .      Q  .V        .         .         .
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(PEAK DAY 1, HOUR   3.833)
 99.917    623.1463    256.73  .      Q  .V        .         .         .
(PEAK DAY 1, HOUR   3.917)
100.000    624.9222    257.87  .      Q  .V        .         .         .
(PEAK DAY 1, HOUR   4.000)
100.083    626.7056    258.95  .      Q  .V        .         .         .
(PEAK DAY 1, HOUR   4.083)
100.167    628.4964    260.02  .      Q  .V        .         .         .
(PEAK DAY 1, HOUR   4.167)
100.250    630.2946    261.09  .      Q  .V        .         .         .
(PEAK DAY 1, HOUR   4.250)
100.333    632.1002    262.18  .      Q  .V        .         .         .
(PEAK DAY 1, HOUR   4.333)
100.417    633.9135    263.28  .      Q  .V        .         .         .
(PEAK DAY 1, HOUR   4.417)
100.500    635.7343    264.39  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   4.500)
100.583    637.5629    265.52  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   4.583)
100.667    639.3994    266.65  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   4.667)
100.750    641.2437    267.80  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   4.750)
100.833    643.0961    268.96  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   4.833)
100.917    644.9565    270.14  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   4.917)
101.000    646.8252    271.33  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   5.000)
101.083    648.7021    272.53  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   5.083)
101.167    650.5875    273.75  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250    652.4813    274.98  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333    654.3837    276.23  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417    656.2947    277.49  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500    658.2146    278.76  .      Q  . V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583    660.1433    280.05  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667    662.0811    281.36  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750    664.0279    282.68  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833    665.9839    284.02  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917    667.9493    285.38  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000    669.9242    286.75  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083    671.9086    288.14  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167    673.9028    289.55  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250    675.9067    290.97  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333    677.9205    292.41  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417    679.9445    293.88  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500    681.9786    295.36  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583    684.0231    296.86  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667    686.0780    298.37  .       Q . V       .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750    688.1420    299.68  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833    690.2116    300.51  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917    692.2849    301.04  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000    694.3624    301.65  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083    696.4451    302.41  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167    698.5339    303.29  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250    700.6295    304.29  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333    702.7328    305.39  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417    704.8442    306.58  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500    706.9645    307.86  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583    709.0940    309.20  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667    711.2333    310.62  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750    713.3827    312.10  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833    715.5427    313.63  .       Q .  V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917    717.7136    315.21  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   7.917)
104.000    719.8957    316.85  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083    722.0894    318.53  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167    724.2950    320.25  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250    726.5128    322.02  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333    728.7430    323.83  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417    730.9859    325.67  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500    733.2418    327.56  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583    735.5110    329.48  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667    737.7936    331.45  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750    740.0901    333.44  .        Q.  V      .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833    742.4006    335.48  .        Q.   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917    744.7253    337.56  .        Q.   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000    747.0646    339.66  .        Q.   V     .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083    749.4177    341.66  .        Q.   V     .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167    751.7812    343.18  .        Q.   V     .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250    754.1526    344.34  .        Q.   V     .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333    756.5322    345.51  .        Q.   V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417    758.9203    346.76  .        Q.   V     .         .         .
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 (PEAK DAY 1, HOUR   9.417)
105.500    761.3176    348.08  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    763.7246    349.49  .        Q.   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    766.1418    350.98  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    768.5698    352.54  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    771.0090    354.19  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    773.4601    355.90  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    775.9236    357.70  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    778.4000    359.57  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    780.8897    361.51  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    783.3933    363.52  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    785.9113    365.61  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    788.4441    367.77  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    790.9923    370.00  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    793.5564    372.30  .         Q   V     .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    796.1368    374.68  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    798.7341    377.13  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    801.3484    379.60  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    803.9772    381.69  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    806.6177    383.41  .         Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    809.2701    385.12  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    811.9347    386.90  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    814.6122    388.77  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    817.3030    390.71  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    820.0079    392.74  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    822.7273    394.86  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    825.4619    397.06  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    828.2122    399.35  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    830.9789    401.73  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    833.7627    404.20  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    836.5641    406.76  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    839.3838    409.42  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    842.2250    412.54  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    845.0952    416.75  .        .Q    V    .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    847.9977    421.45  .        . Q   V    .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    850.9268    425.31  .        . Q   V    .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    853.8767    428.32  .        . Q   V    .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    856.8474    431.34  .        . Q   V    .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    859.8410    434.67  .        . Q   V    .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    862.8603    438.40  .        . Q   V    .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    865.9075    442.45  .        . Q   V    .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    868.9841    446.72  .        . Q   V    .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    872.0914    451.18  .        . Q   V    .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    875.2304    455.79  .        .  Q  V    .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    878.4022    460.55  .        .  Q  V    .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    881.6078    465.46  .        .  Q  V    .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    884.8483    470.52  .        .  Q  V    .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    888.1248    475.74  .        .  Q  V    .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    891.4384    481.14  .        .  Q  V    .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    894.7903    486.71  .        .  Q  V    .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    898.1808    492.29  .        .   Q V    .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    901.6060    497.33  .        .   Q  V   .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    905.0628    501.93  .        .   Q  V   .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    908.5522    506.66  .        .   Q  V   .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    912.0757    511.62  .        .   Q  V   .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    915.6354    516.87  .        .   Q  V   .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    919.2335    522.44  .        .   Q  V   .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    922.8734    528.50  .        .    Q V   .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    926.5587    535.11  .        .    Q V   .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    930.2933    542.27  .        .    Q V   .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    934.0815    550.05  .        .    Q V   .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    937.9280    558.50  .        .    Q V   .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    941.8378    567.71  .        .     QV   .         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    945.8187    578.01  .        .     QV   .         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    949.8787    589.52  .        .     QV   .         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    954.0262    602.21  .        .      QV  .         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    958.2616    614.99  .        .      QV  .         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000    962.5768    626.57  .        .      QV  .         .         .
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 (PEAK DAY 1, HOUR  15.000)
111.083    966.9687    637.69  .         .       Q .         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167    971.4424    649.59  .         .       Q .         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250    976.0051    662.49  .         .       Q .         .         .
 (PEAK DAY 1, HOUR  15.250)
111.333    980.6650    676.63  .         .       VQ.         .         .
 (PEAK DAY 1, HOUR  15.333)
111.417    985.4218    690.68  .         .       VQ.         .         .
 (PEAK DAY 1, HOUR  15.417)
111.500    990.2571    702.09  .         .       V Q         .         .
 (PEAK DAY 1, HOUR  15.500)
111.583    995.1640    712.47  .         .       V Q         .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1000.1700    726.88  .         .       V Q         .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1005.3178    747.46  .         .       V .Q        .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1010.6521    774.54  .         .        V. Q       .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1016.2415    811.58  .         .        V.  Q      .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1022.2242    868.70  .         .        V.   Q     .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1029.1200   1001.27  .         .        V.       Q .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1037.5157   1219.06  .         .        V.         .   Q     .
 (PEAK DAY 1, HOUR  16.167)
112.250   1046.6313   1323.58  .         .        V.         .     Q   .
 (PEAK DAY 1, HOUR  16.250)
112.333   1055.0115   1216.80  .         .        V.         .   Q     .
 (PEAK DAY 1, HOUR  16.333)
112.417   1062.3285   1062.44  .         .         V         Q         .
 (PEAK DAY 1, HOUR  16.417)
112.500   1069.2626   1006.83  .         .         V       Q .         .
 (PEAK DAY 1, HOUR  16.500)
112.583   1076.0273    982.24  .         .         V       Q .         .
 (PEAK DAY 1, HOUR  16.583)
112.667   1082.6737    965.05  .         .         V      Q  .         .
 (PEAK DAY 1, HOUR  16.667)
112.750   1089.2014    947.82  .         .         V      Q  .         .
 (PEAK DAY 1, HOUR  16.750)
112.833   1095.6133    931.00  .         .         V     Q   .         .
 (PEAK DAY 1, HOUR  16.833)
112.917   1101.9294    917.11  .         .         V     Q   .         .
 (PEAK DAY 1, HOUR  16.917)
113.000   1108.1602    904.71  .         .         V    Q    .         .
 (PEAK DAY 1, HOUR  17.000)
113.083   1114.3331    896.32  .         .         .V   Q    .         .
 (PEAK DAY 1, HOUR  17.083)
113.167   1120.4589    889.46  .         .         .V   Q    .         .
 (PEAK DAY 1, HOUR  17.167)
113.250   1126.5638    886.45  .         .         .V   Q    .         .
 (PEAK DAY 1, HOUR  17.250)
113.333   1132.6530    884.14  .         .         .V   Q    .         .
 (PEAK DAY 1, HOUR  17.333)
113.417   1138.7314    882.60  .         .         .V   Q    .         .
 (PEAK DAY 1, HOUR  17.417)
113.500   1144.7983    880.92  .         .         .V   Q    .         .
 (PEAK DAY 1, HOUR  17.500)
113.583   1150.8524    879.05  .         .         .V   Q    .         .
 (PEAK DAY 1, HOUR  17.583)
113.667   1156.8918    876.93  .         .         .V   Q    .         .
 (PEAK DAY 1, HOUR  17.667)
113.750   1162.9188    875.12  .         .         .V   Q    .         .
 (PEAK DAY 1, HOUR  17.750)
113.833   1168.9257    872.19  .         .         . V Q     .         .
 (PEAK DAY 1, HOUR  17.833)
113.917   1174.9213    870.55  .         .         . V Q     .         .
 (PEAK DAY 1, HOUR  17.917)
114.000   1180.9021    868.42  .         .         . V Q     .         .
 (PEAK DAY 1, HOUR  18.000)
114.083   1186.8557    864.47  .         .         . V Q     .         .
 (PEAK DAY 1, HOUR  18.083)
114.167   1192.7855    861.01  .         .         . V Q     .         .
 (PEAK DAY 1, HOUR  18.167)
114.250   1198.6885    857.10  .         .         . V Q     .         .
 (PEAK DAY 1, HOUR  18.250)
114.333   1204.5626    852.92  .         .         . V Q     .         .
 (PEAK DAY 1, HOUR  18.333)
114.417   1210.3970    847.15  .         .         . V Q     .         .
 (PEAK DAY 1, HOUR  18.417)
114.500   1216.2120    844.35  .         .         . V Q     .         .
 (PEAK DAY 1, HOUR  18.500)
114.583   1222.0146    842.55  .         .         .  VQ     .         .
 (PEAK DAY 1, HOUR  18.583)
114.667   1227.8063    840.95  .         .         .  VQ     .         .
 (PEAK DAY 1, HOUR  18.667)
114.750   1233.5874    839.41  .         .         .  Q      .         .
 (PEAK DAY 1, HOUR  18.750)
114.833   1239.3583    837.94  .         .         .  Q      .         .
 (PEAK DAY 1, HOUR  18.833)
114.917   1245.1195    836.53  .         .         .  Q      .         .
 (PEAK DAY 1, HOUR  18.917)
115.000   1250.8715    835.18  .         .         .  Q      .         .
 (PEAK DAY 1, HOUR  19.000)
115.083   1256.6144    833.87  .         .         .  Q      .         .
 (PEAK DAY 1, HOUR  19.083)
115.167   1262.3484    832.58  .         .         .  Q      .         .
 (PEAK DAY 1, HOUR  19.167)
115.250   1268.0734    831.27  .         .         .  Q      .         .
 (PEAK DAY 1, HOUR  19.250)
115.333   1273.7892    829.94  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  19.333)
115.417   1279.4956    828.57  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  19.417)
115.500   1285.1919    827.10  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  19.500)
115.583   1290.8770    825.47  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  19.583)
115.667   1296.5441    822.87  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  19.667)
115.750   1302.1979    820.94  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  19.750)
115.833   1307.8427    819.63  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  19.833)
115.917   1313.4790    818.39  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  19.917)
116.000   1319.1068    817.16  .         .         .  QV     .         .
 (PEAK DAY 1, HOUR  20.000)
116.083   1324.7262    815.94  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  20.083)
116.167   1330.3373    814.73  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  20.167)
116.250   1335.9401    813.53  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  20.250)
116.333   1341.5348    812.35  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  20.333)
116.417   1347.1215    811.19  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  20.417)
116.500   1352.7003    810.04  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  20.500)
116.583   1358.2712    808.90  .         .         .  Q V    .         .
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 (PEAK DAY 1, HOUR  20.583)
116.667   1363.8342    807.75  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  20.667)
116.750   1369.3894    806.61  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  20.750)
116.833   1374.9368    805.47  .         .         .  Q V    .         .
 (PEAK DAY 1, HOUR  20.833)
116.917   1380.4762    804.33  .         .         .  Q   V  .         .
 (PEAK DAY 1, HOUR  20.917)
117.000   1386.0078    803.19  .         .         .  Q   V  .         .
 (PEAK DAY 1, HOUR  21.000)
117.083   1391.5316    802.06  .         .         .  Q   V  .         .
 (PEAK DAY 1, HOUR  21.083)
117.167   1397.0476    800.93  .         .         .  Q   V  .         .
 (PEAK DAY 1, HOUR  21.167)
117.250   1402.5558    799.79  .         .         .  Q   V  .         .
 (PEAK DAY 1, HOUR  21.250)
117.333   1408.0563    798.66  .         .         .  Q   V  .         .
 (PEAK DAY 1, HOUR  21.333)
117.417   1413.5490    797.54  .         .         .  Q   V  .         .
 (PEAK DAY 1, HOUR  21.417)
117.500   1419.0341    796.44  .         .         .  Q   V  .         .
 (PEAK DAY 1, HOUR  21.500)
117.583   1424.5118    795.38  .         .         .  Q   V  .         .
 (PEAK DAY 1, HOUR  21.583)
117.667   1429.9824    794.33  .         .         .  Q    V .         .
 (PEAK DAY 1, HOUR  21.667)
117.750   1435.4459    793.29  .         .         .  Q    V .         .
 (PEAK DAY 1, HOUR  21.750)
117.833   1440.9022    792.25  .         .         .  Q    V .         .
 (PEAK DAY 1, HOUR  21.833)
117.917   1446.3514    791.22  .         .         .  Q    V .         .
 (PEAK DAY 1, HOUR  21.917)
118.000   1451.7935    790.18  .         .         .  Q    V .         .
 (PEAK DAY 1, HOUR  22.000)
118.083   1457.2284    789.15  .         .         .  Q    V .         .
 (PEAK DAY 1, HOUR  22.083)
118.167   1462.6562    788.12  .         .         .  Q    V .         .
 (PEAK DAY 1, HOUR  22.167)
118.250   1468.0769    787.09  .         .         .  Q    V .         .
 (PEAK DAY 1, HOUR  22.250)
118.333   1473.4905    786.06  .         .         .  Q    V .         .
 (PEAK DAY 1, HOUR  22.333)
118.417   1478.8970    785.03  .         .         .  Q    V .         .
 (PEAK DAY 1, HOUR  22.417)
118.500   1484.2964    784.00  .         .         .  Q     V.         .
 (PEAK DAY 1, HOUR  22.500)
118.583   1489.6888    782.98  .         .         .  Q     V.         .
 (PEAK DAY 1, HOUR  22.583)
118.667   1495.0742    781.95  .         .         .  Q     V.         .
 (PEAK DAY 1, HOUR  22.667)
118.750   1500.4525    780.93  .         .         .  Q     V.         .
 (PEAK DAY 1, HOUR  22.750)
118.833   1505.8237    779.90  .         .         .  Q     V.         .
 (PEAK DAY 1, HOUR  22.833)
118.917   1511.1880    778.88  .         .         .  Q     V.         .
 (PEAK DAY 1, HOUR  22.917)
119.000   1516.5452    777.86  .         .         .  Q     V.         .
 (PEAK DAY 1, HOUR  23.000)
119.083   1521.8953    776.84  .         .         .  Q     V.         .
 (PEAK DAY 1, HOUR  23.083)
119.167   1527.2384    775.82  .         .         .  Q     V.         .
 (PEAK DAY 1, HOUR  23.167)
119.250   1532.5745    774.80  .         .         .  Q     V.         .
 (PEAK DAY 1, HOUR  23.250)
119.333   1537.9036    773.78  .         .         .  Q      V.        .
 (PEAK DAY 1, HOUR  23.333)
119.417   1543.2257    772.77  .         .         .  Q      V.        .
 (PEAK DAY 1, HOUR  23.417)
119.500   1548.5409    771.77  .         .         .  Q      V.        .
 (PEAK DAY 1, HOUR  23.500)
119.583   1553.8495    770.81  .         .         .  Q      V.        .
 (PEAK DAY 1, HOUR  23.583)
119.667   1559.1516    769.86  .         .         .Q       V.        .
 (PEAK DAY 1, HOUR  23.667)
119.750   1564.4473    768.92  .         .         .Q       V.        .
 (PEAK DAY 1, HOUR  23.750)
119.833   1569.7363    767.98  .         .         .Q       V.        .
 (PEAK DAY 1, HOUR  23.833)
119.917   1575.0189    767.04  .         .         .Q       V.        .
 (PEAK DAY 1, HOUR  23.917)
120.000   1580.2950    766.10  .         .         .Q       V.        .
 (PEAK DAY 1, HOUR  24.000)
120.083   1585.5608    764.59  .         .         .Q       V.        .
 (PEAK DAY 1, HOUR  24.083)
120.167   1590.8054    761.51  .         .         .Q        V        .
 (PEAK DAY 1, HOUR  24.167)
120.250   1596.0222    757.48  .         .         .Q        V        .
 (PEAK DAY 1, HOUR  24.250)
120.333   1601.2163    754.18  .         .         .Q        V        .
 (PEAK DAY 1, HOUR  24.333)
120.417   1606.3956    752.04  .         .         .Q        V        .
 (PEAK DAY 1, HOUR  24.417)
120.500   1611.5625    750.24  .         .         .Q        V        .
 (PEAK DAY 1, HOUR  24.500)
120.583   1616.7180    748.58  .         .         .Q        V        .
 (PEAK DAY 1, HOUR  24.583)
120.667   1621.8628    747.03  .         .         .Q        V        .
 (PEAK DAY 1, HOUR  24.667)
120.750   1626.9973    745.54  .         .         .Q        V        .
 (PEAK DAY 1, HOUR  24.750)
120.833   1632.1219    744.10  .         .         .Q        V        .
 (PEAK DAY 1, HOUR  24.833)
120.917   1637.2371    742.71  .         .         .Q        V        .
 (PEAK DAY 1, HOUR  24.917)
121.000   1642.3429    741.37  .         .         .Q        .V       .
 (PEAK DAY 1, HOUR  25.000)
121.083   1647.4396    740.03  .         .         .Q        .V       .
 (PEAK DAY 1, HOUR  25.083)
121.167   1652.5254    738.46  .         .         .Q        .V       .
 (PEAK DAY 1, HOUR  25.167)
121.250   1657.5970    736.41  .         .         .Q        .V       .
 (PEAK DAY 1, HOUR  25.250)
121.333   1662.6528    734.10  .         .         Q         .V       .
 (PEAK DAY 1, HOUR  25.333)
121.417   1667.6924    731.75  .         .         Q         .V       .
 (PEAK DAY 1, HOUR  25.417)
121.500   1672.7157    729.39  .         .         Q         .V       .
 (PEAK DAY 1, HOUR  25.500)
121.583   1677.7229    727.04  .         .         Q         .V       .
 (PEAK DAY 1, HOUR  25.583)
121.667   1682.7140    724.71  .         .         Q         .V       .
 (PEAK DAY 1, HOUR  25.667)
121.750   1687.6890    722.37  .         .         Q         .V       .
 (PEAK DAY 1, HOUR  25.750)
121.833   1692.6481    720.06  .         .         Q         .V       .
 (PEAK DAY 1, HOUR  25.833)
121.917   1697.5912    717.74  .         .         Q         . V      .
 (PEAK DAY 1, HOUR  25.917)
122.000   1702.5184    715.44  .         .         Q         . V      .
 (PEAK DAY 1, HOUR  26.000)
122.083   1707.4299    713.16  .         .         Q         . V      .
 (PEAK DAY 1, HOUR  26.083)
122.167   1712.3258    710.88  .         .         Q         . V      .
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 (PEAK DAY 1, HOUR  26.167)
122.250   1717.2061    708.61  .         .         Q         . V       .
 (PEAK DAY 1, HOUR  26.250)
122.333   1722.0708    706.36  .         .         Q         . V       .
 (PEAK DAY 1, HOUR  26.333)
122.417   1726.9202    704.13  .         .         Q         . V       .
 (PEAK DAY 1, HOUR  26.417)
122.500   1731.7542    701.90  .         .         Q         . V       .
 (PEAK DAY 1, HOUR  26.500)
122.583   1736.5725    699.63  .         .        Q.         . V       .
 (PEAK DAY 1, HOUR  26.583)
122.667   1741.3750    697.33  .         .        Q.         . V       .
 (PEAK DAY 1, HOUR  26.667)
122.750   1746.1616    695.03  .         .        Q.         . V       .
 (PEAK DAY 1, HOUR  26.750)
122.833   1750.9325    692.73  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  26.833)
122.917   1755.6876    690.44  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  26.917)
123.000   1760.4270    688.16  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  27.000)
123.083   1765.1508    685.89  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  27.083)
123.167   1769.8589    683.62  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  27.167)
123.250   1774.5514    681.36  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  27.250)
123.333   1779.2284    679.11  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  27.333)
123.417   1783.8899    676.86  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  27.417)
123.500   1788.5360    674.62  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  27.500)
123.583   1793.1667    672.38  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  27.583)
123.667   1797.7822    670.17  .         .        Q.         .  V      .
 (PEAK DAY 1, HOUR  27.667)
123.750   1802.3826    667.96  .         .        Q.         .   V     .
 (PEAK DAY 1, HOUR  27.750)
123.833   1806.9677    665.75  .         .        Q.         .   V     .
 (PEAK DAY 1, HOUR  27.833)
123.917   1811.5369    663.46  .         .       Q .         .   V     .
 (PEAK DAY 1, HOUR  27.917)
124.000   1816.0898    661.09  .         .       Q .         .   V     .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE = 5.2
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  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     382.00
           DOWNSTREAM ELEVATION(FT) =     375.00
           CHANNEL LENGTH(FT) =    1141.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  1323.58
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =   796.54
           CHANNEL NORMAL VELOCITY FOR Q =   796.54 CFS =   6.74 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.799

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.945


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	61.52	61.75	61.75
1	0.083	96.083	61.56	61.56	61.56
1	0.167	96.167	63.72	62.68	62.68
1	0.250	96.250	68.82	66.31	66.31
1	0.333	96.333	75.92	72.37	72.37
1	0.417	96.417	84.76	80.32	80.32
1	0.500	96.500	97.75	91.27	91.27
1	0.583	96.583	119.83	108.87	108.87
1	0.667	96.667	145.39	132.51	132.51
1	0.750	96.750	163.43	154.06	154.06
1	0.833	96.833	174.77	168.81	168.81
1	0.917	96.917	183.43	178.95	178.95
1	1.000	97.000	190.49	186.86	186.86
1	1.083	97.083	196.45	193.39	193.39
1	1.167	97.167	201.66	198.99	198.99
1	1.250	97.250	206.25	203.90	203.90
1	1.333	97.333	210.29	208.22	208.22
1	1.417	97.417	213.86	212.03	212.03
1	1.500	97.500	217.13	215.46	215.46
1	1.583	97.583	220.12	218.59	218.59
1	1.667	97.667	222.79	221.42	221.42
1	1.750	97.750	225.19	223.96	223.96
1	1.833	97.833	227.34	226.24	226.24
1	1.917	97.917	229.23	228.26	228.26
1	2.000	98.000	230.97	230.08	230.08
1	2.083	98.083	232.64	231.79	231.79
1	2.167	98.167	234.04	233.32	233.32
1	2.250	98.250	235.15	234.58	234.58
1	2.333	98.333	236.17	235.65	235.65
1	2.417	98.417	237.17	236.66	236.66
1	2.500	98.500	238.18	237.67	237.67
1	2.583	98.583	239.19	238.68	238.68
1	2.667	98.667	240.21	239.69	239.69
1	2.750	98.750	241.24	240.72	240.72
1	2.833	98.833	242.28	241.76	241.76
1	2.917	98.917	243.34	242.80	242.80
1	3.000	99.000	244.40	243.86	243.86
1	3.083	99.083	245.47	244.92	244.92
1	3.167	99.167	246.55	246.00	246.00
1	3.250	99.250	247.64	247.09	247.09
1	3.333	99.333	248.75	248.18	248.18

1	3.417	99.417	249.86	249.29	249.29
1	3.500	99.500	250.98	250.41	250.41
1	3.583	99.583	252.12	251.54	251.54
1	3.667	99.667	253.26	252.68	252.68
1	3.750	99.750	254.40	253.82	253.82
1	3.833	99.833	255.56	254.97	254.97
1	3.917	99.917	256.73	256.14	256.14
1	4.000	100.000	257.87	257.29	257.29
1	4.083	100.083	258.95	258.40	258.40
1	4.167	100.167	260.02	259.47	259.47
1	4.250	100.250	261.09	260.55	260.55
1	4.333	100.333	262.18	261.63	261.63
1	4.417	100.417	263.28	262.72	262.72
1	4.500	100.500	264.39	263.83	263.83
1	4.583	100.583	265.52	264.95	264.95
1	4.667	100.667	266.65	266.07	266.07
1	4.750	100.750	267.80	267.22	267.22
1	4.833	100.833	268.96	268.37	268.37
1	4.917	100.917	270.14	269.54	269.54
1	5.000	101.000	271.33	270.73	270.73
1	5.083	101.083	272.53	271.92	271.92
1	5.167	101.167	273.75	273.13	273.13
1	5.250	101.250	274.98	274.35	274.35
1	5.333	101.333	276.23	275.59	275.59
1	5.417	101.417	277.49	276.85	276.85
1	5.500	101.500	278.76	278.11	278.11
1	5.583	101.583	280.05	279.40	279.40
1	5.667	101.667	281.36	280.70	280.70
1	5.750	101.750	282.68	282.01	282.01
1	5.833	101.833	284.02	283.34	283.34
1	5.917	101.917	285.38	284.69	284.69
1	6.000	102.000	286.75	286.05	286.05
1	6.083	102.083	288.14	287.43	287.43
1	6.167	102.167	289.55	288.83	288.83
1	6.250	102.250	290.97	290.25	290.25
1	6.333	102.333	292.41	291.68	291.68
1	6.417	102.417	293.88	293.13	293.13
1	6.500	102.500	295.36	294.61	294.61
1	6.583	102.583	296.86	296.10	296.10
1	6.667	102.667	298.37	297.60	297.60
1	6.750	102.750	299.68	299.01	299.01
1	6.833	102.833	300.51	300.08	300.08
1	6.917	102.917	301.04	300.76	300.76
1	7.000	103.000	301.65	301.34	301.34
1	7.083	103.083	302.41	302.03	302.03
1	7.167	103.167	303.29	302.85	302.85
1	7.250	103.250	304.29	303.79	303.79
1	7.333	103.333	305.39	304.83	304.83
1	7.417	103.417	306.58	305.98	305.98
1	7.500	103.500	307.86	307.21	307.21
1	7.583	103.583	309.20	308.52	308.52
1	7.667	103.667	310.62	309.90	309.90
1	7.750	103.750	312.10	311.35	311.35
1	7.833	103.833	313.63	312.85	312.85
1	7.917	103.917	315.21	314.41	314.41
1	8.000	104.000	316.85	316.02	316.02
1	8.083	104.083	318.53	317.67	317.67
1	8.167	104.167	320.25	319.38	319.38
1	8.250	104.250	322.02	321.12	321.12
1	8.333	104.333	323.83	322.91	322.91
1	8.417	104.417	325.67	324.73	324.73
1	8.500	104.500	327.56	326.60	326.60
1	8.583	104.583	329.48	328.51	328.51
1	8.667	104.667	331.45	330.45	330.45
1	8.750	104.750	333.44	332.43	332.43
1	8.833	104.833	335.48	334.45	334.45
1	8.917	104.917	337.56	336.51	336.51
1	9.000	105.000	339.66	338.60	338.60
1	9.083	105.083	341.66	340.64	340.64
1	9.167	105.167	343.18	342.39	342.39
1	9.250	105.250	344.34	343.74	343.74
1	9.333	105.333	345.51	344.92	344.92
1	9.417	105.417	346.76	346.13	346.13
1	9.500	105.500	348.08	347.41	347.41
1	9.583	105.583	349.49	348.78	348.78
1	9.667	105.667	350.98	350.22	350.22
1	9.750	105.750	352.54	351.75	351.75
1	9.833	105.833	354.19	353.35	353.35
1	9.917	105.917	355.90	355.03	355.03
1	10.000	106.000	357.70	356.79	356.79
1	10.083	106.083	359.57	358.62	358.62
1	10.167	106.167	361.51	360.52	360.52
1	10.250	106.250	363.52	362.50	362.50
1	10.333	106.333	365.61	364.55	364.55
1	10.417	106.417	367.77	366.67	366.67
1	10.500	106.500	370.00	368.87	368.87
1	10.583	106.583	372.30	371.13	371.13
1	10.667	106.667	374.68	373.47	373.47
1	10.750	106.750	377.13	375.89	375.89
1	10.833	106.833	379.60	378.34	378.34
1	10.917	106.917	381.69	380.62	380.62
1	11.000	107.000	383.41	382.53	382.53
1	11.083	107.083	385.12	384.25	384.25
1	11.167	107.167	386.90	386.00	386.00
1	11.250	107.250	388.77	387.82	387.82
1	11.333	107.333	390.71	389.73	389.73
1	11.417	107.417	392.74	391.71	391.71
1	11.500	107.500	394.86	393.79	393.79
1	11.583	107.583	397.06	395.94	395.94
1	11.667	107.667	399.35	398.19	398.19
1	11.750	107.750	401.73	400.52	400.52
1	11.833	107.833	404.20	402.95	402.95
1	11.917	107.917	406.76	405.46	405.46
1	12.000	108.000	409.42	408.07	408.07
1	12.083	108.083	412.54	410.97	410.97
1	12.167	108.167	416.75	414.64	414.64
1	12.250	108.250	421.45	419.07	419.07
1	12.333	108.333	425.31	423.32	423.32
1	12.417	108.417	428.32	426.77	426.77
1	12.500	108.500	431.34	429.81	429.81
1	12.583	108.583	434.67	432.99	432.99
1	12.667	108.667	438.40	436.52	436.52
1	12.750	108.750	442.45	440.40	440.40
1	12.833	108.833	446.72	444.56	444.56
1	12.917	108.917	451.18	448.92	448.92
1	13.000	109.000	455.79	453.45	453.45
1	13.083	109.083	460.55	458.14	458.14
1	13.167	109.167	465.46	462.97	462.97
1	13.250	109.250	470.52	467.95	467.95
1	13.333	109.333	475.74	473.09	473.09
1	13.417	109.417	481.14	478.40	478.40
1	13.500	109.500	486.71	483.88	483.88
1	13.583	109.583	492.29	489.46	489.46
1	13.667	109.667	497.33	494.76	494.76
1	13.750	109.750	501.93	499.58	499.58
1	13.833	109.833	506.66	504.26	504.26
1	13.917	109.917	511.62	509.11	509.11
1	14.000	110.000	516.87	514.21	514.21
1	14.083	110.083	522.44	519.62	519.62
1	14.167	110.167	528.50	525.43	525.43
1	14.250	110.250	535.11	531.77	531.77
1	14.333	110.333	542.27	538.65	538.65
1	14.417	110.417	550.05	546.12	546.12
1	14.500	110.500	558.50	554.23	554.23

1	14.583	110.583	567.71	563.05	563.05
1	14.667	110.667	578.01	572.81	572.81
1	14.750	110.750	589.52	583.71	583.71
1	14.833	110.833	602.21	595.79	595.79
1	14.917	110.917	614.99	608.50	608.50
1	15.000	111.000	626.57	620.65	620.65
1	15.083	111.083	637.69	632.03	632.03
1	15.167	111.167	649.59	643.56	643.56
1	15.250	111.250	662.49	655.96	655.96
1	15.333	111.333	676.63	669.48	669.48
1	15.417	111.417	690.68	683.54	683.54
1	15.500	111.500	702.09	696.22	696.22
1	15.583	111.583	712.47	707.16	707.16
1	15.667	111.667	726.88	719.67	719.67
1	15.750	111.750	747.46	737.17	737.17
1	15.833	111.833	774.54	760.97	760.97
1	15.917	111.917	811.58	793.04	793.04
1	16.000	112.000	868.70	840.24	840.24
1	16.083	112.083	1001.27	936.02	936.02
1	16.167	112.167	1219.06	1110.86	1110.86
1	16.250	112.250	1323.58	1267.45	1267.45
1	16.333	112.333	1216.80	1265.03	1265.03
1	16.417	112.417	1062.44	1139.23	1139.23
1	16.500	112.500	1006.83	1037.74	1037.74
1	16.583	112.583	982.24	995.74	995.74
1	16.667	112.667	965.05	974.04	974.04
1	16.750	112.750	947.82	956.59	956.59
1	16.833	112.833	931.00	939.56	939.56
1	16.917	112.917	917.11	924.25	924.25
1	17.000	113.000	904.71	911.06	911.06
1	17.083	113.083	896.32	900.70	900.70
1	17.167	113.167	889.46	893.00	893.00
1	17.250	113.250	886.45	888.09	888.09
1	17.333	113.333	884.14	885.34	885.34
1	17.417	113.417	882.60	883.41	883.41
1	17.500	113.500	880.92	881.77	881.77
1	17.583	113.583	879.05	879.99	879.99
1	17.667	113.667	876.93	878.00	878.00
1	17.750	113.750	875.12	876.05	876.05
1	17.833	113.833	872.19	873.65	873.65
1	17.917	113.917	870.55	871.42	871.42
1	18.000	114.000	868.42	869.49	869.49
1	18.083	114.083	864.47	866.42	866.42
1	18.167	114.167	861.01	862.78	862.78
1	18.250	114.250	857.10	859.08	859.08
1	18.333	114.333	852.92	855.04	855.04
1	18.417	114.417	847.15	850.04	850.04
1	18.500	114.500	844.35	845.85	845.85
1	18.583	114.583	842.55	843.49	843.49
1	18.667	114.667	840.95	841.77	841.77
1	18.750	114.750	839.41	840.20	840.20
1	18.833	114.833	837.94	838.69	838.69
1	18.917	114.917	836.53	837.25	837.25
1	19.000	115.000	835.18	835.86	835.86
1	19.083	115.083	833.87	834.54	834.54
1	19.167	115.167	832.58	833.24	833.24
1	19.250	115.250	831.27	831.94	831.94
1	19.333	115.333	829.94	830.62	830.62
1	19.417	115.417	828.57	829.26	829.26
1	19.500	115.500	827.10	827.84	827.84
1	19.583	115.583	825.47	826.29	826.29
1	19.667	115.667	822.87	824.16	824.16
1	19.750	115.750	820.94	821.94	821.94
1	19.833	115.833	819.63	820.31	820.31
1	19.917	115.917	818.39	819.02	819.02
1	20.000	116.000	817.16	817.79	817.79
1	20.083	116.083	815.94	816.56	816.56
1	20.167	116.167	814.73	815.34	815.34
1	20.250	116.250	813.53	814.14	814.14
1	20.333	116.333	812.35	812.95	812.95
1	20.417	116.417	811.19	811.78	811.78
1	20.500	116.500	810.04	810.63	810.63
1	20.583	116.583	808.90	809.48	809.48
1	20.667	116.667	807.75	808.33	808.33
1	20.750	116.750	806.61	807.19	807.19
1	20.833	116.833	805.47	806.05	806.05
1	20.917	116.917	804.33	804.91	804.91
1	21.000	117.000	803.19	803.77	803.77
1	21.083	117.083	802.06	802.64	802.64
1	21.167	117.167	800.93	801.50	801.50
1	21.250	117.250	799.79	800.37	800.37
1	21.333	117.333	798.66	799.24	799.24
1	21.417	117.417	797.54	798.11	798.11
1	21.500	117.500	796.44	797.00	797.00
1	21.583	117.583	795.38	795.92	795.92
1	21.667	117.667	794.33	794.86	794.86
1	21.750	117.750	793.29	793.82	793.82
1	21.833	117.833	792.25	792.78	792.78
1	21.917	117.917	791.22	791.74	791.74
1	22.000	118.000	790.18	790.71	790.71
1	22.083	118.083	789.15	789.68	789.68
1	22.167	118.167	788.12	788.64	788.64
1	22.250	118.250	787.09	787.61	787.61
1	22.333	118.333	786.06	786.58	786.58
1	22.417	118.417	785.03	785.55	785.55
1	22.500	118.500	784.00	784.52	784.52
1	22.583	118.583	782.98	783.50	783.50
1	22.667	118.667	781.95	782.47	782.47
1	22.750	118.750	780.93	781.45	781.45
1	22.833	118.833	779.90	780.42	780.42
1	22.917	118.917	778.88	779.40	779.40
1	23.000	119.000	777.86	778.38	778.38
1	23.083	119.083	776.84	777.36	777.36
1	23.167	119.167	775.82	776.34	776.34
1	23.250	119.250	774.80	775.32	775.32
1	23.333	119.333	773.78	774.30	774.30
1	23.417	119.417	772.77	773.28	773.28
1	23.500	119.500	771.77	772.28	772.28
1	23.583	119.583	770.81	771.30	771.30
1	23.667	119.667	769.86	770.35	770.35
1	23.750	119.750	768.92	769.40	769.40
1	23.833	119.833	767.98	768.46	768.46
1	23.917	119.917	767.04	767.52	767.52
1	24.000	120.000	766.10	766.57	766.57
1	24.083	120.083	764.59	765.34	765.34
1	24.167	120.167	761.51	763.03	763.03
1	24.250	120.250	757.48	759.50	759.50
1	24.333	120.333	754.18	755.87	755.87
1	24.417	120.417	752.04	753.16	753.16
1	24.500	120.500	750.24	751.16	751.16
1	24.583	120.583	748.58	749.43	749.43
1	24.667	120.667	747.03	747.82	747.82
1	24.750	120.750	745.54	746.30	746.30
1	24.833	120.833	744.10	744.84	744.84
1	24.917	120.917	742.71	743.42	743.42
1	25.000	121.000	741.37	742.05	742.05
1	25.083	121.083	740.03	740.71	740.71
1	25.167	121.167	738.46	739.25	739.25
1	25.250	121.250	736.41	737.44	737.44
1	25.333	121.333	734.10	735.27	735.27
1	25.417	121.417	731.75	732.94	732.94
1	25.500	121.500	729.39	730.59	730.59
1	25.583	121.583	727.04	728.24	728.24
1	25.667	121.667	724.71	725.89	725.89

```
  1   25.750 121.750       722.37      723.56      723.56
  1   25.833 121.833       720.06      721.23      721.23
  1   25.917 121.917       717.74      718.92      718.92
  1   26.000 122.000       715.44      716.61      716.61
  1   26.083 122.083       713.16      714.32      714.32
  1   26.167 122.167       710.88      712.04      712.04
  1   26.250 122.250       708.61      709.77      709.77
  1   26.333 122.333       706.36      707.50      707.50
  1   26.417 122.417       704.13      705.27      705.27
  1   26.500 122.500       701.90      703.04      703.04
  1   26.583 122.583       699.63      700.78      700.78
  1   26.667 122.667       697.33      698.50      698.50
  1   26.750 122.750       695.03      696.20      696.20
  1   26.833 122.833       692.73      693.90      693.90
  1   26.917 122.917       690.44      691.61      691.61
  1   27.000 123.000       688.16      689.32      689.32
  1   27.083 123.083       685.89      687.04      687.04
  1   27.167 123.167       683.62      684.77      684.77
  1   27.250 123.250       681.36      682.51      682.51
  1   27.333 123.333       679.11      680.25      680.25
  1   27.417 123.417       676.86      678.00      678.00
  1   27.500 123.500       674.62      675.76      675.76
  1   27.583 123.583       672.38      673.52      673.52
  1   27.667 123.667       670.17      671.29      671.29
  1   27.750 123.750       667.96      669.08      669.08
  1   27.833 123.833       665.75      666.87      666.87
  1   27.917 123.917       663.46      664.62      664.62
  1   28.000 124.000       661.09      662.29      662.29
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   2117.171 AF
    OUTFLOW VOLUME =   2117.172 AF
    LOSS    VOLUME =      0.000 AF
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6320.00 TO NODE   6330.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   300.7 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     300.700 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.290 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
```

RAINFALL DEPTHS & LOSS RATES	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
5-MINUTE (INCHES)	0.58	0.27	0.12	0.06	0.04
30-MINUTE (INCHES)	1.22	0.56	0.24	0.13	0.09
1-HOUR (INCHES)	1.62	0.75	0.33	0.17	0.12
3-HOUR (INCHES)	2.71	1.25	0.54	0.28	0.21
6-HOUR (INCHES)	3.75	1.73	0.75	0.39	0.29
24-HOUR (INCHES)	6.28	2.89	1.26	0.66	0.48
LOSS RATE(IN/HR)	0.240	0.240	0.240	0.240	0.240
LOW LOSS FRACTION	0.430	0.670	0.900	0.990	0.990

```
   5-MINUTE FACTOR = 0.987
  30-MINUTE FACTOR = 0.987
   1-HOUR FACTOR = 0.987
   3-HOUR FACTOR = 0.998
   6-HOUR FACTOR = 0.999
  24-HOUR FACTOR = 0.999

  UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
  UNIT INTERVAL PERCENTAGE OF LAG-TIME =  28.736


  RUNOFF HYDROGRAPH LISTING LIMITS:
  MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
  MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


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                      UNIT HYDROGRAPH DETERMINATION
--------------------------------------------------------------------------------
```

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	3.181	115.682
2	14.148	398.807
3	32.649	672.813
4	49.391	608.859
5	59.445	365.623
6	65.754	229.414
7	70.572	175.227
8	74.508	143.109
9	77.679	115.331
10	80.307	95.584
11	82.561	81.961
12	84.486	69.998
13	86.124	59.571
14	87.475	49.137
15	88.623	41.748
16	89.558	33.981
17	90.435	31.907
18	91.248	29.581
19	92.036	28.658
20	92.761	26.336
21	93.465	25.630
22	94.104	23.223
23	94.697	21.573
24	95.280	21.195
25	95.767	17.699
26	96.231	16.876
27	96.695	16.868
28	97.112	15.192
29	97.431	11.595
30	97.741	11.275

31	98.051	11.279
32	98.361	11.271
33	98.547	6.740
34	98.632	3.085
35	98.716	3.070
36	98.801	3.077
37	98.885	3.077
38	98.970	3.077
39	99.054	3.077
40	99.139	3.077
41	99.224	3.085
42	99.308	3.070
43	99.393	3.070
44	99.477	3.070
45	99.562	3.070
46	99.646	3.070
47	99.730	3.070
48	99.815	3.070
49	99.899	3.070
50	99.984	3.070
51	100.000	0.594

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 150.1466
TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 139.5311

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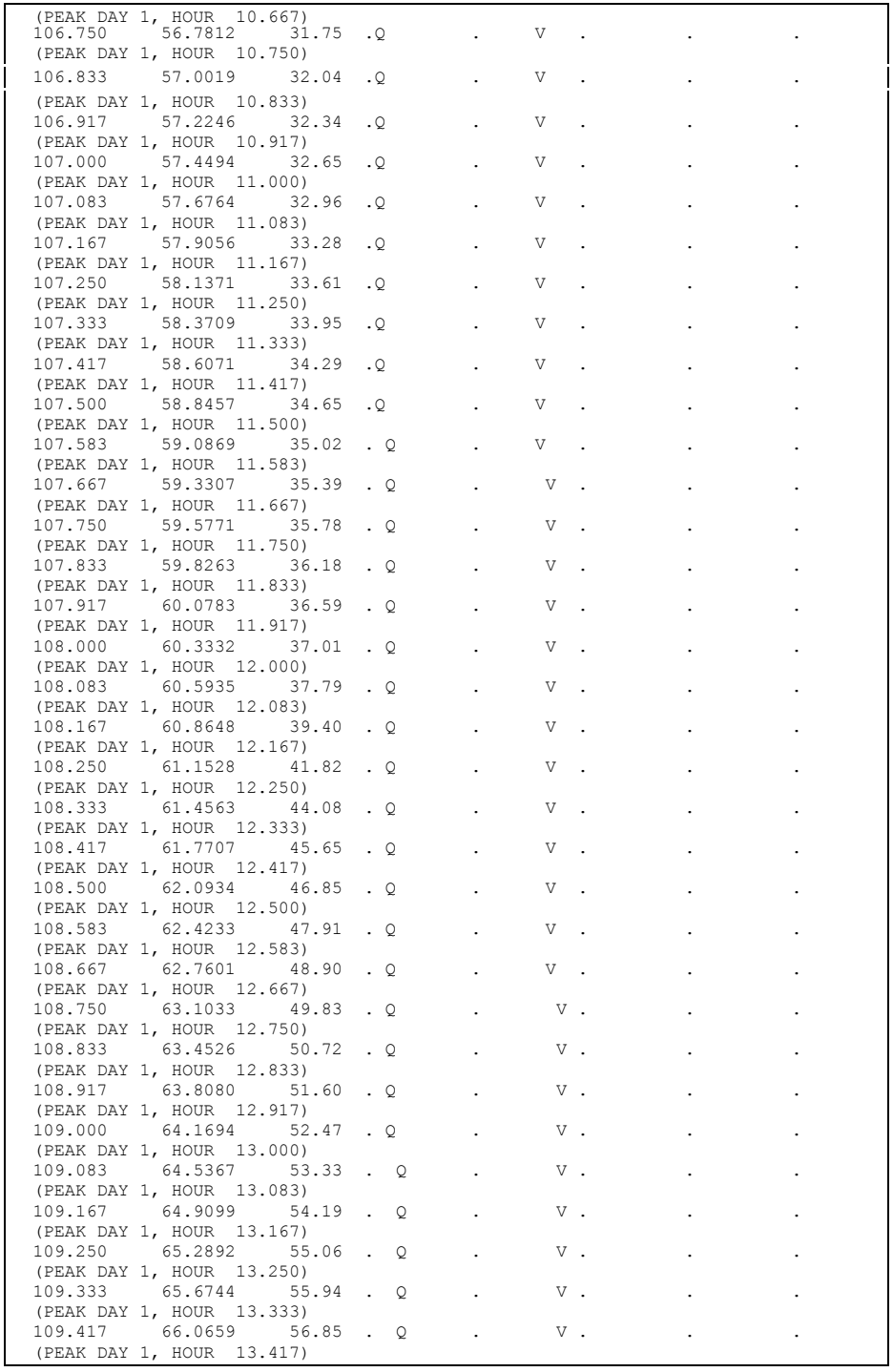
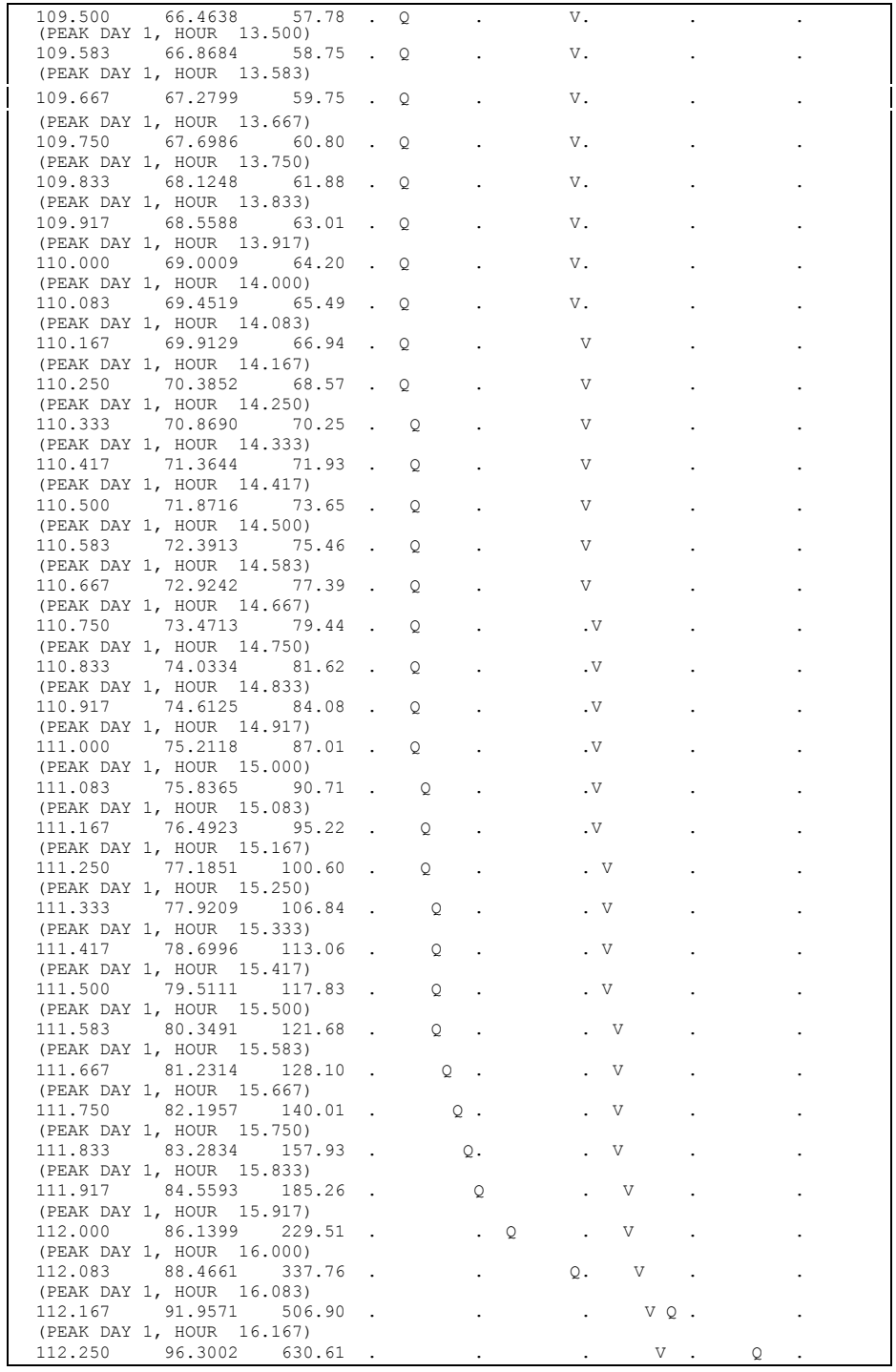
5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	175.0	350.0	525.0	700.0
96.000	37.7332	4.73	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	37.7682	5.09	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	37.8124	6.41	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	37.8721	8.68	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	37.9461	10.74	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	38.0287	11.99	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	38.1168	12.79	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	38.2091	13.41	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	38.3050	13.93	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	38.4039	14.35	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	38.5052	14.71	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	38.6087	15.03	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	38.7141	15.31	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	38.8213	15.56	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	38.9299	15.77	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	39.0398	15.96	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	39.1508	16.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	39.2630	16.28	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	39.3762	16.44	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	39.4904	16.59	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	39.6056	16.73	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	39.7218	16.87	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	39.8390	17.01	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	39.9570	17.14	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	40.0760	17.27	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	40.1957	17.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	40.3163	17.51	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	40.4377	17.63	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	40.5599	17.74	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	40.6829	17.85	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	40.8065	17.95	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	40.9308	18.06	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	41.0559	18.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	41.1816	18.25	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	41.3079	18.33	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	41.4347	18.41	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	41.5620	18.49	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	41.6899	18.57	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	41.8184	18.66	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	41.9475	18.74	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	42.0771	18.82	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	42.2074	18.91	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	42.3382	18.99	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	42.4696	19.08	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	42.6016	19.17	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	42.7342	19.26	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	42.8675	19.35	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	43.0013	19.44	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	43.1358	19.53	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	43.2709	19.62	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	43.4067	19.71	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	43.5431	19.80	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	43.6800	19.88	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	43.8175	19.97	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	43.9556	20.06	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	44.0944	20.14	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	44.2337	20.23	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	44.3737	20.32	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	44.5142	20.41	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	44.6554	20.50	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	44.7973	20.60	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	44.9398	20.69	.Q	. V	.	.	.

(PEAK DAY 1, HOUR 5.083)
101.167 45.0829 20.78 .Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 45.2267 20.88 .Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 45.3712 20.98 .Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 45.5163 21.08 .Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 45.6622 21.18 .Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 45.8087 21.28 .Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 45.9559 21.38 .Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 46.1039 21.48 .Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 46.2525 21.59 .Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 46.4019 21.69 .Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 46.5520 21.80 .Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 46.7029 21.91 .Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 46.8546 22.02 .Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 47.0070 22.13 .Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 47.1602 22.24 .Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 47.3141 22.36 .Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 47.4689 22.47 .Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 47.6245 22.59 .Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 47.7809 22.71 .Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 47.9381 22.83 .Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 48.0962 22.95 .Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 48.2552 23.08 .Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 48.4150 23.20 .Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 48.5757 23.33 .Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 48.7373 23.46 .Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 48.8998 23.59 .Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 49.0632 23.73 .Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 49.2275 23.86 .Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 49.3928 24.00 .Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 49.5591 24.14 .Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 49.7263 24.28 .Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 49.8946 24.43 .Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 50.0638 24.57 .Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 50.2341 24.72 .Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 50.4054 24.87 .Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 50.5777 25.03 .Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 50.7512 25.18 .Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 50.9257 25.34 .Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 51.1013 25.50 .Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 51.2781 25.67 .Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 51.4560 25.83 .Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 51.6351 26.00 .Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 51.8154 26.17 .Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 51.9968 26.35 .Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 52.1795 26.53 .Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 52.3635 26.71 .Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 52.5487 26.90 .Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 52.7353 27.08 .Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 52.9231 27.28 .Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 53.1123 27.47 .Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 53.3029 27.67 .Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 53.4948 27.87 .Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 53.6882 28.08 .Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 53.8830 28.29 .Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 54.0794 28.51 .Q . V . . .
(PEAK DAY 1, HOUR 9.667)
105.750 54.2772 28.72 .Q . V . . .
(PEAK DAY 1, HOUR 9.750)
105.833 54.4766 28.95 .Q . V . . .
(PEAK DAY 1, HOUR 9.833)
105.917 54.6775 29.18 .Q . V . . .
(PEAK DAY 1, HOUR 9.917)
106.000 54.8800 29.41 .Q . V . . .
(PEAK DAY 1, HOUR 10.000)
106.083 55.0842 29.65 .Q . V . . .
(PEAK DAY 1, HOUR 10.083)
106.167 55.2901 29.89 .Q . V . . .
(PEAK DAY 1, HOUR 10.167)
106.250 55.4977 30.14 .Q . V . . .
(PEAK DAY 1, HOUR 10.250)
106.333 55.7070 30.39 .Q . V . . .
(PEAK DAY 1, HOUR 10.333)
106.417 55.9181 30.65 .Q . V . . .
(PEAK DAY 1, HOUR 10.417)
106.500 56.1310 30.92 .Q . V . . .
(PEAK DAY 1, HOUR 10.500)
106.583 56.3458 31.19 .Q . V . . .
(PEAK DAY 1, HOUR 10.583)
106.667 56.5625 31.47 .Q . V . . .


(PEAK DAY 1, HOUR 10.667)
106.750 56.7812 31.75 .Q . V . . .
(PEAK DAY 1, HOUR 10.750)
106.833 57.0019 32.04 .Q . V . . .
(PEAK DAY 1, HOUR 10.833)
106.917 57.2246 32.34 .Q . V . . .
(PEAK DAY 1, HOUR 10.917)
107.000 57.4494 32.65 .Q . V . . .
(PEAK DAY 1, HOUR 11.000)
107.083 57.6764 32.96 .Q . V . . .
(PEAK DAY 1, HOUR 11.083)
107.167 57.9056 33.28 .Q . V . . .
(PEAK DAY 1, HOUR 11.167)
107.250 58.1371 33.61 .Q . V . . .
(PEAK DAY 1, HOUR 11.250)
107.333 58.3709 33.95 .Q . V . . .
(PEAK DAY 1, HOUR 11.333)
107.417 58.6071 34.29 .Q . V . . .
(PEAK DAY 1, HOUR 11.417)
107.500 58.8457 34.65 .Q . V . . .
(PEAK DAY 1, HOUR 11.500)
107.583 59.0869 35.02 . Q . V . . .
(PEAK DAY 1, HOUR 11.583)
107.667 59.3307 35.39 . Q . V . . .
(PEAK DAY 1, HOUR 11.667)
107.750 59.5771 35.78 . Q . V . . .
(PEAK DAY 1, HOUR 11.750)
107.833 59.8263 36.18 . Q . V . . .
(PEAK DAY 1, HOUR 11.833)
107.917 60.0783 36.59 . Q . V . . .
(PEAK DAY 1, HOUR 11.917)
108.000 60.3332 37.01 . Q . V . . .
(PEAK DAY 1, HOUR 12.000)
108.083 60.5935 37.79 . Q . V . . .
(PEAK DAY 1, HOUR 12.083)
108.167 60.8648 39.40 . Q . V . . .
(PEAK DAY 1, HOUR 12.167)
108.250 61.1528 41.82 . Q . V . . .
(PEAK DAY 1, HOUR 12.250)
108.333 61.4563 44.08 . Q . V . . .
(PEAK DAY 1, HOUR 12.333)
108.417 61.7707 45.65 . Q . V . . .
(PEAK DAY 1, HOUR 12.417)
108.500 62.0934 46.85 . Q . V . . .
(PEAK DAY 1, HOUR 12.500)
108.583 62.4233 47.91 . Q . V . . .
(PEAK DAY 1, HOUR 12.583)
108.667 62.7601 48.90 . Q . V . . .
(PEAK DAY 1, HOUR 12.667)
108.750 63.1033 49.83 . Q . V . . .
(PEAK DAY 1, HOUR 12.750)
108.833 63.4526 50.72 . Q . V . . .
(PEAK DAY 1, HOUR 12.833)
108.917 63.8080 51.60 . Q . V . . .
(PEAK DAY 1, HOUR 12.917)
109.000 64.1694 52.47 . Q . V . . .
(PEAK DAY 1, HOUR 13.000)
109.083 64.5367 53.33 . Q . V . . .
(PEAK DAY 1, HOUR 13.083)
109.167 64.9099 54.19 . Q . V . . .
(PEAK DAY 1, HOUR 13.167)
109.250 65.2892 55.06 . Q . V . . .
(PEAK DAY 1, HOUR 13.250)
109.333 65.6744 55.94 . Q . V . . .
(PEAK DAY 1, HOUR 13.333)
109.417 66.0659 56.85 . Q . V . . .
(PEAK DAY 1, HOUR 13.417)


109.500 66.4638 57.78 . Q . V. . .
(PEAK DAY 1, HOUR 13.500)
109.583 66.8684 58.75 . Q . V. . .
(PEAK DAY 1, HOUR 13.583)
109.667 67.2799 59.75 . Q . V. . .
(PEAK DAY 1, HOUR 13.667)
109.750 67.6986 60.80 . Q . V. . .
(PEAK DAY 1, HOUR 13.750)
109.833 68.1248 61.88 . Q . V. . .
(PEAK DAY 1, HOUR 13.833)
109.917 68.5588 63.01 . Q . V. . .
(PEAK DAY 1, HOUR 13.917)
110.000 69.0009 64.20 . Q . V. . .
(PEAK DAY 1, HOUR 14.000)
110.083 69.4519 65.49 . Q . V. . .
(PEAK DAY 1, HOUR 14.083)
110.167 69.9129 66.94 . Q . V . .
(PEAK DAY 1, HOUR 14.167)
110.250 70.3852 68.57 . Q . V . .
(PEAK DAY 1, HOUR 14.250)
110.333 70.8690 70.25 . Q . V . .
(PEAK DAY 1, HOUR 14.333)
110.417 71.3644 71.93 . Q . V . .
(PEAK DAY 1, HOUR 14.417)
110.500 71.8716 73.65 . Q . V . .
(PEAK DAY 1, HOUR 14.500)
110.583 72.3913 75.46 . Q . V . .
(PEAK DAY 1, HOUR 14.583)
110.667 72.9242 77.39 . Q . V . .
(PEAK DAY 1, HOUR 14.667)
110.750 73.4713 79.44 . Q . .V . .
(PEAK DAY 1, HOUR 14.750)
110.833 74.0334 81.62 . Q . .V . .
(PEAK DAY 1, HOUR 14.833)
110.917 74.6125 84.08 . Q . .V . .
(PEAK DAY 1, HOUR 14.917)
111.000 75.2118 87.01 . Q . .V . .
(PEAK DAY 1, HOUR 15.000)
111.083 75.8365 90.71 . Q . .V . .
(PEAK DAY 1, HOUR 15.083)
111.167 76.4923 95.22 . Q . .V . .
(PEAK DAY 1, HOUR 15.167)
111.250 77.1851 100.60 . Q . . V . .
(PEAK DAY 1, HOUR 15.250)
111.333 77.9209 106.84 . Q . . V . .
(PEAK DAY 1, HOUR 15.333)
111.417 78.6996 113.06 . Q . . V . .
(PEAK DAY 1, HOUR 15.417)
111.500 79.5111 117.83 . Q . . V . .
(PEAK DAY 1, HOUR 15.500)
111.583 80.3491 121.68 . Q . . V . .
(PEAK DAY 1, HOUR 15.583)
111.667 81.2314 128.10 . Q . . V . .
(PEAK DAY 1, HOUR 15.667)
111.750 82.1957 140.01 . Q . . V . .
(PEAK DAY 1, HOUR 15.750)
111.833 83.2834 157.93 . Q. . V . .
(PEAK DAY 1, HOUR 15.833)
111.917 84.5593 185.26 . Q . V . .
(PEAK DAY 1, HOUR 15.917)
112.000 86.1399 229.51 . . Q . V . .
(PEAK DAY 1, HOUR 16.000)
112.083 88.4661 337.76 . . Q. V . .
(PEAK DAY 1, HOUR 16.083)
112.167 91.9571 506.90 . . . V Q . .
(PEAK DAY 1, HOUR 16.167)
112.250 96.3002 630.61 . . . V . Q .

```
 (PEAK DAY 1, HOUR  16.250)
112.333    100.2459    572.92  .         .         .       V . Q       .
 (PEAK DAY 1, HOUR  16.333)
112.417    103.1874    427.11  .         .         .   Q    V.         .
 (PEAK DAY 1, HOUR  16.417)
112.500    105.4805    332.96  .         .        Q.         V         .
 (PEAK DAY 1, HOUR  16.500)
112.583    107.4393    284.42  .         .     Q   .         V         .
 (PEAK DAY 1, HOUR  16.583)
112.667    109.1666    250.80  .         .   Q     .         .V        .
 (PEAK DAY 1, HOUR  16.667)
112.750    110.6897    221.16  .         . Q       .         .V        .
 (PEAK DAY 1, HOUR  16.750)
112.833    112.0484    197.28  .         .Q        .         . V       .
 (PEAK DAY 1, HOUR  16.833)
112.917    113.2786    178.63  .         Q         .         . V       .
 (PEAK DAY 1, HOUR  16.917)
113.000    114.3999    162.81  .        Q.         .         . V       .
 (PEAK DAY 1, HOUR  17.000)
113.083    115.4265    149.07  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  17.083)
113.167    116.3665    136.48  .      Q  .         .         .  V      .
 (PEAK DAY 1, HOUR  17.167)
113.250    117.2360    126.24  .      Q  .         .         .  V      .
 (PEAK DAY 1, HOUR  17.250)
113.333    118.0425    117.11  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  17.333)
113.417    118.8097    111.40  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  17.417)
113.500    119.5417    106.29  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  17.500)
113.583    120.2453    102.15  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.583)
113.667    120.9185     97.75  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.667)
113.750    121.5674     94.22  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.750)
113.833    122.1886     90.20  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  17.833)
113.917    122.7854     86.66  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.917)
114.000    123.3617     83.68  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.000)
114.083    123.9081     79.33  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.083)
114.167    124.4278     75.48  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.167)
114.250    124.9180     71.17  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  18.250)
114.333    125.3749     66.35  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  18.333)
114.417    125.7995     61.64  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.417)
114.500    126.2051     58.90  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.500)
114.583    126.5940     56.47  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.583)
114.667    126.9651     53.89  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.667)
114.750    127.3064     49.55  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.750)
114.833    127.6234     46.02  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.833)
114.917    127.9294     44.44  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.917)
115.000    128.2266     43.15  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  19.000)
115.083    128.5158     41.99  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  19.083)
115.167    128.7977     40.93  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  19.167)
115.250    129.0729     39.96  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.250)
115.333    129.3420     39.07  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.333)
115.417    129.6053     38.24  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.417)
115.500    129.8631     37.43  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.500)
115.583    130.1157     36.68  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.583)
115.667    130.3634     35.96  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.667)
115.750    130.6062     35.25  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.750)
115.833    130.8441     34.56  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.833)
115.917    131.0773     33.85  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.917)
116.000    131.3054     33.13  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.000)
116.083    131.5281     32.33  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.083)
116.167    131.7443     31.40  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.167)
116.250    131.9476     29.51  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.250)
116.333    132.1442     28.55  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.333)
116.417    132.3369     27.98  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.417)
116.500    132.5261     27.48  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.500)
116.583    132.7121     27.00  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.583)
116.667    132.8950     26.56  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.667)
116.750    133.0751     26.15  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.750)
116.833    133.2526     25.78  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.833)
116.917    133.4277     25.42  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.917)
117.000    133.6004     25.08  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.000)
117.083    133.7708     24.75  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.083)
117.167    133.9391     24.43  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.167)
117.250    134.1053     24.13  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.250)
117.333    134.2694     23.83  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.333)
117.417    134.4316     23.55  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.417)
117.500    134.5918     23.27  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.500)
117.583    134.7503     23.00  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.583)
117.667    134.9069     22.74  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.667)
117.750    135.0618     22.49  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.750)
117.833    135.2150     22.25  .Q        .         .         .       V .
```

(PEAK DAY 1, HOUR 21.833)
117.917 135.3666 22.01 .Q . . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 135.5165 21.77 .Q . . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 135.6649 21.55 .Q . . . V .
(PEAK DAY 1, HOUR 22.083)
118.167 135.8118 21.33 .Q . . . V .
(PEAK DAY 1, HOUR 22.167)
118.250 135.9573 21.12 .Q . . . V .
(PEAK DAY 1, HOUR 22.250)
118.333 136.1014 20.92 .Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 136.2441 20.73 .Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 136.3856 20.54 .Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 136.5257 20.35 .Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 136.6646 20.17 .Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 136.8023 19.99 .Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 136.9388 19.82 .Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 137.0741 19.65 .Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 137.2083 19.48 .Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 137.3414 19.32 .Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 137.4734 19.16 .Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 137.6043 19.01 .Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 137.7341 18.86 .Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 137.8630 18.71 .Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 137.9908 18.56 .Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 138.1177 18.42 .Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 138.2436 18.28 .Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 138.3686 18.15 .Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 138.4927 18.01 .Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 138.6158 17.88 .Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 138.7381 17.75 .Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 138.8558 17.09 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 138.9599 15.13 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 139.0420 11.91 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 139.1041 9.02 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 139.1541 7.26 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 139.1965 6.15 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 139.2330 5.30 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 139.2646 4.60 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 139.2924 4.03 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 139.3169 3.56 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 139.3386 3.15 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 139.3580 2.81 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 139.3753 2.51 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 139.3909 2.27 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 139.4051 2.06 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 139.4180 1.89 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 139.4299 1.72 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 139.4408 1.58 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 139.4506 1.43 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 139.4596 1.30 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 139.4676 1.17 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 139.4749 1.06 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 139.4814 0.95 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 139.4873 0.84 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 139.4925 0.76 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 139.4971 0.67 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 139.5012 0.59 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 139.5047 0.52 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 139.5079 0.46 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 139.5107 0.40 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 139.5130 0.35 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 139.5151 0.29 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 139.5168 0.26 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 139.5185 0.24 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 139.5201 0.23 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 139.5216 0.21 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 139.5229 0.20 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 139.5242 0.18 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 139.5253 0.17 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 139.5264 0.15 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 139.5273 0.13 Q . . . V.

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 (PEAK DAY 1, HOUR  27.417)
 123.500    139.5281      0.12  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583    139.5288      0.10  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667    139.5294      0.09  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750    139.5300      0.08  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833    139.5304      0.06  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917    139.5307      0.05  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.917)
 124.000    139.5309      0.03  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  28.000)
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  5341.3 Ac. ***
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  5341.3 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      475.0     950.0    1425.0    1900.0
--------------------------------------------------------------------------------
  96.000    594.1589     66.48  .Q        V         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    594.6179     66.64  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    595.0938     69.10  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    595.6103     74.99  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    596.1827     83.11  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    596.8184     92.31  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    597.5350    104.06  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    598.3772    122.28  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    599.3857    146.44  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    600.5456    168.41  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    601.8095    183.52  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    603.1454    193.98  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    604.5378    202.17  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    605.9768    208.95  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    607.4559    214.76  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    608.9700    219.86  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    610.5151    224.35  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    612.0876    228.32  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    613.6846    231.89  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    615.3043    235.18  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    616.9445    238.15  .   Q     V         .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    618.6031    240.84  .   Q     V         .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    620.2784    243.25  .   Q     V         .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    621.9685    245.40  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    623.6720    247.35  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    625.3881    249.18  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    627.1156    250.83  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    628.8526    252.21  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    630.5977    253.39  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    632.3506    254.51  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    634.1110    255.62  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    635.8792    256.73  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    637.6550    257.85  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    639.4386    258.97  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    641.2299    260.09  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    643.0289    261.21  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    644.8357    262.35  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    646.6504    263.50  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    648.4731    264.66  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    650.3038    265.83  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    652.1428    267.01  .   Q     .V        .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    653.9899    268.20  .   Q     .V        .         .         .
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(PEAK DAY 1, HOUR   3.417)
 99.500    655.8453    269.41  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   3.500)
 99.583    657.7090    270.62  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   3.583)
 99.667    659.5812    271.85  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   3.667)
 99.750    661.4619    273.08  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   3.750)
 99.833    663.3512    274.32  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   3.833)
 99.917    665.2491    275.57  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   3.917)
100.000    667.1555    276.82  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   4.000)
100.083    669.0703    278.02  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   4.083)
100.167    670.9930    279.19  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   4.167)
100.250    672.9238    280.35  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   4.250)
100.333    674.8625    281.51  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   4.333)
100.417    676.8094    282.69  .    Q    .V        .         .         .
(PEAK DAY 1, HOUR   4.417)
100.500    678.7646    283.88  .    Q    . V       .         .         .
(PEAK DAY 1, HOUR   4.500)
100.583    680.7280    285.09  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   4.583)
100.667    682.6998    286.31  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   4.667)
100.750    684.6801    287.54  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   4.750)
100.833    686.6690    288.78  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   4.833)
100.917    688.6666    290.05  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   4.917)
101.000    690.6729    291.32  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.000)
101.083    692.6881    292.61  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.083)
101.167    694.7123    293.91  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250    696.7456    295.23  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333    698.7881    296.57  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417    700.8399    297.92  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500    702.9011    299.29  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583    704.9719    300.67  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667    707.0522    302.07  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750    709.1424    303.49  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833    711.2424    304.93  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917    713.3525    306.38  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000    715.4727    307.85  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083    717.6031    309.34  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167    719.7439    310.85  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250    721.8953    312.38  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333    724.0573    313.92  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417    726.2300    315.49  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500    728.4138    317.08  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583    730.6086    318.69  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667    732.8146    320.31  .     Q   . V       .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750    735.0311    321.84  .     Q   .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833    737.2559    323.03  .     Q   .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917    739.4861    323.84  .     Q   .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000    741.7213    324.55  .     Q   .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083    743.9621    325.36  .     Q   .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167    746.2094    326.31  .     Q   .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250    748.4641    327.38  .     Q   .  V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333    750.7269    328.56  .     Q   .  V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417    752.9986    329.84  .     Q   .  V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500    755.2797    331.21  .     Q   .  V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583    757.5707    332.66  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667    759.8723    334.19  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750    762.1848    335.78  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833    764.5087    337.42  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917    766.8443    339.13  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   7.917)
104.000    769.1920    340.89  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083    771.5522    342.70  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167    773.9252    344.56  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250    776.3113    346.46  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333    778.7109    348.41  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417    781.1241    350.40  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500    783.5513    352.43  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583    785.9929    354.51  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667    788.4489    356.62  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750    790.9199    358.78  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833    793.4059    360.98  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917    795.9074    363.22  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000    798.4246    365.49  .      Q  .   V     .         .         .
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 (PEAK DAY 1, HOUR   9.000)
105.083    800.9571    367.72  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.083)
105.167    803.5030    369.67  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.167)
105.250    806.0596    371.21  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.250)
105.333    808.6256    372.59  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
105.417    811.2014    374.00  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500    813.7874    375.49  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    816.3842    377.07  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    818.9926    378.73  .      Q  .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    821.6129    380.47  .       Q .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    824.2458    382.30  .       Q .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    826.8919    384.21  .       Q .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    829.5517    386.20  .       Q .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    832.2257    388.27  .       Q .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    834.9145    390.41  .       Q .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    837.6186    392.64  .       Q .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    840.3386    394.94  .       Q .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    843.0750    397.32  .       Q .   V     .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    845.8283    399.78  .       Q .   V     .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    848.5991    402.32  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    851.3879    404.94  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    854.1954    407.64  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    857.0217    410.39  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    859.8658    412.96  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    862.7251    415.17  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    865.5984    417.21  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    868.4861    419.28  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    871.3885    421.43  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    874.3063    423.67  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    877.2403    426.01  .       Q .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    880.1910    428.44  .        Q.    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    883.1591    430.96  .        Q.    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    886.1451    433.58  .        Q.    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    889.1500    436.30  .        Q.    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    892.1743    439.13  .        Q.    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    895.2187    442.05  .        Q.    V    .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    898.2841    445.09  .        Q.    V    .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    901.3746    448.75  .        Q.    V    .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    904.5016    454.04  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    907.6758    460.89  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    910.8948    467.40  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    914.1483    472.42  .        Q.     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    917.4311    476.65  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    920.7430    480.90  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    924.0861    485.42  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    927.4623    490.23  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    930.8734    495.28  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    934.3205    500.52  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    937.8048    505.92  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    941.3273    511.47  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    944.8890    517.16  .         Q     V   .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    948.4911    523.01  .         .Q    V   .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    952.1345    529.03  .         .Q    V   .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    955.8208    535.25  .         .Q    V   .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    959.5513    541.66  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    963.3268    548.21  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    967.1457    554.51  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    971.0051    560.38  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    974.9041    566.14  .         .Q     V  .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    978.8444    572.12  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    982.8279    578.41  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    986.8575    585.10  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    990.9372    592.37  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    995.0717    600.34  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    999.2653    608.90  .         . Q    V  .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417   1003.5218    618.04  .         .  Q   V  .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500   1007.8459    627.87  .         .  Q   V  .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583   1012.2434    638.51  .         .  Q   V  .         .         .
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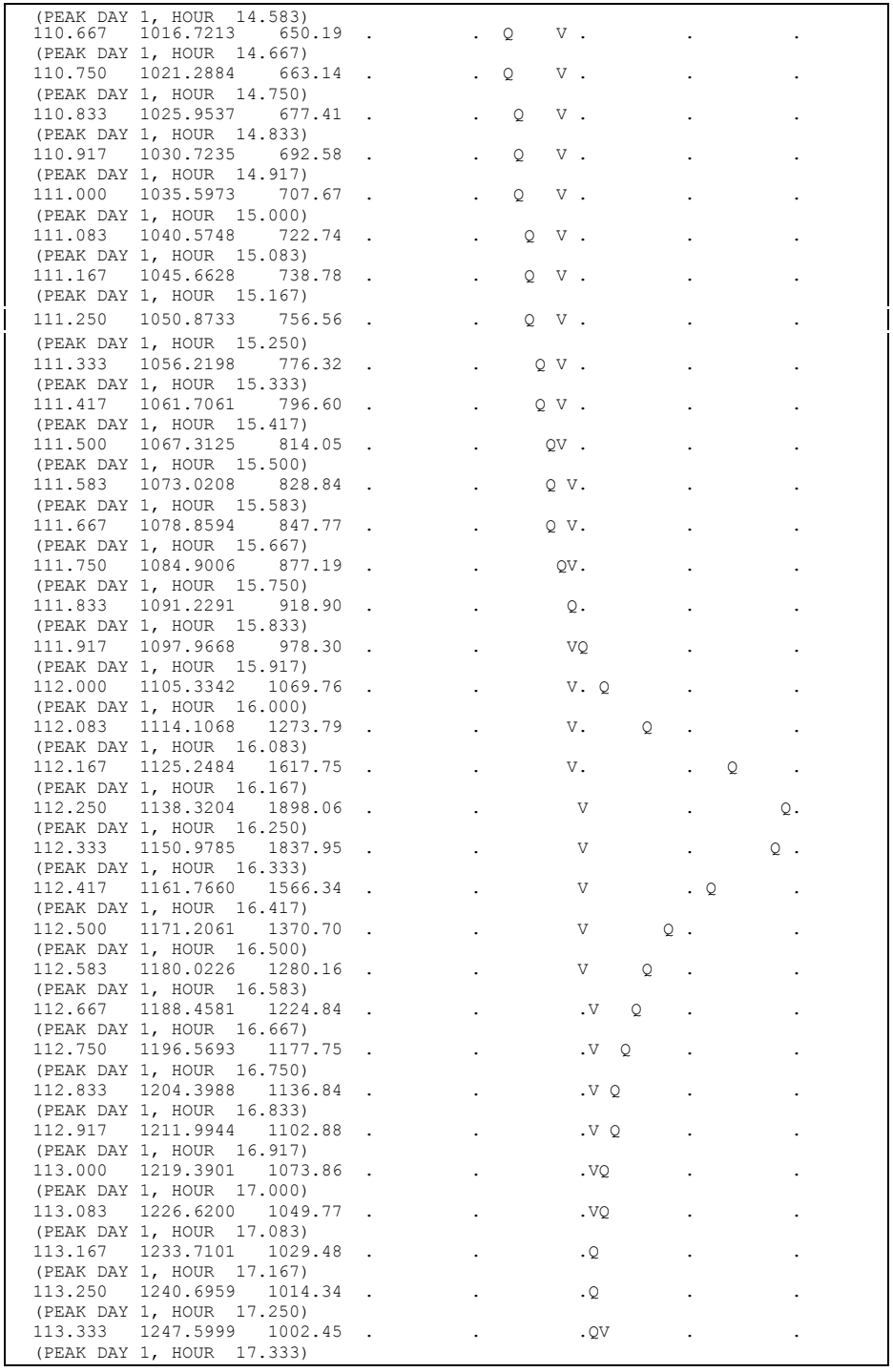
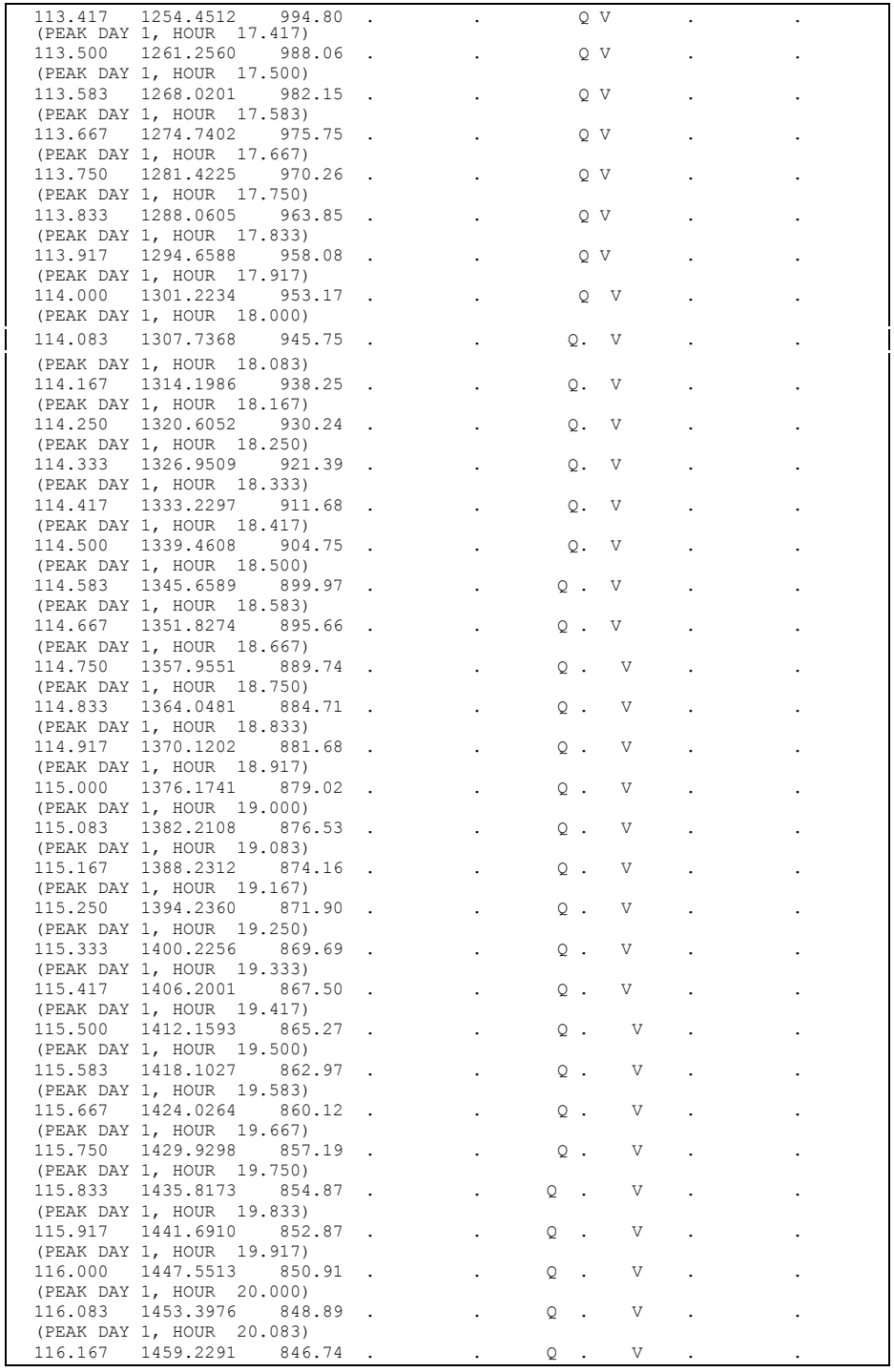

(PEAK DAY 1, HOUR 14.583)
110.667 1016.7213 650.19 . . Q V . . .
(PEAK DAY 1, HOUR 14.667)
110.750 1021.2884 663.14 . . Q V . . .
(PEAK DAY 1, HOUR 14.750)
110.833 1025.9537 677.41 . . Q V . . .
(PEAK DAY 1, HOUR 14.833)
110.917 1030.7235 692.58 . . Q V . . .
(PEAK DAY 1, HOUR 14.917)
111.000 1035.5973 707.67 . . Q V . . .
(PEAK DAY 1, HOUR 15.000)
111.083 1040.5748 722.74 . . Q V . . .
(PEAK DAY 1, HOUR 15.083)
111.167 1045.6628 738.78 . . Q V . . .
(PEAK DAY 1, HOUR 15.167)
111.250 1050.8733 756.56 . . Q V . . .
(PEAK DAY 1, HOUR 15.250)
111.333 1056.2198 776.32 . . Q V . . .
(PEAK DAY 1, HOUR 15.333)
111.417 1061.7061 796.60 . . Q V . . .
(PEAK DAY 1, HOUR 15.417)
111.500 1067.3125 814.05 . . QV . . .
(PEAK DAY 1, HOUR 15.500)
111.583 1073.0208 828.84 . . Q V. . .
(PEAK DAY 1, HOUR 15.583)
111.667 1078.8594 847.77 . . Q V. . .
(PEAK DAY 1, HOUR 15.667)
111.750 1084.9006 877.19 . . QV. . .
(PEAK DAY 1, HOUR 15.750)
111.833 1091.2291 918.90 . . Q. . .
(PEAK DAY 1, HOUR 15.833)
111.917 1097.9668 978.30 . . VQ . .
(PEAK DAY 1, HOUR 15.917)
112.000 1105.3342 1069.76 . . V. Q . .
(PEAK DAY 1, HOUR 16.000)
112.083 1114.1068 1273.79 . . V. Q . .
(PEAK DAY 1, HOUR 16.083)
112.167 1125.2484 1617.75 . . V. . Q .
(PEAK DAY 1, HOUR 16.167)
112.250 1138.3204 1898.06 . . V . Q.
(PEAK DAY 1, HOUR 16.250)
112.333 1150.9785 1837.95 . . V . Q .
(PEAK DAY 1, HOUR 16.333)
112.417 1161.7660 1566.34 . . V . Q .
(PEAK DAY 1, HOUR 16.417)
112.500 1171.2061 1370.70 . . V Q . .
(PEAK DAY 1, HOUR 16.500)
112.583 1180.0226 1280.16 . . V Q . .
(PEAK DAY 1, HOUR 16.583)
112.667 1188.4581 1224.84 . . .V Q . .
(PEAK DAY 1, HOUR 16.667)
112.750 1196.5693 1177.75 . . .V Q . .
(PEAK DAY 1, HOUR 16.750)
112.833 1204.3988 1136.84 . . .V Q . .
(PEAK DAY 1, HOUR 16.833)
112.917 1211.9944 1102.88 . . .V Q . .
(PEAK DAY 1, HOUR 16.917)
113.000 1219.3901 1073.86 . . .VQ . .
(PEAK DAY 1, HOUR 17.000)
113.083 1226.6200 1049.77 . . .VQ . .
(PEAK DAY 1, HOUR 17.083)
113.167 1233.7101 1029.48 . . .Q . .
(PEAK DAY 1, HOUR 17.167)
113.250 1240.6959 1014.34 . . .Q . .
(PEAK DAY 1, HOUR 17.250)
113.333 1247.5999 1002.45 . . .QV . .
(PEAK DAY 1, HOUR 17.333)


113.417 1254.4512 994.80 . . Q V . .
(PEAK DAY 1, HOUR 17.417)
113.500 1261.2560 988.06 . . Q V . .
(PEAK DAY 1, HOUR 17.500)
113.583 1268.0201 982.15 . . Q V . .
(PEAK DAY 1, HOUR 17.583)
113.667 1274.7402 975.75 . . Q V . .
(PEAK DAY 1, HOUR 17.667)
113.750 1281.4225 970.26 . . Q V . .
(PEAK DAY 1, HOUR 17.750)
113.833 1288.0605 963.85 . . Q V . .
(PEAK DAY 1, HOUR 17.833)
113.917 1294.6588 958.08 . . Q V . .
(PEAK DAY 1, HOUR 17.917)
114.000 1301.2234 953.17 . . Q V . .
(PEAK DAY 1, HOUR 18.000)
114.083 1307.7368 945.75 . . Q. V . .
(PEAK DAY 1, HOUR 18.083)
114.167 1314.1986 938.25 . . Q. V . .
(PEAK DAY 1, HOUR 18.167)
114.250 1320.6052 930.24 . . Q. V . .
(PEAK DAY 1, HOUR 18.250)
114.333 1326.9509 921.39 . . Q. V . .
(PEAK DAY 1, HOUR 18.333)
114.417 1333.2297 911.68 . . Q. V . .
(PEAK DAY 1, HOUR 18.417)
114.500 1339.4608 904.75 . . Q. V . .
(PEAK DAY 1, HOUR 18.500)
114.583 1345.6589 899.97 . . Q . V . .
(PEAK DAY 1, HOUR 18.583)
114.667 1351.8274 895.66 . . Q . V . .
(PEAK DAY 1, HOUR 18.667)
114.750 1357.9551 889.74 . . Q . V . .
(PEAK DAY 1, HOUR 18.750)
114.833 1364.0481 884.71 . . Q . V . .
(PEAK DAY 1, HOUR 18.833)
114.917 1370.1202 881.68 . . Q . V . .
(PEAK DAY 1, HOUR 18.917)
115.000 1376.1741 879.02 . . Q . V . .
(PEAK DAY 1, HOUR 19.000)
115.083 1382.2108 876.53 . . Q . V . .
(PEAK DAY 1, HOUR 19.083)
115.167 1388.2312 874.16 . . Q . V . .
(PEAK DAY 1, HOUR 19.167)
115.250 1394.2360 871.90 . . Q . V . .
(PEAK DAY 1, HOUR 19.250)
115.333 1400.2256 869.69 . . Q . V . .
(PEAK DAY 1, HOUR 19.333)
115.417 1406.2001 867.50 . . Q . V . .
(PEAK DAY 1, HOUR 19.417)
115.500 1412.1593 865.27 . . Q . V . .
(PEAK DAY 1, HOUR 19.500)
115.583 1418.1027 862.97 . . Q . V . .
(PEAK DAY 1, HOUR 19.583)
115.667 1424.0264 860.12 . . Q . V . .
(PEAK DAY 1, HOUR 19.667)
115.750 1429.9298 857.19 . . Q . V . .
(PEAK DAY 1, HOUR 19.750)
115.833 1435.8173 854.87 . . Q . V . .
(PEAK DAY 1, HOUR 19.833)
115.917 1441.6910 852.87 . . Q . V . .
(PEAK DAY 1, HOUR 19.917)
116.000 1447.5513 850.91 . . Q . V . .
(PEAK DAY 1, HOUR 20.000)
116.083 1453.3976 848.89 . . Q . V . .
(PEAK DAY 1, HOUR 20.083)
116.167 1459.2291 846.74 . . Q . V . .

(PEAK DAY 1, HOUR 20.167)
116.250 1465.0394 843.65 . . Q . V . .
(PEAK DAY 1, HOUR 20.250)
116.333 1470.8348 841.50 . . Q . V . .
(PEAK DAY 1, HOUR 20.333)
116.417 1476.6183 839.76 . . Q . V . .
(PEAK DAY 1, HOUR 20.417)
116.500 1482.3904 838.11 . . Q . V . .
(PEAK DAY 1, HOUR 20.500)
116.583 1488.1512 836.48 . . Q . V . .
(PEAK DAY 1, HOUR 20.583)
116.667 1493.9011 834.89 . . Q . V . .
(PEAK DAY 1, HOUR 20.667)
116.750 1499.6404 833.34 . . Q . V . .
(PEAK DAY 1, HOUR 20.750)
116.833 1505.3693 831.83 . . Q . V . .
(PEAK DAY 1, HOUR 20.833)
116.917 1511.0878 830.33 . . Q . V . .
(PEAK DAY 1, HOUR 20.917)
117.000 1516.7961 828.85 . . Q . V . .
(PEAK DAY 1, HOUR 21.000)
117.083 1522.4944 827.39 . . Q . V . .
(PEAK DAY 1, HOUR 21.083)
117.167 1528.1826 825.93 . . Q . V . .
(PEAK DAY 1, HOUR 21.167)
117.250 1533.8610 824.50 . . Q . V . .
(PEAK DAY 1, HOUR 21.250)
117.333 1539.5295 823.07 . . Q . V . .
(PEAK DAY 1, HOUR 21.333)
117.417 1545.1884 821.66 . . Q . V . .
(PEAK DAY 1, HOUR 21.417)
117.500 1550.8376 820.27 . . Q . V . .
(PEAK DAY 1, HOUR 21.500)
117.583 1556.4775 818.92 . . Q . V . .
(PEAK DAY 1, HOUR 21.583)
117.667 1562.1084 817.61 . . Q . V . .
(PEAK DAY 1, HOUR 21.667)
117.750 1567.7303 816.31 . . Q . V . .
(PEAK DAY 1, HOUR 21.750)
117.833 1573.3435 815.03 . . Q . V . .
(PEAK DAY 1, HOUR 21.833)
117.917 1578.9479 813.75 . . Q . V . .
(PEAK DAY 1, HOUR 21.917)
118.000 1584.5435 812.48 . . Q . V . .
(PEAK DAY 1, HOUR 22.000)
118.083 1590.1304 811.22 . . Q . V . .
(PEAK DAY 1, HOUR 22.083)
118.167 1595.7087 809.97 . . Q . V . .
(PEAK DAY 1, HOUR 22.167)
118.250 1601.2786 808.73 . . Q . V . .
(PEAK DAY 1, HOUR 22.250)
118.333 1606.8398 807.50 . . Q . V . .
(PEAK DAY 1, HOUR 22.333)
118.417 1612.3927 806.28 . . Q . V . .
(PEAK DAY 1, HOUR 22.417)
118.500 1617.9371 805.06 . . Q . V . .
(PEAK DAY 1, HOUR 22.500)
118.583 1623.4733 803.85 . . Q . V . .
(PEAK DAY 1, HOUR 22.583)
118.667 1629.0011 802.64 . . Q . V . .
(PEAK DAY 1, HOUR 22.667)
118.750 1634.5206 801.44 . . Q . V . .
(PEAK DAY 1, HOUR 22.750)
118.833 1640.0320 800.24 . . Q . V. .
(PEAK DAY 1, HOUR 22.833)
118.917 1645.5350 799.05 . . Q . V. .
(PEAK DAY 1, HOUR 22.917)
119.000 1651.0299 797.86 . . Q . V. .
(PEAK DAY 1, HOUR 23.000)
119.083 1656.5167 796.68 . . Q . V. .
(PEAK DAY 1, HOUR 23.083)
119.167 1661.9954 795.50 . . Q . V. .
(PEAK DAY 1, HOUR 23.167)
119.250 1667.4659 794.33 . . Q . V. .
(PEAK DAY 1, HOUR 23.250)
119.333 1672.9285 793.16 . . Q . V. .
(PEAK DAY 1, HOUR 23.333)
119.417 1678.3829 791.99 . . Q . V. .
(PEAK DAY 1, HOUR 23.417)
119.500 1683.8295 790.84 . . Q . V. .
(PEAK DAY 1, HOUR 23.500)
119.583 1689.2683 789.72 . . Q . V. .
(PEAK DAY 1, HOUR 23.583)
119.667 1694.6996 788.63 . . Q . V .
(PEAK DAY 1, HOUR 23.667)
119.750 1700.1234 787.55 . . Q . V .
(PEAK DAY 1, HOUR 23.750)
119.833 1705.5399 786.47 . . Q . V .
(PEAK DAY 1, HOUR 23.833)
119.917 1710.9490 785.40 . . Q . V .
(PEAK DAY 1, HOUR 23.917)
120.000 1716.3507 784.33 . . Q . V .
(PEAK DAY 1, HOUR 24.000)
120.083 1721.7394 782.43 . . Q . V .
(PEAK DAY 1, HOUR 24.083)
120.167 1727.0986 778.16 . . Q . V .
(PEAK DAY 1, HOUR 24.167)
120.250 1732.4114 771.41 . . Q . V .
(PEAK DAY 1, HOUR 24.250)
120.333 1737.6792 764.89 . . Q . V .
(PEAK DAY 1, HOUR 24.333)
120.417 1742.9163 760.42 . . Q . V .
(PEAK DAY 1, HOUR 24.417)
120.500 1748.1320 757.32 . . Q . V .
(PEAK DAY 1, HOUR 24.500)
120.583 1753.3298 754.72 . . Q . .V .
(PEAK DAY 1, HOUR 24.583)
120.667 1758.5118 752.42 . . Q . .V .
(PEAK DAY 1, HOUR 24.667)
120.750 1763.6794 750.33 . . Q . .V .
(PEAK DAY 1, HOUR 24.750)
120.833 1768.8337 748.40 . . Q . .V .
(PEAK DAY 1, HOUR 24.833)
120.917 1773.9755 746.57 . . Q . .V .
(PEAK DAY 1, HOUR 24.917)
121.000 1779.1053 744.86 . . Q . .V .
(PEAK DAY 1, HOUR 25.000)
121.083 1784.2240 743.22 . . Q . .V .
(PEAK DAY 1, HOUR 25.083)
121.167 1789.3309 741.52 . . Q . .V .
(PEAK DAY 1, HOUR 25.167)
121.250 1794.4238 739.50 . . Q . .V .
(PEAK DAY 1, HOUR 25.250)
121.333 1799.5006 737.15 . . Q . .V .
(PEAK DAY 1, HOUR 25.333)
121.417 1804.5603 734.67 . . Q . .V .
(PEAK DAY 1, HOUR 25.417)
121.500 1809.6028 732.16 . . Q . . V .
(PEAK DAY 1, HOUR 25.500)
121.583 1814.6281 729.67 . . Q . . V .
(PEAK DAY 1, HOUR 25.583)
121.667 1819.6362 727.19 . . Q . . V .
(PEAK DAY 1, HOUR 25.667)
121.750 1824.6274 724.73 . . Q . . V .

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 (PEAK DAY 1, HOUR  25.750)
 121.833   1829.6019    722.29  .          .    Q    .         . V         .
 (PEAK DAY 1, HOUR  25.833)
 121.917   1834.5597    719.87  .          .    Q    .         . V         .
 (PEAK DAY 1, HOUR  25.917)
 122.000   1839.5009    717.45  .          .    Q    .         . V         .
 (PEAK DAY 1, HOUR  26.000)
 122.083   1844.4255    715.07  .          .    Q    .         . V         .
 (PEAK DAY 1, HOUR  26.083)
 122.167   1849.3340    712.71  .          .    Q    .         . V         .
 (PEAK DAY 1, HOUR  26.167)
 122.250   1854.2262    710.36  .          .   Q     .         . V         .
 (PEAK DAY 1, HOUR  26.250)
 122.333   1859.1024    708.02  .          .   Q     .         . V         .
 (PEAK DAY 1, HOUR  26.333)
 122.417   1863.9628    705.72  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  26.417)
 122.500   1868.8074    703.44  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  26.500)
 122.583   1873.6361    701.13  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  26.583)
 122.667   1878.4487    698.79  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  26.667)
 122.750   1883.2452    696.46  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  26.750)
 122.833   1888.0259    694.14  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  26.833)
 122.917   1892.7905    691.83  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  26.917)
 123.000   1897.5394    689.53  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  27.000)
 123.083   1902.2725    687.24  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  27.083)
 123.167   1906.9897    684.95  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  27.167)
 123.250   1911.6914    682.67  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1916.3773    680.40  .          .   Q     .         .  V        .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1921.0477    678.14  .          .   Q     .         .   V       .
 (PEAK DAY 1, HOUR  27.417)
 123.500   1925.7025    675.88  .          .   Q     .         .   V       .
 (PEAK DAY 1, HOUR  27.500)
 123.583   1930.3418    673.62  .          .   Q     .         .   V       .
 (PEAK DAY 1, HOUR  27.583)
 123.667   1934.9657    671.38  .          .   Q     .         .   V       .
 (PEAK DAY 1, HOUR  27.667)
 123.750   1939.5742    669.16  .          .   Q     .         .   V       .
 (PEAK DAY 1, HOUR  27.750)
 123.833   1944.1675    666.93  .          .   Q     .         .   V       .
 (PEAK DAY 1, HOUR  27.833)
 123.917   1948.7451    664.66  .          .  Q      .         .   V       .
 (PEAK DAY 1, HOUR  27.917)
 124.000   1953.3065    662.32  .          .  Q      .         .   V       .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  END OF FLOODSCx ROUTING ANALYSIS



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  FLOW PROCESS FROM NODE   6330.00 TO NODE   6355.00 IS CODE = 5.2
----------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5341.3 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     375.00
           DOWNSTREAM ELEVATION(FT) =     314.00
           CHANNEL LENGTH(FT) =    6086.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  1898.06
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  1172.74
           CHANNEL NORMAL VELOCITY FOR Q =  1172.74 CFS =   8.36 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.831

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.693


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	66.48	67.72	67.72
1	0.083	96.083	66.64	67.21	67.21
1	0.167	96.167	69.10	66.71	66.71
1	0.250	96.250	74.99	66.66	66.66
1	0.333	96.333	83.11	68.32	68.32
1	0.417	96.417	92.31	72.87	72.87
1	0.500	96.500	104.06	79.87	79.87
1	0.583	96.583	122.28	88.38	88.38
1	0.667	96.667	146.44	99.11	99.11
1	0.750	96.750	168.41	114.95	114.95
1	0.833	96.833	183.52	136.49	136.49
1	0.917	96.917	193.98	158.36	158.36
1	1.000	97.000	202.17	175.62	175.62
1	1.083	97.083	208.95	188.22	188.22
1	1.167	97.167	214.76	197.79	197.79
1	1.250	97.250	219.86	205.44	205.44
1	1.333	97.333	224.35	211.83	211.83
1	1.417	97.417	228.32	217.34	217.34
1	1.500	97.500	231.89	222.14	222.14
1	1.583	97.583	235.18	226.37	226.37
1	1.667	97.667	238.15	230.16	230.16
1	1.750	97.750	240.84	233.60	233.60
1	1.833	97.833	243.25	236.72	236.72
1	1.917	97.917	245.40	239.54	239.54
1	2.000	98.000	247.35	242.08	242.08
1	2.083	98.083	249.18	244.36	244.36
1	2.167	98.167	250.83	246.41	246.41
1	2.250	98.250	252.21	248.31	248.31
1	2.333	98.333	253.39	250.04	250.04
1	2.417	98.417	254.51	251.53	251.53
1	2.500	98.500	255.62	252.81	252.81

1	2.583	98.583	256.73	253.98	253.98
1	2.667	98.667	257.85	255.10	255.10
1	2.750	98.750	258.97	256.22	256.22
1	2.833	98.833	260.09	257.34	257.34
1	2.917	98.917	261.21	258.46	258.46
1	3.000	99.000	262.35	259.57	259.57
1	3.083	99.083	263.50	260.70	260.70
1	3.167	99.167	264.66	261.83	261.83
1	3.250	99.250	265.83	262.97	262.97
1	3.333	99.333	267.01	264.13	264.13
1	3.417	99.417	268.20	265.29	265.29
1	3.500	99.500	269.41	266.47	266.47
1	3.583	99.583	270.62	267.66	267.66
1	3.667	99.667	271.85	268.86	268.86
1	3.750	99.750	273.08	270.07	270.07
1	3.833	99.833	274.32	271.29	271.29
1	3.917	99.917	275.57	272.51	272.51
1	4.000	100.000	276.82	273.75	273.75
1	4.083	100.083	278.02	275.00	275.00
1	4.167	100.167	279.19	276.24	276.24
1	4.250	100.250	280.35	277.46	277.46
1	4.333	100.333	281.51	278.64	278.64
1	4.417	100.417	282.69	279.81	279.81
1	4.500	100.500	283.88	280.98	280.98
1	4.583	100.583	285.09	282.15	282.15
1	4.667	100.667	286.31	283.34	283.34
1	4.750	100.750	287.54	284.54	284.54
1	4.833	100.833	288.78	285.75	285.75
1	4.917	100.917	290.05	286.97	286.97
1	5.000	101.000	291.32	288.21	288.21
1	5.083	101.083	292.61	289.47	289.47
1	5.167	101.167	293.91	290.74	290.74
1	5.250	101.250	295.23	292.02	292.02
1	5.333	101.333	296.57	293.32	293.32
1	5.417	101.417	297.92	294.63	294.63
1	5.500	101.500	299.29	295.96	295.96
1	5.583	101.583	300.67	297.30	297.30
1	5.667	101.667	302.07	298.66	298.66
1	5.750	101.750	303.49	300.04	300.04
1	5.833	101.833	304.93	301.43	301.43
1	5.917	101.917	306.38	302.84	302.84
1	6.000	102.000	307.85	304.27	304.27
1	6.083	102.083	309.34	305.72	305.72
1	6.167	102.167	310.85	307.18	307.18
1	6.250	102.250	312.38	308.66	308.66
1	6.333	102.333	313.92	310.16	310.16
1	6.417	102.417	315.49	311.68	311.68
1	6.500	102.500	317.08	313.22	313.22
1	6.583	102.583	318.69	314.77	314.77
1	6.667	102.667	320.31	316.35	316.35
1	6.750	102.750	321.84	317.95	317.95
1	6.833	102.833	323.03	319.57	319.57
1	6.917	102.917	323.84	321.13	321.13
1	7.000	103.000	324.55	322.43	322.43
1	7.083	103.083	325.36	323.40	323.40
1	7.167	103.167	326.31	324.19	324.19
1	7.250	103.250	327.38	324.99	324.99
1	7.333	103.333	328.56	325.89	325.89
1	7.417	103.417	329.84	326.91	326.91
1	7.500	103.500	331.21	328.04	328.04
1	7.583	103.583	332.66	329.28	329.28
1	7.667	103.667	334.19	330.60	330.60
1	7.750	103.750	335.78	332.01	332.01
1	7.833	103.833	337.42	333.50	333.50
1	7.917	103.917	339.13	335.06	335.06
1	8.000	104.000	340.89	336.68	336.68
1	8.083	104.083	342.70	338.36	338.36
1	8.167	104.167	344.56	340.09	340.09
1	8.250	104.250	346.46	341.88	341.88
1	8.333	104.333	348.41	343.72	343.72
1	8.417	104.417	350.40	345.60	345.60
1	8.500	104.500	352.43	347.52	347.52
1	8.583	104.583	354.51	349.49	349.49
1	8.667	104.667	356.62	351.51	351.51
1	8.750	104.750	358.78	353.56	353.56
1	8.833	104.833	360.98	355.66	355.66
1	8.917	104.917	363.22	357.80	357.80
1	9.000	105.000	365.49	359.98	359.98
1	9.083	105.083	367.72	362.19	362.19
1	9.167	105.167	369.67	364.45	364.45
1	9.250	105.250	371.21	366.69	366.69
1	9.333	105.333	372.59	368.73	368.73
1	9.417	105.417	374.00	370.43	370.43
1	9.500	105.500	375.49	371.91	371.91
1	9.583	105.583	377.07	373.34	373.34
1	9.667	105.667	378.73	374.81	374.81
1	9.750	105.750	380.47	376.36	376.36
1	9.833	105.833	382.30	377.98	377.98
1	9.917	105.917	384.21	379.69	379.69
1	10.000	106.000	386.20	381.48	381.48
1	10.083	106.083	388.27	383.35	383.35
1	10.167	106.167	390.41	385.30	385.30
1	10.250	106.250	392.64	387.33	387.33
1	10.333	106.333	394.94	389.44	389.44
1	10.417	106.417	397.32	391.63	391.63
1	10.500	106.500	399.78	393.90	393.90
1	10.583	106.583	402.32	396.24	396.24
1	10.667	106.667	404.94	398.67	398.67
1	10.750	106.750	407.64	401.17	401.17
1	10.833	106.833	410.39	403.75	403.75
1	10.917	106.917	412.96	406.41	406.41
1	11.000	107.000	415.17	409.13	409.13
1	11.083	107.083	417.21	411.75	411.75
1	11.167	107.167	419.28	414.10	414.10
1	11.250	107.250	421.43	416.23	416.23
1	11.333	107.333	423.67	418.32	418.32
1	11.417	107.417	426.01	420.45	420.45
1	11.500	107.500	428.44	422.66	422.66
1	11.583	107.583	430.96	424.95	424.95
1	11.667	107.667	433.58	427.34	427.34
1	11.750	107.750	436.30	429.82	429.82
1	11.833	107.833	439.13	432.40	432.40
1	11.917	107.917	442.05	435.07	435.07
1	12.000	108.000	445.09	437.85	437.85
1	12.083	108.083	448.75	440.73	440.73
1	12.167	108.167	454.04	443.71	443.71
1	12.250	108.250	460.89	447.16	447.16
1	12.333	108.333	467.40	451.87	451.87
1	12.417	108.417	472.42	458.04	458.04
1	12.500	108.500	476.65	464.45	464.45
1	12.583	108.583	480.90	469.91	469.91
1	12.667	108.667	485.42	474.54	474.54
1	12.750	108.750	490.23	478.90	478.90
1	12.833	108.833	495.28	483.36	483.36
1	12.917	108.917	500.52	488.07	488.07
1	13.000	109.000	505.92	493.01	493.01
1	13.083	109.083	511.47	498.16	498.16
1	13.167	109.167	517.16	503.48	503.48
1	13.250	109.250	523.01	508.95	508.95
1	13.333	109.333	529.03	514.58	514.58
1	13.417	109.417	535.25	520.35	520.35
1	13.500	109.500	541.66	526.30	526.30
1	13.583	109.583	548.21	532.43	532.43
1	13.667	109.667	554.51	538.75	538.75

1	13.750	109.750	560.38	545.23	545.23
1	13.833	109.833	566.14	551.58	551.58
1	13.917	109.917	572.12	557.61	557.61
1	14.000	110.000	578.41	563.45	563.45
1	14.083	110.083	585.10	569.39	569.39
1	14.167	110.167	592.37	575.57	575.57
1	14.250	110.250	600.34	582.10	582.10
1	14.333	110.333	608.90	589.13	589.13
1	14.417	110.417	618.04	596.80	596.80
1	14.500	110.500	627.87	605.09	605.09
1	14.583	110.583	638.51	613.96	613.96
1	14.667	110.667	650.19	623.49	623.49
1	14.750	110.750	663.14	633.77	633.77
1	14.833	110.833	677.41	645.02	645.02
1	14.917	110.917	692.58	657.43	657.43
1	15.000	111.000	707.67	671.11	671.11
1	15.083	111.083	722.74	685.81	685.81
1	15.167	111.167	738.78	700.78	700.78
1	15.250	111.250	756.56	715.82	715.82
1	15.333	111.333	776.32	731.54	731.54
1	15.417	111.417	796.60	748.68	748.68
1	15.500	111.500	814.05	767.60	767.60
1	15.583	111.583	828.84	787.46	787.46
1	15.667	111.667	847.77	805.68	805.68
1	15.750	111.750	877.19	821.56	821.56
1	15.833	111.833	918.90	839.50	839.50
1	15.917	111.917	978.30	865.28	865.28
1	16.000	112.000	1069.76	901.95	901.95
1	16.083	112.083	1273.79	954.17	954.17
1	16.167	112.167	1617.75	1033.21	1033.21
1	16.250	112.250	1898.06	1197.55	1197.55
1	16.333	112.333	1837.95	1484.75	1484.75
1	16.417	112.417	1566.34	1767.90	1767.90
1	16.500	112.500	1370.70	1817.12	1817.12
1	16.583	112.583	1280.16	1646.48	1646.48
1	16.667	112.667	1224.84	1457.65	1457.65
1	16.750	112.750	1177.75	1335.71	1335.71
1	16.833	112.833	1136.84	1259.53	1259.53
1	16.917	112.917	1102.88	1203.41	1203.41
1	17.000	113.000	1073.86	1157.75	1157.75
1	17.083	113.083	1049.77	1120.12	1120.12
1	17.167	113.167	1029.48	1088.40	1088.40
1	17.250	113.250	1014.34	1061.91	1061.91
1	17.333	113.333	1002.45	1039.68	1039.68
1	17.417	113.417	994.80	1022.29	1022.29
1	17.500	113.500	988.06	1008.68	1008.68
1	17.583	113.583	982.15	999.15	999.15
1	17.667	113.667	975.75	991.55	991.55
1	17.750	113.750	970.26	985.10	985.10
1	17.833	113.833	963.85	978.70	978.70
1	17.917	113.917	958.08	972.92	972.92
1	18.000	114.000	953.17	966.71	966.71
1	18.083	114.083	945.75	960.79	960.79
1	18.167	114.167	938.25	955.57	955.57
1	18.250	114.250	930.24	948.85	948.85
1	18.333	114.333	921.39	941.59	941.59
1	18.417	114.417	911.68	933.82	933.82
1	18.500	114.500	904.75	925.31	925.31
1	18.583	114.583	899.97	915.98	915.98
1	18.667	114.667	895.66	908.28	908.28
1	18.750	114.750	889.74	902.57	902.57
1	18.833	114.833	884.71	897.83	897.83
1	18.917	114.917	881.68	892.30	892.30
1	19.000	115.000	879.02	887.10	887.10
1	19.083	115.083	876.53	883.38	883.38
1	19.167	115.167	874.16	880.39	880.39
1	19.250	115.250	871.90	877.74	877.74
1	19.333	115.333	869.69	875.29	875.29
1	19.417	115.417	867.50	872.96	872.96
1	19.500	115.500	865.27	870.72	870.72
1	19.583	115.583	862.97	868.51	868.51
1	19.667	115.667	860.12	866.30	866.30
1	19.750	115.750	857.19	864.02	864.02
1	19.833	115.833	854.87	861.35	861.35
1	19.917	115.917	852.87	858.50	858.50
1	20.000	116.000	850.91	856.01	856.01
1	20.083	116.083	848.89	853.86	853.86
1	20.167	116.167	846.74	851.84	851.84
1	20.250	116.250	843.65	849.82	849.82
1	20.333	116.333	841.50	847.71	847.71
1	20.417	116.417	839.76	844.93	844.93
1	20.500	116.500	838.11	842.58	842.58
1	20.583	116.583	836.48	840.65	840.65
1	20.667	116.667	834.89	838.91	838.91
1	20.750	116.750	833.34	837.24	837.24
1	20.833	116.833	831.83	835.63	835.63
1	20.917	116.917	830.33	834.06	834.06
1	21.000	117.000	828.85	832.53	832.53
1	21.083	117.083	827.39	831.02	831.02
1	21.167	117.167	825.93	829.53	829.53
1	21.250	117.250	824.50	828.06	828.06
1	21.333	117.333	823.07	826.60	826.60
1	21.417	117.417	821.66	825.16	825.16
1	21.500	117.500	820.27	823.73	823.73
1	21.583	117.583	818.92	822.31	822.31
1	21.667	117.667	817.61	820.91	820.91
1	21.750	117.750	816.31	819.55	819.55
1	21.833	117.833	815.03	818.22	818.22
1	21.917	117.917	813.75	816.91	816.91
1	22.000	118.000	812.48	815.62	815.62
1	22.083	118.083	811.22	814.34	814.34
1	22.167	118.167	809.97	813.07	813.07
1	22.250	118.250	808.73	811.81	811.81
1	22.333	118.333	807.50	810.55	810.55
1	22.417	118.417	806.28	809.31	809.31
1	22.500	118.500	805.06	808.07	808.07
1	22.583	118.583	803.85	806.84	806.84
1	22.667	118.667	802.64	805.62	805.62
1	22.750	118.750	801.44	804.41	804.41
1	22.833	118.833	800.24	803.20	803.20
1	22.917	118.917	799.05	801.99	801.99
1	23.000	119.000	797.86	800.79	800.79
1	23.083	119.083	796.68	799.60	799.60
1	23.167	119.167	795.50	798.41	798.41
1	23.250	119.250	794.33	797.22	797.22
1	23.333	119.333	793.16	796.04	796.04
1	23.417	119.417	791.99	794.87	794.87
1	23.500	119.500	790.84	793.70	793.70
1	23.583	119.583	789.72	792.53	792.53
1	23.667	119.667	788.63	791.37	791.37
1	23.750	119.750	787.55	790.24	790.24
1	23.833	119.833	786.47	789.14	789.14
1	23.917	119.917	785.40	788.05	788.05
1	24.000	120.000	784.33	786.97	786.97
1	24.083	120.083	782.43	785.89	785.89
1	24.167	120.167	778.16	784.82	784.82
1	24.250	120.250	771.41	783.19	783.19
1	24.333	120.333	764.89	779.75	779.75
1	24.417	120.417	760.42	774.05	774.05
1	24.500	120.500	757.32	767.78	767.78
1	24.583	120.583	754.72	762.73	762.73
1	24.667	120.667	752.42	759.02	759.02
1	24.750	120.750	750.33	756.07	756.07
1	24.833	120.833	748.40	753.57	753.57

1	24.917	120.917	746.57	751.35	751.35
1	25.000	121.000	744.86	749.32	749.32
1	25.083	121.083	743.22	747.44	747.44
1	25.167	121.167	741.52	745.67	745.67
1	25.250	121.250	739.50	743.99	743.99
1	25.333	121.333	737.15	742.30	742.30
1	25.417	121.417	734.67	740.38	740.38
1	25.500	121.500	732.16	738.17	738.17
1	25.583	121.583	729.67	735.77	735.77
1	25.667	121.667	727.19	733.30	733.30
1	25.750	121.750	724.73	730.81	730.81
1	25.833	121.833	722.29	728.33	728.33
1	25.917	121.917	719.87	725.86	725.86
1	26.000	122.000	717.45	723.41	723.41
1	26.083	122.083	715.07	720.98	720.98
1	26.167	122.167	712.71	718.57	718.57
1	26.250	122.250	710.36	716.17	716.17
1	26.333	122.333	708.02	713.80	713.80
1	26.417	122.417	705.72	711.44	711.44
1	26.500	122.500	703.44	709.10	709.10
1	26.583	122.583	701.13	706.79	706.79
1	26.667	122.667	698.79	704.49	704.49
1	26.750	122.750	696.46	702.19	702.19
1	26.833	122.833	694.14	699.86	699.86
1	26.917	122.917	691.83	697.53	697.53
1	27.000	123.000	689.53	695.21	695.21
1	27.083	123.083	687.24	692.90	692.90
1	27.167	123.167	684.95	690.59	690.59
1	27.250	123.250	682.67	688.30	688.30
1	27.333	123.333	680.40	686.01	686.01
1	27.417	123.417	678.14	683.72	683.72
1	27.500	123.500	675.88	681.45	681.45
1	27.583	123.583	673.62	679.18	679.18
1	27.667	123.667	671.38	676.92	676.92
1	27.750	123.750	669.16	674.66	674.66
1	27.833	123.833	666.93	672.42	672.42
1	27.917	123.917	664.66	670.18	670.18
1	28.000	124.000	662.32	667.96	667.96

Note: Computed Hydrograph continues past two days after the peak day of the design storm.

PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 2256.703 AF
OUTFLOW VOLUME = 2256.703 AF
LOSS VOLUME = 0.000 AF

END OF FLOODSCx ROUTING ANALYSIS

FLOW PROCESS FROM NODE 6340.00 TO NODE 6355.00 IS CODE = 1

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 697.9 Ac. ***
>>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

(UNIT-HYDROGRAPH ADDED TO STREAM #2)

WATERSHED AREA = 697.900 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.340 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.

THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM) MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED):
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.900
FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
VALLEY(UNDEVELOPED)/DESERT:
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:

RAINFALL DEPTHS & LOSS RATES	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
5-MINUTE (INCHES)	0.58	0.27	0.12	0.06	0.04
30-MINUTE (INCHES)	1.22	0.56	0.24	0.13	0.09
1-HOUR (INCHES)	1.62	0.75	0.33	0.17	0.12
3-HOUR (INCHES)	2.71	1.25	0.54	0.28	0.21
6-HOUR (INCHES)	3.75	1.73	0.75	0.39	0.29
24-HOUR (INCHES)	6.28	2.89	1.26	0.66	0.48
LOSS RATE(IN/HR)	0.210	0.210	0.210	0.210	0.210
LOW LOSS FRACTION	0.450	0.690	0.900	0.980	0.990

5-MINUTE FACTOR = 0.969
30-MINUTE FACTOR = 0.969
1-HOUR FACTOR = 0.969
3-HOUR FACTOR = 0.995
6-HOUR FACTOR = 0.998
24-HOUR FACTOR = 0.999

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 24.510

RUNOFF HYDROGRAPH LISTING LIMITS:
MODEL TIME(HOURS) FOR BEGINNING OF RESULTS = 96.00
MODEL TIME(HOURS) FOR END OF RESULTS = 124.00

UNIT HYDROGRAPH DETERMINATION

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	1.545	130.419
2	7.337	488.804
3	20.261	1090.852
4	37.173	1427.448
5	57.561	1720.753
6	73.834	1373.504
7	84.155	871.070
8	90.157	506.624
9	93.846	311.340
10	95.934	176.209
11	96.823	75.053
12	97.453	53.201
13	98.047	50.140
14	98.563	43.554
15	98.877	26.445
16	99.042	13.975
17	99.137	8.025
18	99.206	5.797
19	99.261	4.649
20	99.315	4.546

21	99.365	4.228
22	99.414	4.161
23	99.461	3.902
24	99.505	3.743
25	99.548	3.674
26	99.587	3.272
27	99.625	3.204
28	99.663	3.169
29	99.695	2.719
30	99.726	2.582
31	99.756	2.583
32	99.787	2.570
33	99.813	2.195
34	99.830	1.492
35	99.848	1.489
36	99.866	1.488
37	99.883	1.487
38	99.899	1.328
39	99.905	0.518
40	99.910	0.406
41	99.915	0.406
42	99.919	0.404
43	99.924	0.406
44	99.929	0.406
45	99.934	0.405
46	99.939	0.408
47	99.944	0.405
48	99.948	0.408
49	99.953	0.404
50	99.958	0.405
51	99.963	0.405
52	99.968	0.405
53	99.972	0.405
54	99.977	0.404
55	99.982	0.405
56	99.987	0.405
57	99.992	0.405
58	99.996	0.405
59	100.000	0.311

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 349.4661

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 322.3159

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	400.0	800.0	1200.0	1600.0
96.000	87.4798	10.14	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	87.5521	10.50	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	87.6352	12.06	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	87.7427	15.61	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	87.8825	20.31	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	88.0616	26.00	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	88.2723	30.59	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	88.5034	33.55	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	88.7466	35.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	88.9977	36.46	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	89.2536	37.16	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	89.5120	37.53	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	89.7725	37.82	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	90.0351	38.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	90.2995	38.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	90.5654	38.61	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	90.8325	38.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	91.1007	38.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	91.3700	39.10	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	91.6403	39.25	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	91.9117	39.41	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	92.1842	39.56	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	92.4577	39.71	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	92.7323	39.87	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	93.0079	40.03	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	93.2847	40.18	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	93.5625	40.34	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	93.8414	40.50	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	94.1214	40.66	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	94.4026	40.82	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	94.6848	40.98	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	94.9682	41.14	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	95.2526	41.31	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	95.5383	41.47	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	95.8250	41.63	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	96.1129	41.80	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	96.4019	41.97	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	96.6921	42.14	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	96.9835	42.31	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	97.2760	42.48	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	97.5697	42.65	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	97.8646	42.82	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	98.1607	42.99	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	98.4580	43.17	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	98.7566	43.35	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	99.0563	43.53	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	99.3573	43.71	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	99.6596	43.89	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	99.9632	44.08	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	100.2680	44.26	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	100.5742	44.45	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	100.8816	44.65	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	101.1905	44.84	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	101.5006	45.04	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	101.8121	45.23	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	102.1251	45.43	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	102.4394	45.64	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	102.7551	45.84	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	103.0722	46.05	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	103.3908	46.26	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	103.7108	46.47	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	104.0324	46.68	.Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
101.167    104.3554     46.90  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.167)
101.250    104.6799     47.12  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.250)
101.333    105.0059     47.34  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.333)
101.417    105.3335     47.56  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.417)
101.500    105.6626     47.79  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.500)
101.583    105.9933     48.02  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.583)
101.667    106.3257     48.25  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.667)
101.750    106.6596     48.49  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.750)
101.833    106.9952     48.73  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.833)
101.917    107.3325     48.97  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.917)
102.000    107.6714     49.21  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.000)
102.083    108.0120     49.46  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.083)
102.167    108.3544     49.71  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.167)
102.250    108.6985     49.97  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.250)
102.333    109.0444     50.23  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.333)
102.417    109.3922     50.49  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.417)
102.500    109.7417     50.75  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.500)
102.583    110.0931     51.02  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.583)
102.667    110.4463     51.29  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.667)
102.750    110.8015     51.57  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.750)
102.833    111.1586     51.85  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.833)
102.917    111.5177     52.14  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.917)
103.000    111.8787     52.42  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.000)
103.083    112.2418     52.72  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.083)
103.167    112.6068     53.01  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.167)
103.250    112.9740     53.31  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.250)
103.333    113.3433     53.62  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.333)
103.417    113.7147     53.93  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.417)
103.500    114.0882     54.24  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.500)
103.583    114.4640     54.56  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.583)
103.667    114.8420     54.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.667)
103.750    115.2223     55.22  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.750)
103.833    115.6049     55.55  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.833)
103.917    115.9898     55.89  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   7.917)
104.000    116.3771     56.24  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.000)
104.083    116.7669     56.59  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.083)
104.167    117.1590     56.94  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.167)
104.250    117.5537     57.31  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.250)
104.333    117.9509     57.68  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.333)
104.417    118.3508     58.05  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.417)
104.500    118.7532     58.43  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.500)
104.583    119.1583     58.82  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.583)
104.667    119.5661     59.22  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.667)
104.750    119.9767     59.62  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.750)
104.833    120.3901     60.03  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.833)
104.917    120.8064     60.45  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.917)
105.000    121.2256     60.87  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.000)
105.083    121.6478     61.30  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.083)
105.167    122.0730     61.74  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.167)
105.250    122.5013     62.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.250)
105.333    122.9327     62.64  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.333)
105.417    123.3674     63.11  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500    123.8053     63.58  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    124.2466     64.07  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    124.6912     64.56  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    125.1393     65.07  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    125.5910     65.58  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    126.0462     66.11  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    126.5052     66.64  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    126.9679     67.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    127.4345     67.74  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    127.9050     68.32  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    128.3795     68.90  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    128.8582     69.50  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    129.3410     70.11  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    129.8282     70.74  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    130.3197     71.37  .Q        .     V   .         .         .
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(PEAK DAY 1, HOUR  10.667)
106.750    130.8158     72.03  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.750)
106.833    131.3165     72.70  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    131.8219     73.39  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    132.3321     74.09  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    132.8474     74.81  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167    133.3677     75.55  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250    133.8932     76.31  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333    134.4241     77.09  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417    134.9606     77.90  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500    135.5027     78.71  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583    136.0507     79.56  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667    136.6046     80.43  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750    137.1647     81.33  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833    137.7311     82.24  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917    138.3041     83.20  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000    138.8838     84.17  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083    139.4731     85.56  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167    140.0790     87.98  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250    140.7138     92.17  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333    141.3842     97.34  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417    142.0964    103.42  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500    142.8440    108.54  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583    143.6175    112.31  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667    144.4101    115.08  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750    145.2184    117.37  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833    146.0400    119.30  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917    146.8734    121.02  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000    147.7185    122.71  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083    148.5758    124.48  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167    149.4454    126.26  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250    150.3275    128.09  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333    151.2224    129.93  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417    152.1305    131.86  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500    153.0522    133.83  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583    153.9883    135.93  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.583)
109.667    154.9393    138.08  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.667)
109.750    155.9060    140.37  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.750)
109.833    156.8890    142.73  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.833)
109.917    157.8894    145.25  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  13.917)
110.000    158.9077    147.86  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  14.000)
110.083    159.9461    150.77  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  14.083)
110.167    161.0074    154.10  .  Q      .       V.          .         .
(PEAK DAY 1, HOUR  14.167)
110.250    162.0967    158.17  .  Q      .        V          .         .
(PEAK DAY 1, HOUR  14.250)
110.333    163.2173    162.70  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.333)
110.417    164.3738    167.94  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.417)
110.500    165.5685    173.47  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.500)
110.583    166.8051    179.55  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.583)
110.667    168.0883    186.32  .   Q     .        V          .         .
(PEAK DAY 1, HOUR  14.667)
110.750    169.4257    194.19  .   Q     .        .V         .         .
(PEAK DAY 1, HOUR  14.750)
110.833    170.8223    202.78  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  14.833)
110.917    172.2852    212.42  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  14.917)
111.000    173.8201    222.86  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  15.000)
111.083    175.4357    234.58  .    Q    .        .V         .         .
(PEAK DAY 1, HOUR  15.083)
111.167    177.1388    247.30  .     Q   .        .V         .         .
(PEAK DAY 1, HOUR  15.167)
111.250    178.9411    261.69  .     Q   .        . V        .         .
(PEAK DAY 1, HOUR  15.250)
111.333    180.8522    277.50  .     Q   .        . V        .         .
(PEAK DAY 1, HOUR  15.333)
111.417    182.8791    294.30  .      Q  .        . V        .         .
(PEAK DAY 1, HOUR  15.417)
111.500    185.0097    309.37  .      Q  .        . V        .         .
(PEAK DAY 1, HOUR  15.500)
111.583    187.2243    321.55  .       Q .        .  V       .         .
(PEAK DAY 1, HOUR  15.583)
111.667    189.5230    333.78  .       Q .        .  V       .         .
(PEAK DAY 1, HOUR  15.667)
111.750    191.9303    349.53  .       Q .        .  V       .         .
(PEAK DAY 1, HOUR  15.750)
111.833    194.5298    377.44  .        Q.        .   V      .         .
(PEAK DAY 1, HOUR  15.833)
111.917    197.4737    427.47  .         Q        .   V      .         .
(PEAK DAY 1, HOUR  15.917)
112.000    200.9750    508.38  .         . Q      .   V      .         .
(PEAK DAY 1, HOUR  16.000)
112.083    205.6728    682.13  .         .     Q  .    V     .         .
(PEAK DAY 1, HOUR  16.083)
112.167    212.3362    967.53  .         .        .   Q V    .         .
(PEAK DAY 1, HOUR  16.167)
112.250    221.4721   1326.53  .         .        .      V . Q       .
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 (PEAK DAY 1, HOUR  16.250)
112.333    231.8962   1513.58  .         .         .       V .      Q  .
 (PEAK DAY 1, HOUR  16.333)
112.417    242.8206   1586.22  .         .         .         V        Q.
 (PEAK DAY 1, HOUR  16.417)
112.500    251.9846   1330.62  .         .         .         .V Q      .
 (PEAK DAY 1, HOUR  16.500)
112.583    258.8450    996.13  .         .         .   Q     . V       .
 (PEAK DAY 1, HOUR  16.583)
112.667    263.9171    736.46  .         .       Q .         . V       .
 (PEAK DAY 1, HOUR  16.667)
112.750    267.8633    572.98  .         .   Q     .         .  V      .
 (PEAK DAY 1, HOUR  16.750)
112.833    270.9846    453.22  .         .Q        .         .  V      .
 (PEAK DAY 1, HOUR  16.833)
112.917    273.4837    362.87  .        Q.         .         .  V      .
 (PEAK DAY 1, HOUR  16.917)
113.000    275.6631    316.44  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  17.000)
113.083    277.6262    285.04  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  17.083)
113.167    279.3894    256.02  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  17.167)
113.250    280.9456    225.96  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  17.250)
113.333    282.3374    202.09  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  17.333)
113.417    283.6112    184.96  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.417)
113.500    284.8014    172.81  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.500)
113.583    285.9275    163.52  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  17.583)
113.667    287.0038    156.28  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.667)
113.750    288.0374    150.07  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.750)
113.833    289.0344    144.76  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.833)
113.917    289.9984    139.98  .  Q      .         .         .    V    .
 (PEAK DAY 1, HOUR  17.917)
114.000    290.9330    135.70  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.000)
114.083    291.8382    131.44  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.083)
114.167    292.7084    126.36  .  Q      .         .         .     V   .
 (PEAK DAY 1, HOUR  18.167)
114.250    293.5348    119.99  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.250)
114.333    294.3125    112.92  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.333)
114.417    295.0361    105.07  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.417)
114.500    295.7149     98.56  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.500)
114.583    296.3602     93.70  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.583)
114.667    296.9800     89.99  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.667)
114.750    297.5778     86.80  . Q       .         .         .     V   .
 (PEAK DAY 1, HOUR  18.750)
114.833    298.1563     84.01  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  18.833)
114.917    298.7205     81.92  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  18.917)
115.000    299.2716     80.01  . Q       .         .         .      V  .
 (PEAK DAY 1, HOUR  19.000)
115.083    299.8099     78.17  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.083)
115.167    300.3355     76.31  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.167)
115.250    300.8476     74.35  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.250)
115.333    301.3492     72.83  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.333)
115.417    301.8414     71.47  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.417)
115.500    302.3248     70.19  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.500)
115.583    302.7998     68.97  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.583)
115.667    303.2668     67.81  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.667)
115.750    303.7261     66.70  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.750)
115.833    304.1781     65.64  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.833)
115.917    304.6231     64.62  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  19.917)
116.000    305.0614     63.64  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.000)
116.083    305.4932     62.70  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.083)
116.167    305.9187     61.79  .Q        .         .         .      V  .
 (PEAK DAY 1, HOUR  20.167)
116.250    306.3383     60.92  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.250)
116.333    306.7520     60.08  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.333)
116.417    307.1602     59.26  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.417)
116.500    307.5629     58.48  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.500)
116.583    307.9604     57.71  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.583)
116.667    308.3527     56.97  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.667)
116.750    308.7400     56.24  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.750)
116.833    309.1223     55.51  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.833)
116.917    309.4995     54.76  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  20.917)
117.000    309.8710     53.95  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.000)
117.083    310.2382     53.31  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.083)
117.167    310.6010     52.69  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.167)
117.250    310.9598     52.10  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.250)
117.333    311.3147     51.52  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.333)
117.417    311.6657     50.97  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.417)
117.500    312.0130     50.43  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.500)
117.583    312.3567     49.90  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.583)
117.667    312.6969     49.39  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.667)
117.750    313.0336     48.90  .Q        .         .         .       V .
 (PEAK DAY 1, HOUR  21.750)
117.833    313.3671     48.41  .Q        .         .         .       V .
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(PEAK DAY 1, HOUR 21.833)
117.917 313.6973 47.94 .Q . . . V .
(PEAK DAY 1, HOUR 21.917)
118.000 314.0243 47.49 .Q . . . V .
(PEAK DAY 1, HOUR 22.000)
118.083 314.3483 47.04 .Q . . . V.
(PEAK DAY 1, HOUR 22.083)
118.167 314.6692 46.60 .Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 314.9872 46.18 .Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 315.3024 45.76 .Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 315.6148 45.36 .Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 315.9244 44.96 .Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 316.2314 44.57 .Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 316.5357 44.19 .Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 316.8376 43.82 .Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 317.1369 43.46 .Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 317.4337 43.10 .Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 317.7282 42.76 .Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 318.0204 42.42 .Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 318.3102 42.09 .Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 318.5978 41.76 .Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 318.8832 41.44 .Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 319.1664 41.13 .Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 319.4476 40.82 .Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 319.7266 40.52 .Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 320.0037 40.22 .Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 320.2787 39.94 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 320.5518 39.65 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 320.8229 39.37 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 321.0922 39.10 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 321.3556 38.25 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 321.6022 35.81 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 321.8137 30.70 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 321.9799 24.13 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 322.0921 16.30 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 322.1615 10.07 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 322.2036 6.12 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 322.2299 3.82 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 322.2465 2.40 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 322.2575 1.60 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 322.2662 1.26 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 322.2732 1.01 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 322.2785 0.78 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 322.2825 0.58 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 322.2857 0.46 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 322.2884 0.39 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 322.2908 0.35 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 322.2931 0.33 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 322.2951 0.30 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 322.2971 0.28 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 322.2988 0.26 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 322.3005 0.24 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 322.3020 0.22 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 322.3033 0.20 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 322.3046 0.18 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 322.3058 0.17 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 322.3068 0.15 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 322.3077 0.14 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 322.3086 0.12 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 322.3094 0.11 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 322.3100 0.10 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 322.3106 0.09 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 322.3111 0.08 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 322.3116 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 322.3120 0.06 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 322.3124 0.05 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 322.3127 0.05 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 322.3130 0.04 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 322.3133 0.04 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 322.3135 0.04 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 322.3138 0.03 Q . . . V.

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 (PEAK DAY 1, HOUR  27.417)
 123.500    322.3140      0.03  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583    322.3142      0.03  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667    322.3144      0.03  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750    322.3145      0.03  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833    322.3147      0.02  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
 123.917    322.3148      0.02  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.917)
 124.000    322.3150      0.02  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  28.000)
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6039.2 Ac. ***
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6039.2 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      850.0    1700.0    2550.0    3400.0
--------------------------------------------------------------------------------
  96.000    680.5054     77.86  Q         V         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    681.0406     77.71  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    681.5831     78.77  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    682.1497     82.27  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    682.7601     88.63  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    683.4410     98.88  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    684.2018    110.46  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    685.0416    121.93  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    685.9674    134.43  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    687.0102    151.41  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    688.2061    173.65  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    689.5552    195.88  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    691.0252    213.44  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    692.5840    226.34  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    694.2106    236.18  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    695.8914    244.05  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    697.6174    250.62  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    699.3824    256.28  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    701.1816    261.24  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    703.0110    265.63  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    704.8675    269.56  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    706.7487    273.16  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    708.6525    276.43  .  Q      V         .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    710.5768    279.41  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    712.5197    282.11  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    714.4794    284.54  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    716.4542    286.75  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    718.4432    288.81  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    720.4453    290.70  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    722.4587    292.35  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    724.4821    293.79  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    726.5145    295.12  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    728.5559    296.41  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    730.6061    297.69  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    732.6652    298.97  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    734.7330    300.26  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    736.8098    301.54  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    738.8954    302.83  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    740.9900    304.14  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    743.0936    305.45  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    745.2064    306.77  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    747.3283    308.11  .  Q      .V        .         .         .
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(PEAK DAY 1, HOUR 3.417)
99.500 749.4596 309.46 . Q .V . . .
(PEAK DAY 1, HOUR 3.500)
99.583 751.6003 310.82 . Q .V . . .
(PEAK DAY 1, HOUR 3.583)
99.667 753.7504 312.20 . Q .V . . .
(PEAK DAY 1, HOUR 3.667)
99.750 755.9102 313.59 . Q .V . . .
(PEAK DAY 1, HOUR 3.750)
99.833 758.0795 314.99 . Q .V . . .
(PEAK DAY 1, HOUR 3.833)
99.917 760.2586 316.40 . Q .V . . .
(PEAK DAY 1, HOUR 3.917)
100.000 762.4475 317.83 . Q .V . . .
(PEAK DAY 1, HOUR 4.000)
100.083 764.6463 319.26 . Q .V . . .
(PEAK DAY 1, HOUR 4.083)
100.167 766.8550 320.70 . Q .V . . .
(PEAK DAY 1, HOUR 4.167)
100.250 769.0733 322.10 . Q .V . . .
(PEAK DAY 1, HOUR 4.250)
100.333 771.3011 323.48 . Q .V . . .
(PEAK DAY 1, HOUR 4.333)
100.417 773.5384 324.84 . Q .V . . .
(PEAK DAY 1, HOUR 4.417)
100.500 775.7850 326.21 . Q . V . . .
(PEAK DAY 1, HOUR 4.500)
100.583 778.0411 327.58 . Q . V . . .
(PEAK DAY 1, HOUR 4.583)
100.667 780.3067 328.97 . Q . V . . .
(PEAK DAY 1, HOUR 4.667)
100.750 782.5820 330.38 . Q . V . . .
(PEAK DAY 1, HOUR 4.750)
100.833 784.8671 331.80 . Q . V . . .
(PEAK DAY 1, HOUR 4.833)
100.917 787.1621 333.23 . Q . V . . .
(PEAK DAY 1, HOUR 4.917)
101.000 789.4671 334.68 . Q . V . . .
(PEAK DAY 1, HOUR 5.000)
101.083 791.7822 336.15 . Q . V . . .
(PEAK DAY 1, HOUR 5.083)
101.167 794.1075 337.64 . Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 796.4432 339.14 . Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 798.7894 340.66 . Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 801.1461 342.20 . Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 803.5135 343.75 . Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 805.8918 345.32 . Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 808.2810 346.92 . Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 810.6813 348.53 . Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 813.0929 350.16 . Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 815.5159 351.81 . Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 817.9503 353.48 . Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 820.3964 355.18 . Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 822.8544 356.89 . Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 825.3243 358.63 . Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 827.8063 360.38 . Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 830.3005 362.17 . Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 832.8072 363.97 . Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 835.3265 365.80 . Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 837.8585 367.65 . Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 840.4034 369.52 . Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 842.9614 371.42 . Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 845.5320 373.26 . Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 848.1136 374.85 . Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 850.7040 376.11 . Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 853.3018 377.20 . Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 855.9072 378.30 . Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 858.5209 379.51 . Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 861.1437 380.84 . Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 863.7766 382.28 . Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 866.4200 383.84 . Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 869.0749 385.49 . Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 871.7418 387.23 . Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 874.4212 389.05 . Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 877.1137 390.95 . Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 879.8197 392.91 . Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 882.5397 394.95 . Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 885.2742 397.04 . Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 888.0234 399.19 . Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 890.7878 401.39 . Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 893.5678 403.65 . Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 896.3636 405.96 . Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 899.1758 408.32 . Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 902.0045 410.72 . Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 904.8501 413.18 . Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 907.7130 415.69 . Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 910.5934 418.24 . Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 913.4918 420.84 . Q . V . . .

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 (PEAK DAY 1, HOUR   9.000)
105.083    916.4084    423.50  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR   9.083)
105.167    919.3436    426.19  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.167)
105.250    922.2973    428.88  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.250)
105.333    925.2682    431.37  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
105.417    928.2540    433.54  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500    931.2533    435.49  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583    934.2657    437.41  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667    937.2917    439.37  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    940.3318    441.42  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    943.3867    443.56  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    946.4568    445.80  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    949.5430    448.12  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    952.6459    450.54  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    955.7661    453.04  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    958.9042    455.65  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    962.0608    458.34  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    965.2366    461.13  .    Q    .   V     .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    968.4323    464.01  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    971.6484    466.98  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    974.8856    470.04  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    978.1445    473.20  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    981.4258    476.45  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    984.7303    479.80  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    988.0582    483.22  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    991.4092    486.57  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    994.7814    489.64  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    998.1736    492.54  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333   1001.5854    495.41  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417   1005.0176    498.35  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500   1008.4705    501.37  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583   1011.9451    504.52  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667   1015.4421    507.77  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750   1018.9625    511.15  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833   1022.5068    514.64  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917   1026.0762    518.27  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000   1029.6714    522.02  .     Q   .    V    .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083   1033.2960    526.29  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167   1036.9579    531.70  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250   1040.6724    539.34  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333   1044.4548    549.21  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417   1048.3217    561.46  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500   1052.2679    572.99  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583   1056.2778    582.23  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667   1060.3385    589.62  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750   1064.4449    596.26  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833   1068.5955    602.66  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917   1072.7903    609.08  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000   1077.0308    615.72  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083   1081.3188    622.63  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167   1085.6559    629.74  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250   1090.0432    637.04  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333   1094.4819    644.51  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417   1098.9738    652.21  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500   1103.5201    660.13  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583   1108.1232    668.35  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667   1112.7845    676.83  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750   1117.5062    685.59  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833   1122.2880    694.31  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917   1127.1287    702.86  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000   1132.0276    711.32  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083   1136.9874    720.16  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167   1142.0127    729.67  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250   1147.1110    740.27  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333   1152.2888    751.83  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417   1157.5557    764.74  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500   1162.9176    778.55  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583   1168.3826    793.51  .        Q.       V .         .         .
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 (PEAK DAY 1, HOUR  14.583)
110.667   1173.9597    809.81  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750   1179.6619    827.96  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833   1185.5007    847.80  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917   1191.4915    869.85  .         Q       V .         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1197.6482    893.97  .         Q       V .         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1203.9869    920.39  .         Q       V .         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1210.5164    948.08  .         .Q      V .         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1217.2485    977.51  .         .Q      V .         .         .
 (PEAK DAY 1, HOUR  15.250)
111.333   1224.1979   1009.04  .         .Q      V .         .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1231.3809   1042.98  .         . Q      V.         .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1238.7980   1076.97  .         . Q      V.         .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1246.4358   1109.01  .         .  Q     V.         .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1254.2833   1139.47  .         .  Q     V.         .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1262.3488   1171.09  .         .  Q     V.         .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1270.7300   1216.95  .         .   Q    V.         .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1279.6332   1292.74  .         .    Q   V.         .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1289.3462   1410.33  .         .     Q  V.         .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1300.6155   1636.30  .         .        QV         .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1314.3947   2000.73  .         .         V  Q      .         .
 (PEAK DAY 1, HOUR  16.167)
112.250   1331.7782   2524.09  .         .         V        Q.         .
 (PEAK DAY 1, HOUR  16.250)
112.333   1352.4279   2998.33  .         .         V         .    Q    .
 (PEAK DAY 1, HOUR  16.333)
112.417   1375.5278   3354.12  .         .         .V        .        Q.
 (PEAK DAY 1, HOUR  16.417)
112.500   1397.2065   3147.74  .         .         .V        .      Q  .
 (PEAK DAY 1, HOUR  16.500)
112.583   1415.4064   2642.61  .         .         .V       .Q         .
 (PEAK DAY 1, HOUR  16.583)
112.667   1430.5173   2194.11  .         .         . V  Q    .         .
 (PEAK DAY 1, HOUR  16.667)
112.750   1443.6626   1908.70  .         .         . Q       .         .
 (PEAK DAY 1, HOUR  16.750)
112.833   1455.4584   1712.76  .         .         Q V       .         .
 (PEAK DAY 1, HOUR  16.833)
112.917   1466.2455   1566.28  .         .       Q . V       .         .
 (PEAK DAY 1, HOUR  16.917)
113.000   1476.3983   1474.20  .         .      Q  . V       .         .
 (PEAK DAY 1, HOUR  17.000)
113.083   1486.0757   1405.16  .         .     Q   .  V      .         .
 (PEAK DAY 1, HOUR  17.083)
113.167   1495.3348   1344.42  .         .    Q    .  V      .         .
 (PEAK DAY 1, HOUR  17.167)
113.250   1504.2045   1287.87  .         .    Q    .  V      .         .
 (PEAK DAY 1, HOUR  17.250)
113.333   1512.7566   1241.77  .         .   Q     .  V      .         .
 (PEAK DAY 1, HOUR  17.333)
113.417   1521.0710   1207.26  .         .   Q     .  V      .         .
 (PEAK DAY 1, HOUR  17.417)
113.500   1529.2080   1181.49  .         .  Q      .  V      .         .
 (PEAK DAY 1, HOUR  17.500)
113.583   1537.2155   1162.67  .         .  Q      .  V      .         .
 (PEAK DAY 1, HOUR  17.583)
113.667   1545.1206   1147.83  .         .  Q      .  V      .         .
 (PEAK DAY 1, HOUR  17.667)
113.750   1552.9386   1135.17  .         .  Q      .   V     .         .
 (PEAK DAY 1, HOUR  17.750)
113.833   1560.6759   1123.46  .         .  Q      .   V     .         .
 (PEAK DAY 1, HOUR  17.833)
113.917   1568.3405   1112.90  .         .  Q      .   V     .         .
 (PEAK DAY 1, HOUR  17.917)
114.000   1575.9327   1102.40  .         . Q       .   V     .         .
 (PEAK DAY 1, HOUR  18.000)
114.083   1583.4550   1092.23  .         . Q       .   V     .         .
 (PEAK DAY 1, HOUR  18.083)
114.167   1590.9062   1081.93  .         . Q       .   V     .         .
 (PEAK DAY 1, HOUR  18.167)
114.250   1598.2675   1068.84  .         . Q       .   V     .         .
 (PEAK DAY 1, HOUR  18.250)
114.333   1605.5299   1054.51  .         . Q       .   V     .         .
 (PEAK DAY 1, HOUR  18.333)
114.417   1612.6848   1038.89  .         . Q       .    V    .         .
 (PEAK DAY 1, HOUR  18.417)
114.500   1619.7362   1023.86  .         . Q       .    V    .         .
 (PEAK DAY 1, HOUR  18.500)
114.583   1626.6899   1009.68  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  18.583)
114.667   1633.5651    998.27  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  18.667)
114.750   1640.3789    989.37  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  18.750)
114.833   1647.1409    981.84  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  18.833)
114.917   1653.8503    974.22  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  18.917)
115.000   1660.5109    967.11  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  19.000)
115.083   1667.1331    961.55  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  19.083)
115.167   1673.7219    956.70  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  19.167)
115.250   1680.2791    952.10  .         .Q        .     V   .         .
 (PEAK DAY 1, HOUR  19.250)
115.333   1686.8088    948.12  .         .Q        .     V   .         .
 (PEAK DAY 1, HOUR  19.333)
115.417   1693.3132    944.43  .         .Q        .     V   .         .
 (PEAK DAY 1, HOUR  19.417)
115.500   1699.7933    940.91  .         .Q        .     V   .         .
 (PEAK DAY 1, HOUR  19.500)
115.583   1706.2499    937.48  .         .Q        .     V   .         .
 (PEAK DAY 1, HOUR  19.583)
115.667   1712.6831    934.10  .         Q         .     V   .         .
 (PEAK DAY 1, HOUR  19.667)
115.750   1719.0930    930.72  .         Q         .     V   .         .
 (PEAK DAY 1, HOUR  19.750)
115.833   1725.4772    926.99  .         Q         .     V   .         .
 (PEAK DAY 1, HOUR  19.833)
115.917   1731.8347    923.12  .         Q         .     V   .         .
 (PEAK DAY 1, HOUR  19.917)
116.000   1738.1683    919.65  .         Q         .     V   .         .
 (PEAK DAY 1, HOUR  20.000)
116.083   1744.4807    916.55  .         Q         .      V  .         .
 (PEAK DAY 1, HOUR  20.083)
116.167   1750.7729    913.63  .         Q         .      V  .         .
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 (PEAK DAY 1, HOUR  20.167)
116.250   1757.0452    910.73  .         Q         .      V  .         .
 (PEAK DAY 1, HOUR  20.250)
116.333   1763.2971    907.79  .         Q         .      V  .         .
 (PEAK DAY 1, HOUR  20.333)
116.417   1769.5244    904.20  .         Q         .      V  .         .
 (PEAK DAY 1, HOUR  20.417)
116.500   1775.7301    901.06  .         Q         .      V  .         .
 (PEAK DAY 1, HOUR  20.500)
116.583   1781.9171    898.36  .         Q         .      V  .         .
 (PEAK DAY 1, HOUR  20.583)
116.667   1788.0870    895.87  .         Q         .      V  .         .
 (PEAK DAY 1, HOUR  20.667)
116.750   1794.2405    893.48  .         Q         .      V  .         .
 (PEAK DAY 1, HOUR  20.750)
116.833   1800.3778    891.14  .         Q         .      V  .         .
 (PEAK DAY 1, HOUR  20.833)
116.917   1806.4991    888.82  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  20.917)
117.000   1812.6044    886.48  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  21.000)
117.083   1818.6948    884.33  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  21.083)
117.167   1824.7708    882.23  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  21.167)
117.250   1830.8325    880.16  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  21.250)
117.333   1836.8802    878.13  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  21.333)
117.417   1842.9142    876.13  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  21.417)
117.500   1848.9346    874.16  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  21.500)
117.583   1854.9415    872.21  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  21.583)
117.667   1860.9354    870.31  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  21.667)
117.750   1866.9165    868.45  .         Q         .       V .         .
 (PEAK DAY 1, HOUR  21.750)
117.833   1872.8850    866.63  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  21.833)
117.917   1878.8413    864.86  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  21.917)
118.000   1884.7855    863.11  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  22.000)
118.083   1890.7179    861.38  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  22.083)
118.167   1896.6385    859.67  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  22.167)
118.250   1902.5475    857.98  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  22.250)
118.333   1908.4449    856.31  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  22.333)
118.417   1914.3311    854.66  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  22.417)
118.500   1920.2059    853.03  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  22.500)
118.583   1926.0697    851.42  .         Q         .        V.         .
 (PEAK DAY 1, HOUR  22.583)
118.667   1931.9224    849.82  .        Q.         .        V.         .
 (PEAK DAY 1, HOUR  22.667)
118.750   1937.7642    848.23  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  22.750)
118.833   1943.5951    846.66  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  22.833)
118.917   1949.4153    845.10  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  22.917)
119.000   1955.2249    843.55  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  23.000)
119.083   1961.0239    842.02  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  23.083)
119.167   1966.8125    840.50  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  23.167)
119.250   1972.5906    838.99  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  23.250)
119.333   1978.3584    837.49  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  23.333)
119.417   1984.1160    836.00  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  23.417)
119.500   1989.8633    834.52  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  23.500)
119.583   1995.6006    833.05  .        Q.         .         V         .
 (PEAK DAY 1, HOUR  23.583)
119.667   2001.3279    831.60  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  23.667)
119.750   2007.0454    830.18  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  23.750)
119.833   2012.7533    828.79  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  23.833)
119.917   2018.4518    827.42  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  23.917)
120.000   2024.1409    826.06  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  24.000)
120.083   2029.8168    824.14  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  24.083)
120.167   2035.4685    820.63  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  24.167)
120.250   2041.0739    813.89  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  24.250)
120.333   2046.6102    803.89  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  24.333)
120.417   2052.0535    790.35  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  24.417)
120.500   2057.4106    777.85  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  24.500)
120.583   2062.7058    768.85  .        Q.         .        .V         .
 (PEAK DAY 1, HOUR  24.583)
120.667   2067.9595    762.83  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  24.667)
120.750   2073.1831    758.48  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  24.750)
120.833   2078.3840    755.17  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  24.833)
120.917   2083.5674    752.61  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  24.917)
121.000   2088.7349    750.34  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  25.000)
121.083   2093.8879    748.22  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  25.083)
121.167   2099.0273    746.25  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  25.167)
121.250   2104.1545    744.45  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  25.250)
121.333   2109.2695    742.69  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  25.333)
121.417   2114.3711    740.73  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  25.417)
121.500   2119.4570    738.50  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  25.500)
121.583   2124.5264    736.07  .      Q .          .        . V        .
 (PEAK DAY 1, HOUR  25.583)
121.667   2129.5786    733.58  .      Q .          .        .  V       .
 (PEAK DAY 1, HOUR  25.667)
121.750   2134.6135    731.07  .      Q .          .        .  V       .
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 (PEAK DAY 1, HOUR  25.750)
 121.833   2139.6313    728.57  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  25.833)
 121.917   2144.6318    726.08  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  25.917)
 122.000   2149.6155    723.62  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  26.000)
 122.083   2154.5823    721.17  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  26.083)
 122.167   2159.5322    718.73  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  26.167)
 122.250   2164.4656    716.32  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  26.250)
 122.333   2169.3826    713.94  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  26.333)
 122.417   2174.2832    711.57  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  26.417)
 122.500   2179.1675    709.21  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  26.500)
 122.583   2184.0359    706.88  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  26.583)
 122.667   2188.8884    704.58  .       Q .         .         .  V      .
 (PEAK DAY 1, HOUR  26.667)
 122.750   2193.7249    702.27  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  26.750)
 122.833   2198.5454    699.93  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  26.833)
 122.917   2203.3499    697.59  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  26.917)
 123.000   2208.1382    695.26  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  27.000)
 123.083   2212.9106    692.94  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  27.083)
 123.167   2217.6670    690.63  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  27.167)
 123.250   2222.4075    688.33  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  27.250)
 123.333   2227.1323    686.04  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  27.333)
 123.417   2231.8413    683.76  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  27.417)
 123.500   2236.5347    681.48  .       Q .         .         .   V     .
 (PEAK DAY 1, HOUR  27.500)
 123.583   2241.2124    679.21  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  27.583)
 123.667   2245.8745    676.94  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  27.667)
 123.750   2250.5212    674.69  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  27.750)
 123.833   2255.1523    672.44  .      Q  .         .         .   V     .
 (PEAK DAY 1, HOUR  27.833)
 123.917   2259.7681    670.21  .      Q  .         .         .    V    .
 (PEAK DAY 1, HOUR  27.917)
 124.000   2264.3684    667.98  .      Q  .         .         .    V    .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  END OF FLOODSCx ROUTING ANALYSIS



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  FLOW PROCESS FROM NODE   6355.00 TO NODE   6371.00 IS CODE = 5.2
----------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6039.2 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     314.00
           DOWNSTREAM ELEVATION(FT) =     220.00
           CHANNEL LENGTH(FT) =    5919.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  3354.12
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  2498.13
           CHANNEL NORMAL VELOCITY FOR Q =  2498.13 CFS =  12.51 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.880

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.822


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	77.86	78.81	78.81
1	0.083	96.083	77.71	78.22	78.22
1	0.167	96.167	78.77	77.85	77.85
1	0.250	96.250	82.27	78.27	78.27
1	0.333	96.333	88.63	80.44	80.44
1	0.417	96.417	98.88	85.14	85.14
1	0.500	96.500	110.46	93.16	93.16
1	0.583	96.583	121.93	103.69	103.69
1	0.667	96.667	134.43	115.03	115.03
1	0.750	96.750	151.41	126.99	126.99
1	0.833	96.833	173.65	141.65	141.65
1	0.917	96.917	195.88	160.86	160.86
1	1.000	97.000	213.44	182.56	182.56
1	1.083	97.083	226.34	202.35	202.35
1	1.167	97.167	236.18	217.96	217.96
1	1.250	97.250	244.05	229.80	229.80
1	1.333	97.333	250.62	239.00	239.00
1	1.417	97.417	256.28	246.46	246.46
1	1.500	97.500	261.24	252.73	252.73
1	1.583	97.583	265.63	258.15	258.15
1	1.667	97.667	269.56	262.90	262.90
1	1.750	97.750	273.16	267.12	267.12
1	1.833	97.833	276.43	270.94	270.94
1	1.917	97.917	279.41	274.41	274.41
1	2.000	98.000	282.11	277.57	277.57
1	2.083	98.083	284.54	280.44	280.44
1	2.167	98.167	286.75	283.04	283.04
1	2.250	98.250	288.81	285.38	285.38
1	2.333	98.333	290.70	287.54	287.54
1	2.417	98.417	292.35	289.53	289.53
1	2.500	98.500	293.79	291.32	291.32

1	2.583	98.583	295.12	292.89	292.89
1	2.667	98.667	296.41	294.30	294.30
1	2.750	98.750	297.69	295.62	295.62
1	2.833	98.833	298.97	296.91	296.91
1	2.917	98.917	300.26	298.20	298.20
1	3.000	99.000	301.54	299.48	299.48
1	3.083	99.083	302.83	300.77	300.77
1	3.167	99.167	304.14	302.05	302.05
1	3.250	99.250	305.45	303.35	303.35
1	3.333	99.333	306.77	304.66	304.66
1	3.417	99.417	308.11	305.97	305.97
1	3.500	99.500	309.46	307.30	307.30
1	3.583	99.583	310.82	308.65	308.65
1	3.667	99.667	312.20	310.00	310.00
1	3.750	99.750	313.59	311.37	311.37
1	3.833	99.833	314.99	312.75	312.75
1	3.917	99.917	316.40	314.15	314.15
1	4.000	100.000	317.83	315.55	315.55
1	4.083	100.083	319.26	316.97	316.97
1	4.167	100.167	320.70	318.40	318.40
1	4.250	100.250	322.10	319.83	319.83
1	4.333	100.333	323.48	321.25	321.25
1	4.417	100.417	324.84	322.64	322.64
1	4.500	100.500	326.21	324.02	324.02
1	4.583	100.583	327.58	325.38	325.38
1	4.667	100.667	328.97	326.75	326.75
1	4.750	100.750	330.38	328.14	328.14
1	4.833	100.833	331.80	329.53	329.53
1	4.917	100.917	333.23	330.94	330.94
1	5.000	101.000	334.68	332.37	332.37
1	5.083	101.083	336.15	333.81	333.81
1	5.167	101.167	337.64	335.27	335.27
1	5.250	101.250	339.14	336.74	336.74
1	5.333	101.333	340.66	338.23	338.23
1	5.417	101.417	342.20	339.74	339.74
1	5.500	101.500	343.75	341.27	341.27
1	5.583	101.583	345.32	342.81	342.81
1	5.667	101.667	346.92	344.37	344.37
1	5.750	101.750	348.53	345.96	345.96
1	5.833	101.833	350.16	347.56	347.56
1	5.917	101.917	351.81	349.18	349.18
1	6.000	102.000	353.48	350.82	350.82
1	6.083	102.083	355.18	352.48	352.48
1	6.167	102.167	356.89	354.16	354.16
1	6.250	102.250	358.63	355.86	355.86
1	6.333	102.333	360.38	357.58	357.58
1	6.417	102.417	362.17	359.32	359.32
1	6.500	102.500	363.97	361.09	361.09
1	6.583	102.583	365.80	362.88	362.88
1	6.667	102.667	367.65	364.70	364.70
1	6.750	102.750	369.52	366.53	366.53
1	6.833	102.833	371.42	368.39	368.39
1	6.917	102.917	373.26	370.28	370.28
1	7.000	103.000	374.85	372.14	372.14
1	7.083	103.083	376.11	373.86	373.86
1	7.167	103.167	377.20	375.31	375.31
1	7.250	103.250	378.30	376.51	376.51
1	7.333	103.333	379.51	377.63	377.63
1	7.417	103.417	380.84	378.79	378.79
1	7.500	103.500	382.28	380.05	380.05
1	7.583	103.583	383.84	381.43	381.43
1	7.667	103.667	385.49	382.91	382.91
1	7.750	103.750	387.23	384.50	384.50
1	7.833	103.833	389.05	386.19	386.19
1	7.917	103.917	390.95	387.96	387.96
1	8.000	104.000	392.91	389.81	389.81
1	8.083	104.083	394.95	391.74	391.74
1	8.167	104.167	397.04	393.73	393.73
1	8.250	104.250	399.19	395.78	395.78
1	8.333	104.333	401.39	397.90	397.90
1	8.417	104.417	403.65	400.07	400.07
1	8.500	104.500	405.96	402.29	402.29
1	8.583	104.583	408.32	404.57	404.57
1	8.667	104.667	410.72	406.90	406.90
1	8.750	104.750	413.18	409.28	409.28
1	8.833	104.833	415.69	411.70	411.70
1	8.917	104.917	418.24	414.18	414.18
1	9.000	105.000	420.84	416.70	416.70
1	9.083	105.083	423.50	419.28	419.28
1	9.167	105.167	426.19	421.90	421.90
1	9.250	105.250	428.88	424.57	424.57
1	9.333	105.333	431.37	427.26	427.26
1	9.417	105.417	433.54	429.85	429.85
1	9.500	105.500	435.49	432.19	432.19
1	9.583	105.583	437.41	434.28	434.28
1	9.667	105.667	439.37	436.24	436.24
1	9.750	105.750	441.42	438.19	438.19
1	9.833	105.833	443.56	440.19	440.19
1	9.917	105.917	445.80	442.28	442.28
1	10.000	106.000	448.12	444.46	444.46
1	10.083	106.083	450.54	446.72	446.72
1	10.167	106.167	453.04	449.09	449.09
1	10.250	106.250	455.65	451.54	451.54
1	10.333	106.333	458.34	454.09	454.09
1	10.417	106.417	461.13	456.73	456.73
1	10.500	106.500	464.01	459.46	459.46
1	10.583	106.583	466.98	462.28	462.28
1	10.667	106.667	470.04	465.20	465.20
1	10.750	106.750	473.20	468.20	468.20
1	10.833	106.833	476.45	471.30	471.30
1	10.917	106.917	479.80	474.50	474.50
1	11.000	107.000	483.22	477.79	477.79
1	11.083	107.083	486.57	481.16	481.16
1	11.167	107.167	489.64	484.54	484.54
1	11.250	107.250	492.54	487.75	487.75
1	11.333	107.333	495.41	490.77	490.77
1	11.417	107.417	498.35	493.67	493.67
1	11.500	107.500	501.37	496.58	496.58
1	11.583	107.583	504.52	499.55	499.55
1	11.667	107.667	507.77	502.63	502.63
1	11.750	107.750	511.15	505.82	505.82
1	11.833	107.833	514.64	509.12	509.12
1	11.917	107.917	518.27	512.54	512.54
1	12.000	108.000	522.02	516.10	516.10
1	12.083	108.083	526.29	519.77	519.77
1	12.167	108.167	531.70	523.77	523.77
1	12.250	108.250	539.34	528.56	528.56
1	12.333	108.333	549.21	534.98	534.98
1	12.417	108.417	561.46	543.53	543.53
1	12.500	108.500	572.99	554.36	554.36
1	12.583	108.583	582.23	566.00	566.00
1	12.667	108.667	589.62	576.39	576.39
1	12.750	108.750	596.26	584.91	584.91
1	12.833	108.833	602.66	592.12	592.12
1	12.917	108.917	609.08	598.74	598.74
1	13.000	109.000	615.72	605.19	605.19
1	13.083	109.083	622.63	611.73	611.73
1	13.167	109.167	629.74	618.49	618.49
1	13.250	109.250	637.04	625.47	625.47
1	13.333	109.333	644.51	632.65	632.65
1	13.417	109.417	652.21	640.02	640.02
1	13.500	109.500	660.13	647.58	647.58
1	13.583	109.583	668.35	655.37	655.37
1	13.667	109.667	676.83	663.42	663.42

1	13.750	109.750	685.59	671.74	671.74
1	13.833	109.833	694.31	680.33	680.33
1	13.917	109.917	702.86	689.04	689.04
1	14.000	110.000	711.32	697.68	697.68
1	14.083	110.083	720.16	706.19	706.19
1	14.167	110.167	729.67	714.86	714.86
1	14.250	110.250	740.27	724.00	724.00
1	14.333	110.333	751.83	733.99	733.99
1	14.417	110.417	764.74	744.97	744.97
1	14.500	110.500	778.55	757.10	757.10
1	14.583	110.583	793.51	770.33	770.33
1	14.667	110.667	809.81	784.61	784.61
1	14.750	110.750	827.96	800.13	800.13
1	14.833	110.833	847.80	817.22	817.22
1	14.917	110.917	869.85	836.03	836.03
1	15.000	111.000	893.97	856.80	856.80
1	15.083	111.083	920.39	879.66	879.66
1	15.167	111.167	948.08	904.71	904.71
1	15.250	111.250	977.51	931.53	931.53
1	15.333	111.333	1009.04	959.94	959.94
1	15.417	111.417	1042.98	990.25	990.25
1	15.500	111.500	1076.97	1022.77	1022.77
1	15.583	111.583	1109.01	1056.48	1056.48
1	15.667	111.667	1139.47	1089.44	1089.44
1	15.750	111.750	1171.09	1120.85	1120.85
1	15.833	111.833	1216.95	1152.06	1152.06
1	15.917	111.917	1292.74	1190.77	1190.77
1	16.000	112.000	1410.33	1250.41	1250.41
1	16.083	112.083	1636.30	1344.36	1344.36
1	16.167	112.167	2000.73	1512.25	1512.25
1	16.250	112.250	2524.09	1797.54	1797.54
1	16.333	112.333	2998.33	2227.83	2227.83
1	16.417	112.417	3354.12	2709.94	2709.94
1	16.500	112.500	3147.74	3126.01	3126.01
1	16.583	112.583	2642.61	3209.78	3209.78
1	16.667	112.667	2194.11	2904.72	2904.72
1	16.750	112.750	1908.70	2463.64	2463.64
1	16.833	112.833	1712.76	2098.47	2098.47
1	16.917	112.917	1566.28	1843.88	1843.88
1	17.000	113.000	1474.20	1662.40	1662.40
1	17.083	113.083	1405.16	1537.05	1537.05
1	17.167	113.167	1344.42	1450.65	1450.65
1	17.250	113.250	1287.87	1382.70	1382.70
1	17.333	113.333	1241.77	1322.78	1322.78
1	17.417	113.417	1207.26	1270.89	1270.89
1	17.500	113.500	1181.49	1229.59	1229.59
1	17.583	113.583	1162.67	1198.27	1198.27
1	17.667	113.667	1147.83	1175.01	1175.01
1	17.750	113.750	1135.17	1157.40	1157.40
1	17.833	113.833	1123.46	1143.16	1143.16
1	17.917	113.917	1112.90	1130.70	1130.70
1	18.000	114.000	1102.40	1119.44	1119.44
1	18.083	114.083	1092.23	1108.78	1108.78
1	18.167	114.167	1081.93	1098.42	1098.42
1	18.250	114.250	1068.84	1088.15	1088.15
1	18.333	114.333	1054.51	1076.45	1076.45
1	18.417	114.417	1038.89	1062.99	1062.99
1	18.500	114.500	1023.86	1048.16	1048.16
1	18.583	114.583	1009.68	1032.98	1032.98
1	18.667	114.667	998.27	1018.35	1018.35
1	18.750	114.750	989.37	1005.48	1005.48
1	18.833	114.833	981.84	995.08	995.08
1	18.917	114.917	974.22	986.60	986.60
1	19.000	115.000	967.11	978.85	978.85
1	19.083	115.083	961.55	971.47	971.47
1	19.167	115.167	956.70	965.09	965.09
1	19.250	115.250	952.10	959.74	959.74
1	19.333	115.333	948.12	954.93	954.93
1	19.417	115.417	944.43	950.60	950.60
1	19.500	115.500	940.91	946.71	946.71
1	19.583	115.583	937.48	943.06	943.06
1	19.667	115.667	934.10	939.57	939.57
1	19.750	115.750	930.72	936.15	936.15
1	19.833	115.833	926.99	932.76	932.76
1	19.917	115.917	923.12	929.20	929.20
1	20.000	116.000	919.65	925.43	925.43
1	20.083	116.083	916.55	921.78	921.78
1	20.167	116.167	913.63	918.47	918.47
1	20.250	116.250	910.73	915.42	915.42
1	20.333	116.333	907.79	912.49	912.49
1	20.417	116.417	904.20	909.56	909.56
1	20.500	116.500	901.06	906.30	906.30
1	20.583	116.583	898.36	902.99	902.99
1	20.667	116.667	895.87	900.04	900.04
1	20.750	116.750	893.48	897.41	897.41
1	20.833	116.833	891.14	894.94	894.94
1	20.917	116.917	888.82	892.57	892.57
1	21.000	117.000	886.48	890.23	890.23
1	21.083	117.083	884.33	887.89	887.89
1	21.167	117.167	882.23	885.65	885.65
1	21.250	117.250	880.16	883.51	883.51
1	21.333	117.333	878.13	881.41	881.41
1	21.417	117.417	876.13	879.36	879.36
1	21.500	117.500	874.16	877.34	877.34
1	21.583	117.583	872.21	875.35	875.35
1	21.667	117.667	870.31	873.39	873.39
1	21.750	117.750	868.45	871.46	871.46
1	21.833	117.833	866.63	869.58	869.58
1	21.917	117.917	864.86	867.73	867.73
1	22.000	118.000	863.11	865.93	865.93
1	22.083	118.083	861.38	864.17	864.17
1	22.167	118.167	859.67	862.43	862.43
1	22.250	118.250	857.98	860.71	860.71
1	22.333	118.333	856.31	859.01	859.01
1	22.417	118.417	854.66	857.32	857.32
1	22.500	118.500	853.03	855.66	855.66
1	22.583	118.583	851.42	854.02	854.02
1	22.667	118.667	849.82	852.39	852.39
1	22.750	118.750	848.23	850.78	850.78
1	22.833	118.833	846.66	849.19	849.19
1	22.917	118.917	845.10	847.61	847.61
1	23.000	119.000	843.55	846.04	846.04
1	23.083	119.083	842.02	844.49	844.49
1	23.167	119.167	840.50	842.95	842.95
1	23.250	119.250	838.99	841.42	841.42
1	23.333	119.333	837.49	839.90	839.90
1	23.417	119.417	836.00	838.39	838.39
1	23.500	119.500	834.52	836.90	836.90
1	23.583	119.583	833.05	835.41	835.41
1	23.667	119.667	831.60	833.94	833.94
1	23.750	119.750	830.18	832.48	832.48
1	23.833	119.833	828.79	831.04	831.04
1	23.917	119.917	827.42	829.63	829.63
1	24.000	120.000	826.06	828.25	828.25
1	24.083	120.083	824.14	826.89	826.89
1	24.167	120.167	820.63	825.24	825.24
1	24.250	120.250	813.89	822.57	822.57
1	24.333	120.333	803.89	817.58	817.58
1	24.417	120.417	790.35	809.51	809.51
1	24.500	120.500	777.85	798.08	798.08
1	24.583	120.583	768.85	785.44	785.44
1	24.667	120.667	762.83	774.67	774.67
1	24.750	120.750	758.48	766.86	766.86
1	24.833	120.833	755.17	761.36	761.36

1	24.917	120.917	752.61	757.33	757.33
1	25.000	121.000	750.34	754.26	754.26
1	25.083	121.083	748.22	751.76	751.76
1	25.167	121.167	746.25	749.52	749.52
1	25.250	121.250	744.45	747.46	747.46
1	25.333	121.333	742.69	745.56	745.56
1	25.417	121.417	740.73	743.76	743.76
1	25.500	121.500	738.50	741.90	741.90
1	25.583	121.583	736.07	739.82	739.82
1	25.667	121.667	733.58	737.51	737.51
1	25.750	121.750	731.07	735.08	735.08
1	25.833	121.833	728.57	732.58	732.58
1	25.917	121.917	726.08	730.08	730.08
1	26.000	122.000	723.62	727.59	727.59
1	26.083	122.083	721.17	725.11	725.11
1	26.167	122.167	718.73	722.65	722.65
1	26.250	122.250	716.32	720.21	720.21
1	26.333	122.333	713.94	717.78	717.78
1	26.417	122.417	711.57	715.38	715.38
1	26.500	122.500	709.21	713.00	713.00
1	26.583	122.583	706.88	710.64	710.64
1	26.667	122.667	704.58	708.29	708.29
1	26.750	122.750	702.27	705.98	705.98
1	26.833	122.833	699.93	703.66	703.66
1	26.917	122.917	697.59	701.34	701.34
1	27.000	123.000	695.26	699.00	699.00
1	27.083	123.083	692.94	696.67	696.67
1	27.167	123.167	690.63	694.35	694.35
1	27.250	123.250	688.33	692.03	692.03
1	27.333	123.333	686.04	689.73	689.73
1	27.417	123.417	683.76	687.43	687.43
1	27.500	123.500	681.48	685.14	685.14
1	27.583	123.583	679.21	682.86	682.86
1	27.667	123.667	676.94	680.58	680.58
1	27.750	123.750	674.69	678.31	678.31
1	27.833	123.833	672.44	676.05	676.05
1	27.917	123.917	670.21	673.80	673.80
1	28.000	124.000	667.98	671.56	671.56

Note: Computed Hydrograph continues past two days after the peak day of the design storm.

PROCESS SUMMARY OF STORAGE:
INFLOW VOLUME = 2579.017 AF
OUTFLOW VOLUME = 2579.013 AF
LOSS VOLUME = 0.000 AF

END OF FLOODSCx ROUTING ANALYSIS

FLOW PROCESS FROM NODE 6360.00 TO NODE 6371.00 IS CODE = 1

*** Note: This link/process output is based on its ***
*** tributary area being adjusted, for depth-area ***
*** effects, using a specified area of 922.3 Ac. ***
>>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<

(UNIT-HYDROGRAPH ADDED TO STREAM #2)

WATERSHED AREA = 922.300 ACRES
BASEFLOW = 0.000 CFS/SQUARE-MILE
*USER ENTERED "LAG" TIME = 0.250 HOURS
CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.

THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM) MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
VALLEY(DEVELOPED):
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.900
FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.050
VALLEY(UNDEVELOPED)/DESERT:
"S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) = 0.000
BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:

RAINFALL DEPTHS & LOSS RATES	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
5-MINUTE (INCHES)	0.58	0.27	0.12	0.06	0.04
30-MINUTE (INCHES)	1.22	0.56	0.24	0.13	0.09
1-HOUR (INCHES)	1.62	0.75	0.33	0.17	0.12
3-HOUR (INCHES)	2.71	1.25	0.54	0.28	0.21
6-HOUR (INCHES)	3.75	1.73	0.75	0.39	0.29
24-HOUR (INCHES)	6.28	2.89	1.26	0.66	0.48
LOSS RATE(IN/HR)	0.120	0.120	0.120	0.120	0.120
LOW LOSS FRACTION	0.510	0.760	0.950	0.990	0.990

5-MINUTE FACTOR = 0.959
30-MINUTE FACTOR = 0.959
1-HOUR FACTOR = 0.959
3-HOUR FACTOR = 0.994
6-HOUR FACTOR = 0.997
24-HOUR FACTOR = 0.998

UNIT HYDROGRAPH TIME UNIT = 5.000 MINUTES
UNIT INTERVAL PERCENTAGE OF LAG-TIME = 33.333

RUNOFF HYDROGRAPH LISTING LIMITS:
MODEL TIME(HOURS) FOR BEGINNING OF RESULTS = 96.00
MODEL TIME(HOURS) FOR END OF RESULTS = 124.00

UNIT HYDROGRAPH DETERMINATION

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	2.292	255.704
2	13.821	1285.900
3	35.522	2420.567
4	62.164	2971.648
5	80.648	2061.668
6	89.997	1042.866
7	94.646	518.513
8	96.625	220.790
9	97.489	96.296
10	98.211	80.598
11	98.708	55.360
12	99.005	33.223
13	99.174	18.845
14	99.253	8.821
15	99.326	8.100
16	99.394	7.535
17	99.458	7.164
18	99.518	6.727
19	99.574	6.257
20	99.626	5.759

21	99.675	5.514
22	99.718	4.708
23	99.759	4.643
24	99.799	4.443
25	99.827	3.130
26	99.851	2.675
27	99.875	2.675
28	99.897	2.469
29	99.906	1.014
30	99.913	0.730
31	99.919	0.731
32	99.926	0.729
33	99.932	0.731
34	99.939	0.729
35	99.946	0.730
36	99.952	0.729
37	99.959	0.729
38	99.965	0.729
39	99.972	0.730
40	99.978	0.729
41	99.985	0.729
42	99.991	0.729
43	99.998	0.729
44	100.000	0.237

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 433.5397
TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 453.8287

5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	650.0	1300.0	1950.0	2600.0
96.000	126.4908	10.29	Q	.V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	126.5666	11.01	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	126.6693	14.91	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	126.8231	22.33	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	127.0401	31.50	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	127.3012	37.92	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	127.5853	41.24	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	127.8812	42.97	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	128.1828	43.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	128.4874	44.23	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	128.7947	44.62	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	129.1042	44.94	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	129.4155	45.20	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	129.7283	45.41	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	130.0422	45.59	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	130.3575	45.77	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	130.6740	45.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	130.9917	46.14	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	131.3107	46.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	131.6310	46.50	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	131.9525	46.68	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	132.2753	46.87	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	132.5993	47.05	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	132.9246	47.23	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	133.2512	47.42	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	133.5791	47.60	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	133.9082	47.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	134.2386	47.97	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	134.5703	48.16	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	134.9032	48.34	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	135.2374	48.53	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	135.5729	48.71	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	135.9097	48.90	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	136.2478	49.09	Q	. V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	136.5872	49.28	Q	. V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	136.9279	49.48	Q	. V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	137.2700	49.67	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	137.6135	49.87	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	137.9583	50.07	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	138.3045	50.27	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	138.6522	50.48	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	139.0012	50.68	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	139.3517	50.89	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	139.7036	51.10	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	140.0570	51.31	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	140.4118	51.52	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	140.7682	51.74	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	141.1260	51.95	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	141.4853	52.18	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	141.8462	52.40	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	142.2086	52.62	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	142.5726	52.85	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	142.9381	53.08	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	143.3053	53.31	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	143.6741	53.55	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	144.0445	53.78	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	144.4165	54.02	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	144.7903	54.27	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	145.1657	54.51	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	145.5429	54.76	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	145.9218	55.02	Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	146.3024	55.27	Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
 101.167    146.6848     55.53  Q          . V        .          .          .
 (PEAK DAY 1, HOUR   5.167)
 101.250    147.0691     55.79  Q          . V        .          .          .
 (PEAK DAY 1, HOUR   5.250)
 101.333    147.4551     56.05  Q          . V        .          .          .
 (PEAK DAY 1, HOUR   5.333)
 101.417    147.8430     56.32  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.417)
 101.500    148.2327     56.59  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.500)
 101.583    148.6244     56.87  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.583)
 101.667    149.0179     57.14  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.667)
 101.750    149.4134     57.42  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.750)
 101.833    149.8109     57.71  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.833)
 101.917    150.2103     58.00  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   5.917)
 102.000    150.6118     58.29  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.000)
 102.083    151.0152     58.59  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.083)
 102.167    151.4208     58.89  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.167)
 102.250    151.8285     59.19  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.250)
 102.333    152.2383     59.50  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.333)
 102.417    152.6502     59.81  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.417)
 102.500    153.0643     60.13  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.500)
 102.583    153.4807     60.45  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.583)
 102.667    153.8993     60.78  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.667)
 102.750    154.3201     61.11  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.750)
 102.833    154.7433     61.45  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.833)
 102.917    155.1688     61.78  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   6.917)
 103.000    155.5967     62.13  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.000)
 103.083    156.0270     62.48  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.083)
 103.167    156.4598     62.84  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.167)
 103.250    156.8950     63.19  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.250)
 103.333    157.3327     63.56  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.333)
 103.417    157.7730     63.93  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.417)
 103.500    158.2159     64.31  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.500)
 103.583    158.6615     64.69  Q          .  V       .          .          .
 (PEAK DAY 1, HOUR   7.583)
 103.667    159.1097     65.08  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.667)
 103.750    159.5606     65.47  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.750)
 103.833    160.0143     65.88  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.833)
 103.917    160.4708     66.28  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   7.917)
 104.000    160.9302     66.70  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.000)
 104.083    161.3924     67.12  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.083)
 104.167    161.8577     67.55  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.167)
 104.250    162.3259     67.98  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.250)
 104.333    162.7971     68.43  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.333)
 104.417    163.2715     68.88  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.417)
 104.500    163.7490     69.34  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.500)
 104.583    164.2297     69.80  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.583)
 104.667    164.7137     70.28  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.667)
 104.750    165.2010     70.76  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.750)
 104.833    165.6917     71.25  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.833)
 104.917    166.1859     71.75  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   8.917)
 105.000    166.6836     72.26  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.000)
 105.083    167.1848     72.78  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.083)
 105.167    167.6897     73.31  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.167)
 105.250    168.1983     73.85  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.250)
 105.333    168.7106     74.40  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.333)
 105.417    169.2269     74.96  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.417)
 105.500    169.7471     75.53  .Q         .   V      .          .          .
 (PEAK DAY 1, HOUR   9.500)
 105.583    170.2712     76.11  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.583)
 105.667    170.7995     76.71  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.667)
 105.750    171.3320     77.31  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.750)
 105.833    171.8687     77.93  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.833)
 105.917    172.4097     78.56  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR   9.917)
 106.000    172.9553     79.21  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.000)
 106.083    173.5053     79.87  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.083)
 106.167    174.0600     80.55  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.167)
 106.250    174.6195     81.23  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.250)
 106.333    175.1838     81.94  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.333)
 106.417    175.7531     82.66  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.417)
 106.500    176.3275     83.40  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.500)
 106.583    176.9070     84.15  .Q         .    V     .          .          .
 (PEAK DAY 1, HOUR  10.583)
 106.667    177.4919     84.93  .Q         .    V     .          .          .
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 (PEAK DAY 1, HOUR  10.667)
106.750    178.0822     85.71  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    178.6782     86.53  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    179.2798     87.36  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    179.8873     88.21  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    180.5009     89.08  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    181.1206     89.99  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    181.7466     90.90  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    182.3792     91.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    183.0185     92.82  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    183.6647     93.83  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    184.3179     94.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    184.9784     95.91  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    185.6464     96.99  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    186.3222     98.12  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    187.0058     99.27  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    187.6978    100.47  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    188.4071    103.00  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    189.1709    110.90  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    190.0303    124.79  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    191.0077    141.92  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    192.0742    154.86  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    193.1971    163.04  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    194.3594    168.77  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    195.5523    173.20  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    196.7720    177.11  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    198.0194    181.12  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    199.2942    185.10  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    200.5969    189.16  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    201.9279    193.26  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    203.2883    197.53  .  Q      .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    204.6788    201.90  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    206.1012    206.52  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    207.5563    211.28  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    209.0460    216.31  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    210.5715    221.50  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    212.1349    227.01  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    213.7376    232.71  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    215.3821    238.78  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    217.0699    245.07  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    218.8041    251.80  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    220.5902    259.34  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    222.4465    269.54  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    224.3919    282.46  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    226.4383    297.14  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    228.5758    310.36  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    230.7948    322.20  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    233.0915    333.49  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    235.4680    345.08  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    237.9275    357.12  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    240.4778    370.30  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    243.1250    384.38  .    Q    .         .V        .         .
 (PEAK DAY 1, HOUR  14.917)
111.000    245.8795    399.94  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.000)
111.083    248.7500    416.80  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.083)
111.167    251.7508    435.72  .     Q   .         . V       .         .
 (PEAK DAY 1, HOUR  15.167)
111.250    254.8950    456.54  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.250)
111.333    258.2032    480.36  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.333)
111.417    261.6745    504.03  .      Q  .         .  V      .         .
 (PEAK DAY 1, HOUR  15.417)
111.500    265.2556    519.98  .      Q  .         .  V      .         .
 (PEAK DAY 1, HOUR  15.500)
111.583    268.8864    527.19  .       Q .         .  V      .         .
 (PEAK DAY 1, HOUR  15.583)
111.667    272.5746    535.52  .       Q .         .   V     .         .
 (PEAK DAY 1, HOUR  15.667)
111.750    276.4615    564.39  .       Q .         .   V     .         .
 (PEAK DAY 1, HOUR  15.750)
111.833    280.7536    623.20  .        Q.         .   V     .         .
 (PEAK DAY 1, HOUR  15.833)
111.917    285.6821    715.63  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  15.917)
112.000    291.6738    869.99  .         . Q       .    V    .         .
 (PEAK DAY 1, HOUR  16.000)
112.083    299.9257   1198.18  .         .       Q .     V   .         .
 (PEAK DAY 1, HOUR  16.083)
112.167    312.6125   1842.12  .         .         .      VQ .         .
 (PEAK DAY 1, HOUR  16.167)
112.250    329.2037   2409.04  .         .         .       V.      Q  .
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 (PEAK DAY 1, HOUR  16.250)
112.333    346.6870   2538.58  .         .         .         V        Q.
 (PEAK DAY 1, HOUR  16.333)
112.417    360.1437   1953.91  .         .         .         QV       .
 (PEAK DAY 1, HOUR  16.417)
112.500    369.2429   1321.20  .         .         Q         . V      .
 (PEAK DAY 1, HOUR  16.500)
112.583    375.7551    945.57  .         .   Q     .         .  V     .
 (PEAK DAY 1, HOUR  16.583)
112.667    380.7361    723.23  .         .Q        .         .  V     .
 (PEAK DAY 1, HOUR  16.667)
112.750    384.8868    602.69  .        Q.         .         .  V     .
 (PEAK DAY 1, HOUR  16.750)
112.833    388.6063    540.07  .       Q .         .         .   V    .
 (PEAK DAY 1, HOUR  16.833)
112.917    391.9329    483.02  .      Q  .         .         .   V    .
 (PEAK DAY 1, HOUR  16.917)
113.000    394.9217    433.96  .     Q   .         .         .   V    .
 (PEAK DAY 1, HOUR  17.000)
113.083    397.6353    394.02  .     Q   .         .         .    V   .
 (PEAK DAY 1, HOUR  17.083)
113.167    400.1144    359.97  .    Q    .         .         .    V   .
 (PEAK DAY 1, HOUR  17.167)
113.250    402.3992    331.75  .    Q    .         .         .    V   .
 (PEAK DAY 1, HOUR  17.250)
113.333    404.5044    305.67  .   Q     .         .         .    V   .
 (PEAK DAY 1, HOUR  17.333)
113.417    406.4601    283.98  .   Q     .         .         .    V   .
 (PEAK DAY 1, HOUR  17.417)
113.500    408.2940    266.28  .   Q     .         .         .    V   .
 (PEAK DAY 1, HOUR  17.500)
113.583    410.0247    251.30  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.583)
113.667    411.6657    238.27  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.667)
113.750    413.2271    226.73  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.750)
113.833    414.7146    215.98  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.833)
113.917    416.1360    206.38  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  17.917)
114.000    417.4958    197.44  . Q       .         .         .     V  .
 (PEAK DAY 1, HOUR  18.000)
114.083    418.7867    187.45  .Q        .         .         .     V  .
 (PEAK DAY 1, HOUR  18.083)
114.167    419.9803    173.31  .Q        .         .         .      V .
 (PEAK DAY 1, HOUR  18.167)
114.250    421.0444    154.50  .Q        .         .         .      V .
 (PEAK DAY 1, HOUR  18.250)
114.333    421.9666    133.89  .Q        .         .         .      V .
 (PEAK DAY 1, HOUR  18.333)
114.417    422.7832    118.57 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.417)
114.500    423.5391    109.76 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.500)
114.583    424.2572    104.27 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.583)
114.667    424.9502    100.61 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.667)
114.750    425.6237     97.79 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.750)
114.833    426.2794     95.21 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.833)
114.917    426.9191     92.90 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  18.917)
115.000    427.5446     90.82 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.000)
115.083    428.1571     88.93 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.083)
115.167    428.7575     87.18 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.167)
115.250    429.3465     85.52 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.250)
115.333    429.9244     83.92 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.333)
115.417    430.4919     82.39 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.417)
115.500    431.0491     80.91 .Q         .         .         .      V .
 (PEAK DAY 1, HOUR  19.500)
115.583    431.5964     79.46 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.583)
115.667    432.1327     77.87 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.667)
115.750    432.6594     76.47 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.750)
115.833    433.1776     75.24 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.833)
115.917    433.6878     74.08 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  19.917)
116.000    434.1903     72.96 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.000)
116.083    434.6854     71.89 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.083)
116.167    435.1735     70.87 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.167)
116.250    435.6548     69.88 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.250)
116.333    436.1295     68.93 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.333)
116.417    436.5980     68.02 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.417)
116.500    437.0605     67.15 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.500)
116.583    437.5171     66.30 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.583)
116.667    437.9680     65.48 .Q         .         .         .       V.
 (PEAK DAY 1, HOUR  20.667)
116.750    438.4135     64.69 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  20.750)
116.833    438.8538     63.92 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  20.833)
116.917    439.2888     63.18 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  20.917)
117.000    439.7190     62.45 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.000)
117.083    440.1443     61.75 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.083)
117.167    440.5648     61.07 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.167)
117.250    440.9809     60.41 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.250)
117.333    441.3925     59.77 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.333)
117.417    441.7998     59.14 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.417)
117.500    442.2029     58.53 Q          .         .         .       V.
 (PEAK DAY 1, HOUR  21.500)
117.583    442.6020     57.94 Q          .         .         .        V.
 (PEAK DAY 1, HOUR  21.583)
117.667    442.9971     57.37 Q          .         .         .        V.
 (PEAK DAY 1, HOUR  21.667)
117.750    443.3883     56.81 Q          .         .         .        V.
 (PEAK DAY 1, HOUR  21.750)
117.833    443.7758     56.26 Q          .         .         .        V.
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(PEAK DAY 1, HOUR 21.833)
117.917 444.1596 55.73 Q . . . V.
(PEAK DAY 1, HOUR 21.917)
118.000 444.5399 55.21 Q . . . V.
(PEAK DAY 1, HOUR 22.000)
118.083 444.9166 54.71 Q . . . V.
(PEAK DAY 1, HOUR 22.083)
118.167 445.2900 54.21 Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 445.6600 53.73 Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 446.0268 53.26 Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 446.3904 52.79 Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 446.7509 52.34 Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 447.1083 51.90 Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 447.4628 51.47 Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 447.8144 51.05 Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 448.1631 50.64 Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 448.5091 50.23 Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 448.8523 49.83 Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 449.1928 49.45 Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 449.5307 49.06 Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 449.8661 48.69 Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 450.1989 48.33 Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 450.5292 47.97 Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 450.8572 47.62 Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 451.1827 47.27 Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 451.5060 46.93 Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 451.8269 46.60 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 452.1455 46.27 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 452.4620 45.95 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 452.7763 45.64 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 453.0815 44.31 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 453.3494 38.91 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 453.5494 29.03 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 453.6667 17.04 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 453.7269 8.73 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 453.7581 4.53 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 453.7749 2.44 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 453.7856 1.55 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 453.7936 1.16 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 453.7993 0.83 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 453.8034 0.60 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 453.8066 0.47 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 453.8093 0.39 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 453.8117 0.35 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 453.8139 0.32 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 453.8159 0.28 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 453.8176 0.25 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 453.8192 0.23 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 453.8205 0.20 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 453.8217 0.17 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 453.8228 0.15 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 453.8237 0.13 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 453.8244 0.11 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 453.8251 0.09 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 453.8256 0.08 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 453.8261 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 453.8265 0.06 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 453.8268 0.05 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 453.8271 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 453.8274 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 453.8277 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 453.8279 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 453.8281 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 453.8283 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 453.8285 0.02 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 453.8286 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 453.8288 0.02 Q . . . V
(PEAK DAY 1, HOUR 27.083)
123.167 453.8289 0.02 Q . . . V
(PEAK DAY 1, HOUR 27.167)
123.250 453.8290 0.01 Q . . . V
(PEAK DAY 1, HOUR 27.250)
123.333 453.8290 0.01 Q . . . V
(PEAK DAY 1, HOUR 27.333)
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```
  END OF FLOODSCx ROUTING ANALYSIS



****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
============================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6961.5 Ac. ***
============================================================================

  END OF FLOODSCx ROUTING ANALYSIS



****************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
============================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6961.5 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
----------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1200.0    2400.0    3600.0    4800.0
----------------------------------------------------------------------------
  96.000    806.1330     89.10  Q         V         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    806.7475     89.22  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    807.3863     92.76  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    808.0791    100.60  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    808.8501    111.95  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    809.6977    123.07  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    810.6234    134.41  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    811.6334    146.66  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    812.7272    158.82  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    813.9064    171.22  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    815.1892    186.27  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    816.6066    205.80  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    818.1751    227.75  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    819.8814    247.75  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    821.6965    263.55  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    823.5943    275.57  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    825.5568    284.96  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    827.5719    292.59  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    829.6315    299.05  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    831.7296    304.65  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    833.8616    309.58  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    836.0241    313.99  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    838.2141    317.99  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    840.4293    321.64  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    842.6675    324.99  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    844.9268    328.04  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    847.2052    330.82  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    849.5010    333.36  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    851.8130    335.70  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    854.1400    337.87  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    856.4805    339.85  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    858.8331    341.60  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    861.1968    343.20  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    863.5708    344.71  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    865.9551    346.20  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    868.3495    347.67  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    870.7542    349.16  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    873.1691    350.64  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    875.5942    352.12  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    878.0296    353.62  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    880.4754    355.13  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    882.9317    356.65  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    885.3986    358.19  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    887.8762    359.74  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    890.3646    361.31  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    892.8639    362.89  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    895.3741    364.49  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    897.8955    366.10  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    900.4281    367.73  .  Q      .V        .         .         .
 (PEAK DAY 1, HOUR   4.000)
 100.083    902.9719    369.37  .  Q      .V        .         .         .
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(PEAK DAY 1, HOUR 4.083)
100.167 905.5272 371.02 . Q .V . . .
(PEAK DAY 1, HOUR 4.167)
100.250 908.0938 372.68 . Q .V . . .
(PEAK DAY 1, HOUR 4.250)
100.333 910.6718 374.33 . Q . V . . .
(PEAK DAY 1, HOUR 4.333)
100.417 913.2610 375.96 . Q . V . . .
(PEAK DAY 1, HOUR 4.417)
100.500 915.8613 377.57 . Q . V . . .
(PEAK DAY 1, HOUR 4.500)
100.583 918.4727 379.17 . Q . V . . .
(PEAK DAY 1, HOUR 4.583)
100.667 921.0951 380.78 . Q . V . . .
(PEAK DAY 1, HOUR 4.667)
100.750 923.7287 382.40 . Q . V . . .
(PEAK DAY 1, HOUR 4.750)
100.833 926.3737 384.05 . Q . V . . .
(PEAK DAY 1, HOUR 4.833)
100.917 929.0300 385.70 . Q . V . . .
(PEAK DAY 1, HOUR 4.917)
101.000 931.6979 387.38 . Q . V . . .
(PEAK DAY 1, HOUR 5.000)
101.083 934.3776 389.08 . Q . V . . .
(PEAK DAY 1, HOUR 5.083)
101.167 937.0690 390.80 . Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 939.7723 392.53 . Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 942.4878 394.29 . Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 945.2155 396.06 . Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 947.9556 397.86 . Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 950.7083 399.68 . Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 953.4735 401.52 . Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 956.2516 403.38 . Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 959.0427 405.27 . Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 961.8469 407.17 . Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 964.6645 409.11 . Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 967.4955 411.06 . Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 970.3401 413.05 . Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 973.1986 415.05 . Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 976.0711 417.08 . Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 978.9577 419.14 . Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 981.8587 421.22 . Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 984.7742 423.33 . Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 987.7045 425.48 . Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 990.6497 427.64 . Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 993.6100 429.84 . Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 996.5856 432.06 . Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 999.5765 434.27 . Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 1002.5816 436.34 . Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 1005.5991 438.15 . Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 1008.6274 439.71 . Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 1011.6660 441.19 . Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 1014.7150 442.72 . Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 1017.7754 444.36 . Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 1020.8478 446.12 . Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 1023.9332 448.00 . Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 1027.0322 449.98 . Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 1030.1456 452.07 . Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 1033.2740 454.25 . Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 1036.4181 456.51 . Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 1039.5782 458.86 . Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 1042.7551 461.28 . Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 1045.9491 463.76 . Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 1049.1606 466.33 . Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 1052.3903 468.94 . Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 1055.6384 471.63 . Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 1058.9054 474.37 . Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 1062.1918 477.18 . Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 1065.4978 480.03 . Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 1068.8240 482.96 . Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 1072.1705 485.93 . Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 1075.5381 488.97 . Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 1078.9269 492.05 . Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 1082.3374 495.21 . Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 1085.7700 498.41 . Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 1089.2250 501.66 . Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 1092.7015 504.80 . Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 1096.1982 507.72 . Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 1099.7134 510.39 . Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 1103.2461 512.95 . Q . V . . .

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 (PEAK DAY 1, HOUR   9.667)
105.750   1106.7964    515.50  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833   1110.3647    518.13  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917   1113.9518    520.84  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000   1117.5583    523.67  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083   1121.1851    526.59  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167   1124.8326    529.63  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250   1128.5018    532.77  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333   1132.1935    536.03  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417   1135.9082    539.38  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500   1139.6469    542.86  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583   1143.4102    546.43  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667   1147.1989    550.12  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750   1151.0137    553.92  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833   1154.8555    557.83  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917   1158.7250    561.85  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000   1162.6230    566.00  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083   1166.5504    570.25  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167   1170.5072    574.52  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250   1174.4924    578.66  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333   1178.5050    582.62  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417   1182.5442    586.49  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500   1186.6104    590.40  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583   1190.7040    594.40  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667   1194.8262    598.54  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750   1198.9778    602.81  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833   1203.1599    607.24  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917   1207.3735    611.81  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000   1211.6199    616.56  .    Q    .    V    .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083   1215.9089    622.77  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167   1220.2799    634.66  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250   1224.7795    653.35  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333   1229.4414    676.90  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417   1234.2512    698.39  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500   1239.1920    717.41  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583   1244.2524    734.77  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667   1249.4149    749.60  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750   1254.6630    762.01  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833   1259.9883    773.24  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917   1265.3866    783.84  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000   1270.8574    794.36  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083   1276.4014    804.99  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167   1282.0212    816.01  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250   1287.7194    827.37  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333   1293.4988    839.18  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417   1299.3617    851.29  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500   1305.3114    863.90  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583   1311.3505    876.88  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667   1317.4829    890.43  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750   1323.7119    904.45  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833   1330.0419    919.11  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917   1336.4752    934.12  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000   1343.0143    949.48  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083   1349.6639    965.53  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167   1356.4435    984.40  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250   1363.3750   1006.46  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333   1370.4764   1031.14  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417   1377.7445   1055.33  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500   1385.1777   1079.30  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583   1392.7798   1103.81  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667   1400.5601   1129.69  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750   1408.5300   1157.25  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833   1416.7085   1187.52  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917   1425.1135   1220.40  .         Q       V .         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1433.7688   1256.74  .         Q       V .         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1442.6975   1296.46  .         Q        V.         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1451.9292   1340.43  .         .Q       V.         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1461.4889   1388.07  .         .Q       V.         .         .
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(PEAK DAY 1, HOUR  15.250)
111.333   1471.4083   1440.29  .         . Q      V.         .         .
(PEAK DAY 1, HOUR  15.333)
111.417   1481.6995   1494.27  .         . Q      V.         .         .
(PEAK DAY 1, HOUR  15.417)
111.500   1492.3245   1542.75  .         . Q      V.         .         .
(PEAK DAY 1, HOUR  15.500)
111.583   1503.2313   1583.67  .         .  Q     V.         .         .
(PEAK DAY 1, HOUR  15.583)
111.667   1514.4225   1624.96  .         .  Q     V.         .         .
(PEAK DAY 1, HOUR  15.667)
111.750   1526.0288   1685.24  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  15.750)
111.833   1538.2551   1775.27  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  15.833)
111.917   1551.3846   1906.40  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  15.917)
112.000   1565.9880   2120.40  .         .      Q  V         .         .
(PEAK DAY 1, HOUR  16.000)
112.083   1583.4987   2542.53  .         .         VQ        .         .
(PEAK DAY 1, HOUR  16.083)
112.167   1606.6003   3354.37  .         .         .V     Q  .         .
(PEAK DAY 1, HOUR  16.167)
112.250   1635.5713   4206.57  .         .         .V        .    Q    .
(PEAK DAY 1, HOUR  16.250)
112.333   1668.3978   4766.41  .         .         . V       .        Q.
(PEAK DAY 1, HOUR  16.333)
112.417   1700.5179   4663.85  .         .         . V       .       Q .
(PEAK DAY 1, HOUR  16.417)
112.500   1731.1461   4447.21  .         .         . V       .      Q  .
(PEAK DAY 1, HOUR  16.500)
112.583   1759.7643   4155.35  .         .         .  V      .   Q     .
(PEAK DAY 1, HOUR  16.583)
112.667   1784.7502   3627.96  .         .         .  V      Q         .
(PEAK DAY 1, HOUR  16.667)
112.750   1805.8682   3066.32  .         .         .  V Q    .         .
(PEAK DAY 1, HOUR  16.750)
112.833   1824.0399   2638.54  .         .         .Q  V     .         .
(PEAK DAY 1, HOUR  16.833)
112.917   1840.0654   2326.90  .         .        Q.   V     .         .
(PEAK DAY 1, HOUR  16.917)
113.000   1854.5032   2096.36  .         .      Q  .   V     .         .
(PEAK DAY 1, HOUR  17.000)
113.083   1867.8026   1931.08  .         .     Q   .   V     .         .
(PEAK DAY 1, HOUR  17.083)
113.167   1880.2725   1810.62  .         .    Q    .   V     .         .
(PEAK DAY 1, HOUR  17.167)
113.250   1892.0800   1714.45  .         .   Q     .   V     .         .
(PEAK DAY 1, HOUR  17.250)
113.333   1903.2952   1628.45  .         .  Q      .    V    .         .
(PEAK DAY 1, HOUR  17.333)
113.417   1914.0037   1554.87  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  17.417)
113.500   1924.3058   1495.87  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  17.500)
113.583   1934.2889   1449.56  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  17.583)
113.667   1944.0222   1413.27  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  17.667)
113.750   1953.5548   1384.12  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  17.750)
113.833   1962.9153   1359.14  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  17.833)
113.917   1972.1239   1337.09  .         .Q        .     V   .         .
(PEAK DAY 1, HOUR  17.917)
114.000   1981.1934   1316.88  .        Q          .     V   .         .
(PEAK DAY 1, HOUR  18.000)
114.083   1990.1206   1296.23  .         Q         .     V   .         .
(PEAK DAY 1, HOUR  18.083)
114.167   1998.8792   1271.73  .         Q         .     V   .         .
(PEAK DAY 1, HOUR  18.167)
114.250   2007.4374   1242.65  .         Q         .     V   .         .
(PEAK DAY 1, HOUR  18.250)
114.333   2015.7731   1210.35  .         Q         .     V   .         .
(PEAK DAY 1, HOUR  18.333)
114.417   2023.9105   1181.56  .        Q.         .     V   .         .
(PEAK DAY 1, HOUR  18.417)
114.500   2031.8853   1157.93  .        Q.         .     V   .         .
(PEAK DAY 1, HOUR  18.500)
114.583   2039.7175   1137.25  .        Q.         .     V   .         .
(PEAK DAY 1, HOUR  18.583)
114.667   2047.4238   1118.96  .        Q.         .      V  .         .
(PEAK DAY 1, HOUR  18.667)
114.750   2055.0222   1103.27  .        Q.         .      V  .         .
(PEAK DAY 1, HOUR  18.750)
114.833   2062.5310   1090.29  .        Q.         .      V  .         .
(PEAK DAY 1, HOUR  18.833)
114.917   2069.9656   1079.49  .       Q .         .      V  .         .
(PEAK DAY 1, HOUR  18.917)
115.000   2077.3325   1069.67  .       Q .         .      V  .         .
(PEAK DAY 1, HOUR  19.000)
115.083   2084.6355   1060.40  .       Q .         .      V  .         .
(PEAK DAY 1, HOUR  19.083)
115.167   2091.8826   1052.27  .       Q .         .      V  .         .
(PEAK DAY 1, HOUR  19.167)
115.250   2099.0813   1045.25  .       Q .         .      V  .         .
(PEAK DAY 1, HOUR  19.250)
115.333   2106.2358   1038.85  .       Q .         .      V  .         .
(PEAK DAY 1, HOUR  19.333)
115.417   2113.3501   1032.99  .       Q .         .      V  .         .
(PEAK DAY 1, HOUR  19.417)
115.500   2120.4272   1027.62  .       Q .         .      V  .         .
(PEAK DAY 1, HOUR  19.500)
115.583   2127.4695   1022.53  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  19.583)
115.667   2134.4766   1017.44  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  19.667)
115.750   2141.4507   1012.63  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  19.750)
115.833   2148.3928   1008.01  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  19.833)
115.917   2155.3025   1003.28  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  19.917)
116.000   2162.1785    998.40  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  20.000)
116.083   2169.0220    993.68  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  20.083)
116.167   2175.8357    989.34  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  20.167)
116.250   2182.6216    985.31  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  20.250)
116.333   2189.3806    981.42  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  20.333)
116.417   2196.1133    977.59  .       Q .         .       V .         .
(PEAK DAY 1, HOUR  20.417)
116.500   2202.8174    973.45  .       Q .         .        V.         .
(PEAK DAY 1, HOUR  20.500)
116.583   2209.4929    969.29  .       Q .         .        V.         .
(PEAK DAY 1, HOUR  20.583)
116.667   2216.1426    965.52  .       Q .         .        V.         .
(PEAK DAY 1, HOUR  20.667)
116.750   2222.7686    962.10  .       Q .         .        V.         .
(PEAK DAY 1, HOUR  20.750)
116.833   2229.3723    958.86  .      Q  .         .        V.         .
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 (PEAK DAY 1, HOUR  20.833)
116.917   2235.9546    955.74  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  20.917)
117.000   2242.5159    952.68  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  21.000)
117.083   2249.0562    949.65  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  21.083)
117.167   2255.5762    946.72  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  21.167)
117.250   2262.0769    943.92  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  21.250)
117.333   2268.5588    941.18  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  21.333)
117.417   2275.0225    938.50  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.417)
117.500   2281.4678    935.88  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.500)
117.583   2287.8955    933.29  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.583)
117.667   2294.3057    930.76  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.667)
117.750   2300.6987    928.27  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.750)
117.833   2307.0750    925.84  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.833)
117.917   2313.4348    923.46  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.917)
118.000   2319.7788    921.15  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  22.000)
118.083   2326.1072    918.87  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  22.083)
118.167   2332.4202    916.64  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  22.167)
118.250   2338.7180    914.43  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  22.250)
118.333   2345.0007    912.26  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  22.333)
118.417   2351.2688    910.12  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  22.417)
118.500   2357.5222    908.01  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  22.500)
118.583   2363.7615    905.92  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  22.583)
118.667   2369.9863    903.87  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  22.667)
118.750   2376.1973    901.83  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  22.750)
118.833   2382.3943    899.82  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  22.833)
118.917   2388.5776    897.84  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  22.917)
119.000   2394.7476    895.87  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  23.000)
119.083   2400.9041    893.93  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  23.083)
119.167   2407.0474    892.01  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  23.167)
119.250   2413.1775    890.11  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  23.250)
119.333   2419.2947    888.23  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  23.333)
119.417   2425.3992    886.36  .      Q  .         .        .V         .
 (PEAK DAY 1, HOUR  23.417)
119.500   2431.4910    884.51  .      Q  .         .        . V        .
 (PEAK DAY 1, HOUR  23.500)
119.583   2437.5701    882.68  .      Q  .         .        . V        .
 (PEAK DAY 1, HOUR  23.583)
119.667   2443.6367    880.87  .      Q  .         .        . V        .
 (PEAK DAY 1, HOUR  23.667)
119.750   2449.6909    879.08  .      Q  .         .        . V        .
 (PEAK DAY 1, HOUR  23.750)
119.833   2455.7329    877.31  .      Q  .         .        . V        .
 (PEAK DAY 1, HOUR  23.833)
119.917   2461.7632    875.58  .      Q  .         .        . V        .
 (PEAK DAY 1, HOUR  23.917)
120.000   2467.7817    873.89  .      Q  .         .        . V        .
 (PEAK DAY 1, HOUR  24.000)
120.083   2473.7817    871.20  .      Q  .         .        . V        .
 (PEAK DAY 1, HOUR  24.083)
120.167   2479.7332    864.15  .      Q  .         .        . V        .
 (PEAK DAY 1, HOUR  24.167)
120.250   2485.5981    851.60  .      Q  .         .        . V        .
 (PEAK DAY 1, HOUR  24.250)
120.333   2491.3462    834.62  .     Q   .         .        . V        .
 (PEAK DAY 1, HOUR  24.333)
120.417   2496.9814    818.25  .     Q   .         .        . V        .
 (PEAK DAY 1, HOUR  24.417)
120.500   2502.5090    802.61  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  24.500)
120.583   2507.9353    787.88  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  24.583)
120.667   2513.2812    776.22  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  24.667)
120.750   2518.5706    768.02  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  24.750)
120.833   2523.8198    762.19  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  24.833)
120.917   2529.0398    757.93  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  24.917)
121.000   2534.2375    754.73  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  25.000)
121.083   2539.4177    752.15  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  25.083)
121.167   2544.5823    749.88  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  25.167)
121.250   2549.7322    747.78  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  25.250)
121.333   2554.8689    745.85  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  25.333)
121.417   2559.9929    744.02  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  25.417)
121.500   2565.1040    742.12  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  25.500)
121.583   2570.2004    740.01  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  25.583)
121.667   2575.2810    737.69  .     Q   .         .        .  V       .
 (PEAK DAY 1, HOUR  25.667)
121.750   2580.3445    735.23  .     Q   .         .        .   V      .
 (PEAK DAY 1, HOUR  25.750)
121.833   2585.3906    732.72  .     Q   .         .        .   V      .
 (PEAK DAY 1, HOUR  25.833)
121.917   2590.4194    730.20  .     Q   .         .        .   V      .
 (PEAK DAY 1, HOUR  25.917)
122.000   2595.4309    727.68  .     Q   .         .        .   V      .
 (PEAK DAY 1, HOUR  26.000)
122.083   2600.4253    725.19  .     Q   .         .        .   V      .
 (PEAK DAY 1, HOUR  26.083)
122.167   2605.4026    722.72  .     Q   .         .        .   V      .
 (PEAK DAY 1, HOUR  26.167)
122.250   2610.3630    720.26  .     Q   .         .        .   V      .
 (PEAK DAY 1, HOUR  26.250)
122.333   2615.3069    717.83  .    Q    .         .        .   V      .
 (PEAK DAY 1, HOUR  26.333)
122.417   2620.2341    715.43  .    Q    .         .        .   V      .
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 (PEAK DAY 1, HOUR  26.417)
 122.500   2625.1448    713.04  .    Q    .         .         .    V     .
 (PEAK DAY 1, HOUR  26.500)
 122.583   2630.0393    710.67  .    Q    .         .         .    V     .
 (PEAK DAY 1, HOUR  26.583)
 122.667   2634.9175    708.33  .    Q    .         .         .    V     .
 (PEAK DAY 1, HOUR  26.667)
 122.750   2639.7798    706.01  .    Q    .         .         .    V     .
 (PEAK DAY 1, HOUR  26.750)
 122.833   2644.6262    703.69  .    Q    .         .         .    V     .
 (PEAK DAY 1, HOUR  26.833)
 122.917   2649.4565    701.36  .    Q    .         .         .    V     .
 (PEAK DAY 1, HOUR  26.917)
 123.000   2654.2708    699.03  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.000)
 123.083   2659.0688    696.69  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.083)
 123.167   2663.8511    694.36  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.167)
 123.250   2668.6172    692.04  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.250)
 123.333   2673.3674    689.74  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.333)
 123.417   2678.1018    687.44  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.417)
 123.500   2682.8203    685.14  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.500)
 123.583   2687.5232    682.86  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.583)
 123.667   2692.2104    680.58  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.667)
 123.750   2696.8821    678.31  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.750)
 123.833   2701.5381    676.05  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.833)
 123.917   2706.1785    673.80  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  27.917)
 124.000   2710.8035    671.56  .    Q    .         .         .     V    .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6395.00 IS CODE = 5.2
--------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6961.5 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   35.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     220.00
           DOWNSTREAM ELEVATION(FT) =     213.00
           CHANNEL LENGTH(FT) =     959.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  4766.41
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  3746.91
           CHANNEL NORMAL VELOCITY FOR Q =  3746.91 CFS =  10.57 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.862

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.997


         CONVEX METHOD CHANNEL ROUTING RESULTS:
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	89.10	89.28	89.28
1	0.083	96.083	89.22	89.19	89.19
1	0.167	96.167	92.76	91.83	91.83
1	0.250	96.250	100.60	98.53	98.53
1	0.333	96.333	111.95	108.96	108.96
1	0.417	96.417	123.07	120.13	120.13
1	0.500	96.500	134.41	131.42	131.42
1	0.583	96.583	146.66	143.43	143.43
1	0.667	96.667	158.82	155.61	155.61
1	0.750	96.750	171.22	167.95	167.95
1	0.833	96.833	186.27	182.30	182.30
1	0.917	96.917	205.80	200.65	200.65
1	1.000	97.000	227.75	221.97	221.97
1	1.083	97.083	247.75	242.48	242.48
1	1.167	97.167	263.55	259.38	259.38
1	1.250	97.250	275.57	272.39	272.39
1	1.333	97.333	284.96	282.48	282.48
1	1.417	97.417	292.59	290.58	290.58
1	1.500	97.500	299.05	297.34	297.34
1	1.583	97.583	304.65	303.17	303.17
1	1.667	97.667	309.58	308.28	308.28
1	1.750	97.750	313.99	312.83	312.83
1	1.833	97.833	317.99	316.93	316.93
1	1.917	97.917	321.64	320.68	320.68
1	2.000	98.000	324.99	324.11	324.11
1	2.083	98.083	328.04	327.24	327.24
1	2.167	98.167	330.82	330.09	330.09
1	2.250	98.250	333.36	332.69	332.69
1	2.333	98.333	335.70	335.08	335.08
1	2.417	98.417	337.87	337.30	337.30
1	2.500	98.500	339.85	339.33	339.33
1	2.583	98.583	341.60	341.14	341.14
1	2.667	98.667	343.20	342.78	342.78
1	2.750	98.750	344.71	344.31	344.31
1	2.833	98.833	346.20	345.81	345.81
1	2.917	98.917	347.67	347.28	347.28
1	3.000	99.000	349.16	348.76	348.76
1	3.083	99.083	350.64	350.25	350.25
1	3.167	99.167	352.12	351.73	351.73
1	3.250	99.250	353.62	353.23	353.23
1	3.333	99.333	355.13	354.73	354.73
1	3.417	99.417	356.65	356.25	356.25
1	3.500	99.500	358.19	357.79	357.79
1	3.583	99.583	359.74	359.34	359.34
1	3.667	99.667	361.31	360.90	360.90
1	3.750	99.750	362.89	362.48	362.48
1	3.833	99.833	364.49	364.07	364.07

1	3.917 99.917	366.10	365.68	365.68
1	4.000 100.000	367.73	367.30	367.30
1	4.083 100.083	369.37	368.93	368.93
1	4.167 100.167	371.02	370.58	370.58
1	4.250 100.250	372.68	372.24	372.24
1	4.333 100.333	374.33	373.89	373.89
1	4.417 100.417	375.96	375.53	375.53
1	4.500 100.500	377.57	377.14	377.14
1	4.583 100.583	379.17	378.74	378.74
1	4.667 100.667	380.78	380.35	380.35
1	4.750 100.750	382.40	381.97	381.97
1	4.833 100.833	384.05	383.61	383.61
1	4.917 100.917	385.70	385.27	385.27
1	5.000 101.000	387.38	386.94	386.94
1	5.083 101.083	389.08	388.63	388.63
1	5.167 101.167	390.80	390.34	390.34
1	5.250 101.250	392.53	392.07	392.07
1	5.333 101.333	394.29	393.82	393.82
1	5.417 101.417	396.06	395.59	395.59
1	5.500 101.500	397.86	397.39	397.39
1	5.583 101.583	399.68	399.20	399.20
1	5.667 101.667	401.52	401.03	401.03
1	5.750 101.750	403.38	402.89	402.89
1	5.833 101.833	405.27	404.77	404.77
1	5.917 101.917	407.17	406.67	406.67
1	6.000 102.000	409.11	408.60	408.60
1	6.083 102.083	411.06	410.55	410.55
1	6.167 102.167	413.05	412.52	412.52
1	6.250 102.250	415.05	414.52	414.52
1	6.333 102.333	417.08	416.55	416.55
1	6.417 102.417	419.14	418.60	418.60
1	6.500 102.500	421.22	420.67	420.67
1	6.583 102.583	423.33	422.78	422.78
1	6.667 102.667	425.48	424.91	424.91
1	6.750 102.750	427.64	427.07	427.07
1	6.833 102.833	429.84	429.26	429.26
1	6.917 102.917	432.06	431.47	431.47
1	7.000 103.000	434.27	433.69	433.69
1	7.083 103.083	436.34	435.80	435.80
1	7.167 103.167	438.15	437.67	437.67
1	7.250 103.250	439.71	439.30	439.30
1	7.333 103.333	441.19	440.80	440.80
1	7.417 103.417	442.72	442.32	442.32
1	7.500 103.500	444.36	443.93	443.93
1	7.583 103.583	446.12	445.65	445.65
1	7.667 103.667	448.00	447.50	447.50
1	7.750 103.750	449.98	449.46	449.46
1	7.833 103.833	452.07	451.52	451.52
1	7.917 103.917	454.25	453.67	453.67
1	8.000 104.000	456.51	455.92	455.92
1	8.083 104.083	458.86	458.24	458.24
1	8.167 104.167	461.28	460.64	460.64
1	8.250 104.250	463.76	463.11	463.11
1	8.333 104.333	466.33	465.65	465.65
1	8.417 104.417	468.94	468.25	468.25
1	8.500 104.500	471.63	470.92	470.92
1	8.583 104.583	474.37	473.65	473.65
1	8.667 104.667	477.18	476.44	476.44
1	8.750 104.750	480.03	479.28	479.28
1	8.833 104.833	482.96	482.18	482.18
1	8.917 104.917	485.93	485.14	485.14
1	9.000 105.000	488.97	488.16	488.16
1	9.083 105.083	492.05	491.24	491.24
1	9.167 105.167	495.21	494.38	494.38
1	9.250 105.250	498.41	497.57	497.57
1	9.333 105.333	501.66	500.80	500.80
1	9.417 105.417	504.80	503.97	503.97
1	9.500 105.500	507.72	506.95	506.95
1	9.583 105.583	510.39	509.69	509.69
1	9.667 105.667	512.95	512.27	512.27
1	9.750 105.750	515.50	514.83	514.83
1	9.833 105.833	518.13	517.43	517.43
1	9.917 105.917	520.84	520.13	520.13
1	10.000 106.000	523.67	522.92	522.92
1	10.083 106.083	526.59	525.82	525.82
1	10.167 106.167	529.63	528.83	528.83
1	10.250 106.250	532.77	531.94	531.94
1	10.333 106.333	536.03	535.17	535.17
1	10.417 106.417	539.38	538.50	538.50
1	10.500 106.500	542.86	541.94	541.94
1	10.583 106.583	546.43	545.49	545.49
1	10.667 106.667	550.12	549.15	549.15
1	10.750 106.750	553.92	552.92	552.92
1	10.833 106.833	557.83	556.80	556.80
1	10.917 106.917	561.85	560.79	560.79
1	11.000 107.000	566.00	564.91	564.91
1	11.083 107.083	570.25	569.13	569.13
1	11.167 107.167	574.52	573.40	573.40
1	11.250 107.250	578.66	577.57	577.57
1	11.333 107.333	582.62	581.57	581.57
1	11.417 107.417	586.49	585.47	585.47
1	11.500 107.500	590.40	589.37	589.37
1	11.583 107.583	594.40	593.34	593.34
1	11.667 107.667	598.54	597.45	597.45
1	11.750 107.750	602.81	601.68	601.68
1	11.833 107.833	607.24	606.07	606.07
1	11.917 107.917	611.81	610.61	610.61
1	12.000 108.000	616.56	615.31	615.31
1	12.083 108.083	622.77	621.14	621.14
1	12.167 108.167	634.66	631.53	631.53
1	12.250 108.250	653.35	648.43	648.43
1	12.333 108.333	676.90	670.69	670.69
1	12.417 108.417	698.39	692.72	692.72
1	12.500 108.500	717.41	712.39	712.39
1	12.583 108.583	734.77	730.19	730.19
1	12.667 108.667	749.60	745.68	745.68
1	12.750 108.750	762.01	758.74	758.74
1	12.833 108.833	773.24	770.28	770.28
1	12.917 108.917	783.84	781.04	781.04
1	13.000 109.000	794.36	791.58	791.58
1	13.083 109.083	804.99	802.19	802.19
1	13.167 109.167	816.01	813.10	813.10
1	13.250 109.250	827.37	824.37	824.37
1	13.333 109.333	839.18	836.06	836.06
1	13.417 109.417	851.29	848.10	848.10
1	13.500 109.500	863.90	860.57	860.57
1	13.583 109.583	876.88	873.45	873.45
1	13.667 109.667	890.43	886.86	886.86
1	13.750 109.750	904.45	900.75	900.75
1	13.833 109.833	919.11	915.24	915.24
1	13.917 109.917	934.12	930.16	930.16
1	14.000 110.000	949.48	945.43	945.43
1	14.083 110.083	965.53	961.30	961.30
1	14.167 110.167	984.40	979.42	979.42
1	14.250 110.250	1006.46	1000.64	1000.64
1	14.333 110.333	1031.14	1024.63	1024.63
1	14.417 110.417	1055.33	1048.95	1048.95
1	14.500 110.500	1079.30	1072.98	1072.98
1	14.583 110.583	1103.81	1097.35	1097.35
1	14.667 110.667	1129.69	1122.87	1122.87
1	14.750 110.750	1157.25	1149.98	1149.98
1	14.833 110.833	1187.52	1179.54	1179.54
1	14.917 110.917	1220.40	1211.73	1211.73
1	15.000 111.000	1256.74	1247.16	1247.16

1	15.083	111.083	1296.46	1285.98	1285.98
1	15.167	111.167	1340.43	1328.84	1328.84
1	15.250	111.250	1388.07	1375.51	1375.51
1	15.333	111.333	1440.29	1426.53	1426.53
1	15.417	111.417	1494.27	1480.04	1480.04
1	15.500	111.500	1542.75	1529.96	1529.96
1	15.583	111.583	1583.67	1572.87	1572.87
1	15.667	111.667	1624.96	1614.07	1614.07
1	15.750	111.750	1685.24	1669.36	1669.36
1	15.833	111.833	1775.27	1751.55	1751.55
1	15.917	111.917	1906.40	1871.85	1871.85
1	16.000	112.000	2120.40	2064.04	2064.04
1	16.083	112.083	2542.53	2431.39	2431.39
1	16.167	112.167	3354.37	3140.61	3140.61
1	16.250	112.250	4206.57	3981.87	3981.87
1	16.333	112.333	4766.41	4618.52	4618.52
1	16.417	112.417	4663.85	4690.32	4690.32
1	16.500	112.500	4447.21	4504.24	4504.24
1	16.583	112.583	4155.35	4232.25	4232.25
1	16.667	112.667	3627.96	3766.83	3766.83
1	16.750	112.750	3066.32	3214.40	3214.40
1	16.833	112.833	2638.54	2751.47	2751.47
1	16.917	112.917	2326.90	2409.19	2409.19
1	17.000	113.000	2096.36	2157.23	2157.23
1	17.083	113.083	1931.08	1974.72	1974.72
1	17.167	113.167	1810.62	1842.42	1842.42
1	17.250	113.250	1714.45	1739.83	1739.83
1	17.333	113.333	1628.45	1651.14	1651.14
1	17.417	113.417	1554.87	1574.28	1574.28
1	17.500	113.500	1495.87	1511.44	1511.44
1	17.583	113.583	1449.56	1461.78	1461.78
1	17.667	113.667	1413.27	1422.85	1422.85
1	17.750	113.750	1384.12	1391.82	1391.82
1	17.833	113.833	1359.14	1365.73	1365.73
1	17.917	113.917	1337.09	1342.90	1342.90
1	18.000	114.000	1316.88	1322.21	1322.21
1	18.083	114.083	1296.23	1301.68	1301.68
1	18.167	114.167	1271.73	1278.19	1278.19
1	18.250	114.250	1242.65	1250.32	1250.32
1	18.333	114.333	1210.35	1218.87	1218.87
1	18.417	114.417	1181.56	1189.16	1189.16
1	18.500	114.500	1157.93	1164.16	1164.16
1	18.583	114.583	1137.25	1142.71	1142.71
1	18.667	114.667	1118.96	1123.79	1123.79
1	18.750	114.750	1103.27	1107.41	1107.41
1	18.833	114.833	1090.29	1093.71	1093.71
1	18.917	114.917	1079.49	1082.34	1082.34
1	19.000	115.000	1069.67	1072.26	1072.26
1	19.083	115.083	1060.40	1062.84	1062.84
1	19.167	115.167	1052.27	1054.41	1054.41
1	19.250	115.250	1045.25	1047.10	1047.10
1	19.333	115.333	1038.85	1040.54	1040.54
1	19.417	115.417	1032.99	1034.54	1034.54
1	19.500	115.500	1027.62	1029.04	1029.04
1	19.583	115.583	1022.53	1023.87	1023.87
1	19.667	115.667	1017.44	1018.78	1018.78
1	19.750	115.750	1012.63	1013.90	1013.90
1	19.833	115.833	1008.01	1009.23	1009.23
1	19.917	115.917	1003.28	1004.53	1004.53
1	20.000	116.000	998.40	999.68	999.68
1	20.083	116.083	993.68	994.92	994.92
1	20.167	116.167	989.34	990.48	990.48
1	20.250	116.250	985.31	986.37	986.37
1	20.333	116.333	981.42	982.45	982.45
1	20.417	116.417	977.59	978.60	978.60
1	20.500	116.500	973.45	974.54	974.54
1	20.583	116.583	969.29	970.39	970.39
1	20.667	116.667	965.52	966.52	966.52
1	20.750	116.750	962.10	963.00	963.00
1	20.833	116.833	958.86	959.72	959.72
1	20.917	116.917	955.74	956.56	956.56
1	21.000	117.000	952.68	953.49	953.49
1	21.083	117.083	949.65	950.45	950.45
1	21.167	117.167	946.72	947.49	947.49
1	21.250	117.250	943.92	944.66	944.66
1	21.333	117.333	941.18	941.90	941.90
1	21.417	117.417	938.50	939.21	939.21
1	21.500	117.500	935.88	936.57	936.57
1	21.583	117.583	933.29	933.97	933.97
1	21.667	117.667	930.76	931.43	931.43
1	21.750	117.750	928.27	928.93	928.93
1	21.833	117.833	925.84	926.48	926.48
1	21.917	117.917	923.46	924.09	924.09
1	22.000	118.000	921.15	921.76	921.76
1	22.083	118.083	918.87	919.47	919.47
1	22.167	118.167	916.64	917.23	917.23
1	22.250	118.250	914.43	915.02	915.02
1	22.333	118.333	912.26	912.84	912.84
1	22.417	118.417	910.12	910.68	910.68
1	22.500	118.500	908.01	908.56	908.56
1	22.583	118.583	905.92	906.47	906.47
1	22.667	118.667	903.87	904.41	904.41
1	22.750	118.750	901.83	902.37	902.37
1	22.833	118.833	899.82	900.35	900.35
1	22.917	118.917	897.84	898.36	898.36
1	23.000	119.000	895.87	896.39	896.39
1	23.083	119.083	893.93	894.44	894.44
1	23.167	119.167	892.01	892.52	892.52
1	23.250	119.250	890.11	890.61	890.61
1	23.333	119.333	888.23	888.72	888.72
1	23.417	119.417	886.36	886.85	886.85
1	23.500	119.500	884.51	885.00	885.00
1	23.583	119.583	882.68	883.17	883.17
1	23.667	119.667	880.87	881.35	881.35
1	23.750	119.750	879.08	879.55	879.55
1	23.833	119.833	877.31	877.78	877.78
1	23.917	119.917	875.58	876.04	876.04
1	24.000	120.000	873.89	874.33	874.33
1	24.083	120.083	871.20	871.90	871.90
1	24.167	120.167	864.15	866.00	866.00
1	24.250	120.250	851.60	854.90	854.90
1	24.333	120.333	834.62	839.09	839.09
1	24.417	120.417	818.25	822.57	822.57
1	24.500	120.500	802.61	806.74	806.74
1	24.583	120.583	787.88	791.77	791.77
1	24.667	120.667	776.22	779.30	779.30
1	24.750	120.750	768.02	770.18	770.18
1	24.833	120.833	762.19	763.73	763.73
1	24.917	120.917	757.93	759.05	759.05
1	25.000	121.000	754.73	755.58	755.58
1	25.083	121.083	752.15	752.83	752.83
1	25.167	121.167	749.88	750.47	750.47
1	25.250	121.250	747.78	748.33	748.33
1	25.333	121.333	745.85	746.36	746.36
1	25.417	121.417	744.02	744.50	744.50
1	25.500	121.500	742.12	742.62	742.62
1	25.583	121.583	740.01	740.57	740.57
1	25.667	121.667	737.69	738.30	738.30
1	25.750	121.750	735.23	735.88	735.88
1	25.833	121.833	732.72	733.38	733.38
1	25.917	121.917	730.20	730.86	730.86
1	26.000	122.000	727.68	728.35	728.35
1	26.083	122.083	725.19	725.85	725.85
1	26.167	122.167	722.72	723.37	723.37

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  1   26.250 122.250       720.26      720.91      720.91
  1   26.333 122.333       717.83      718.47      718.47
  1   26.417 122.417       715.43      716.06      716.06
  1   26.500 122.500       713.04      713.67      713.67
  1   26.583 122.583       710.67      711.30      711.30
  1   26.667 122.667       708.33      708.95      708.95
  1   26.750 122.750       706.01      706.62      706.62
  1   26.833 122.833       703.69      704.30      704.30
  1   26.917 122.917       701.36      701.98      701.98
  1   27.000 123.000       699.03      699.64      699.64
  1   27.083 123.083       696.69      697.31      697.31
  1   27.167 123.167       694.36      694.98      694.98
  1   27.250 123.250       692.04      692.66      692.66
  1   27.333 123.333       689.74      690.34      690.34
  1   27.417 123.417       687.44      688.04      688.04
  1   27.500 123.500       685.14      685.75      685.75
  1   27.583 123.583       682.86      683.46      683.46
  1   27.667 123.667       680.58      681.18      681.18
  1   27.750 123.750       678.31      678.91      678.91
  1   27.833 123.833       676.05      676.65      676.65
  1   27.917 123.917       673.80      674.39      674.39
  1   28.000 124.000       671.56      672.15      672.15
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   3032.844 AF
    OUTFLOW VOLUME =   3032.844 AF
    LOSS    VOLUME =      0.000 AF
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6380.00 TO NODE   6395.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   329.6 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

     (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     329.600 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.330 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        VALLEY(UNDEVELOPED)/DESERT:
                "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |  1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |  3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |  6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        | 24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.150|   0.150|   0.150|   0.150|   0.150|
        | LOW LOSS FRACTION |   0.500|   0.750|   0.950|   0.990|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.985
         30-MINUTE FACTOR = 0.985
          1-HOUR FACTOR = 0.985
          3-HOUR FACTOR = 0.998
          6-HOUR FACTOR = 0.999
         24-HOUR FACTOR = 0.999

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  25.253


        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
        MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER         MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                1.602               63.859
         2                7.797              246.932
         3               21.404              542.405
         4               39.370              716.138
         5               60.064              824.885
         6               75.891              630.876
         7               85.613              387.515
         8               91.167              221.417
         9               94.489              132.407
        10               96.293               71.884
        11               97.026               29.243
        12               97.665               25.478
        13               98.270               24.118
        14               98.850               23.087
        15               98.984                5.349
        16               99.089                4.176
        17               99.176                3.468
        18               99.236                2.391
        19               99.292                2.234
        20               99.345                2.124
        21               99.396                2.026
        22               99.445                1.965
        23               99.491                1.826
        24               99.536                1.815
        25               99.577                1.639
        26               99.617                1.559
        27               99.656                1.556
        28               99.690                1.365
        29               99.721                1.257
        30               99.753                1.257
        31               99.784                1.254
        32               99.812                1.082
        33               99.830                0.737
        34               99.848                0.724
        35               99.866                0.724
        36               99.885                0.724
```

37	99.900	0.614
38	99.906	0.230
39	99.911	0.198
40	99.916	0.197
41	99.921	0.199
42	99.926	0.197
43	99.930	0.197
44	99.935	0.198
45	99.940	0.198
46	99.945	0.197
47	99.950	0.199
48	99.955	0.197
49	99.960	0.197
50	99.965	0.196
51	99.970	0.197
52	99.975	0.197
53	99.980	0.197
54	99.985	0.196
55	99.990	0.197
56	99.995	0.197
57	100.000	0.197
58	100.000	0.013

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 162.7269

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 154.7721

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	200.0	400.0	600.0	800.0
96.000	41.7912	3.86	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	41.8189	4.03	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	41.8518	4.78	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	41.8963	6.45	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	41.9561	8.68	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	42.0337	11.27	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	42.1251	13.26	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	42.2250	14.51	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	42.3300	15.24	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	42.4381	15.70	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	42.5482	15.98	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	42.6592	16.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	42.7712	16.26	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	42.8840	16.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	42.9978	16.51	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	43.1120	16.59	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	43.2267	16.66	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	43.3419	16.73	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	43.4576	16.79	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	43.5737	16.86	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	43.6902	16.92	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	43.8072	16.99	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	43.9247	17.06	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	44.0426	17.12	Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	44.1610	17.19	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	44.2799	17.26	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	44.3992	17.33	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	44.5190	17.40	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	44.6393	17.46	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	44.7600	17.53	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	44.8812	17.60	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	45.0029	17.67	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	45.1251	17.74	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	45.2478	17.81	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	45.3710	17.88	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	45.4946	17.95	Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	45.6188	18.03	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	45.7434	18.10	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	45.8686	18.17	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	45.9942	18.24	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	46.1204	18.32	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	46.2470	18.39	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	46.3742	18.47	Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	46.5019	18.54	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	46.6301	18.62	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	46.7589	18.70	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	46.8882	18.77	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	47.0181	18.85	Q	. V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	47.1484	18.93	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	47.2794	19.01	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	47.4109	19.09	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	47.5430	19.18	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	47.6756	19.26	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	47.8089	19.35	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	47.9427	19.43	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	48.0771	19.52	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	48.2121	19.60	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	48.3477	19.69	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	48.4840	19.78	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	48.6208	19.87	Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	48.7583	19.96	Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	48.8964	20.05	.Q	. V	.	.	.

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 (PEAK DAY 1, HOUR   5.083)
 101.167     49.0351     20.15  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.167)
 101.250     49.1745     20.24  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.250)
 101.333     49.3146     20.34  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.333)
 101.417     49.4553     20.43  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.417)
 101.500     49.5967     20.53  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.500)
 101.583     49.7388     20.63  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.583)
 101.667     49.8815     20.73  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.667)
 101.750     50.0250     20.83  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.750)
 101.833     50.1692     20.93  .Q        . V       .         .         .
 (PEAK DAY 1, HOUR   5.833)
 101.917     50.3140     21.04  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   5.917)
 102.000     50.4596     21.14  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.000)
 102.083     50.6060     21.25  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.083)
 102.167     50.7531     21.36  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.167)
 102.250     50.9009     21.47  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.250)
 102.333     51.0495     21.58  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.333)
 102.417     51.1989     21.69  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.417)
 102.500     51.3491     21.80  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.500)
 102.583     51.5000     21.92  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.583)
 102.667     51.6518     22.04  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.667)
 102.750     51.8044     22.16  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.750)
 102.833     51.9578     22.28  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.833)
 102.917     52.1121     22.40  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   6.917)
 103.000     52.2672     22.52  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.000)
 103.083     52.4232     22.65  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.083)
 103.167     52.5800     22.78  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.167)
 103.250     52.7378     22.91  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.250)
 103.333     52.8965     23.04  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.333)
 103.417     53.0560     23.17  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.417)
 103.500     53.2166     23.31  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.500)
 103.583     53.3780     23.44  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.583)
 103.667     53.5404     23.58  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.667)
 103.750     53.7038     23.73  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.750)
 103.833     53.8682     23.87  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.833)
 103.917     54.0336     24.02  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR   7.917)
 104.000     54.2001     24.16  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.000)
 104.083     54.3675     24.32  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.083)
 104.167     54.5361     24.47  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.167)
 104.250     54.7057     24.63  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.250)
 104.333     54.8764     24.78  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.333)
 104.417     55.0482     24.95  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.417)
 104.500     55.2211     25.11  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.500)
 104.583     55.3952     25.28  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.583)
 104.667     55.5705     25.45  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.667)
 104.750     55.7469     25.62  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.750)
 104.833     55.9246     25.80  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.833)
 104.917     56.1035     25.98  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   8.917)
 105.000     56.2836     26.16  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.000)
 105.083     56.4651     26.35  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.083)
 105.167     56.6478     26.53  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.167)
 105.250     56.8319     26.73  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.250)
 105.333     57.0173     26.92  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
 105.417     57.2041     27.13  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
 105.500     57.3923     27.33  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
 105.583     57.5820     27.54  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
 105.667     57.7731     27.75  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
 105.750     57.9657     27.97  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
 105.833     58.1598     28.19  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.833)
 105.917     58.3555     28.41  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR   9.917)
 106.000     58.5528     28.64  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.000)
 106.083     58.7517     28.88  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.083)
 106.167     58.9523     29.12  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.167)
 106.250     59.1545     29.37  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.250)
 106.333     59.3585     29.62  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.333)
 106.417     59.5643     29.88  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.417)
 106.500     59.7718     30.14  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
 106.583     59.9813     30.41  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
 106.667     60.1926     30.68  .Q        .    V    .         .         .
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 (PEAK DAY 1, HOUR  10.667)
106.750     60.4058     30.97  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833     60.6211     31.25  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917     60.8384     31.55  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000     61.0578     31.85  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083     61.2793     32.17  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167     61.5030     32.48  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250     61.7290     32.81  .Q        .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333     61.9573     33.15  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417     62.1880     33.50  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500     62.4211     33.85  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583     62.6567     34.21  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667     62.8950     34.59  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750     63.1358     34.98  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833     63.3794     35.37  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917     63.6259     35.78  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000     63.8752     36.20  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083     64.1287     36.80  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167     64.3896     37.88  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250     64.6632     39.74  .Q        .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333     64.9529     42.06  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417     65.2611     44.75  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500     65.5850     47.04  . Q       .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583     65.9215     48.85  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667     66.2684     50.37  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750     66.6252     51.80  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833     66.9912     53.15  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917     67.3665     54.49  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000     67.7512     55.86  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083     68.1459     57.30  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167     68.5507     58.79  . Q       .      V  .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250     68.9661     60.31  .  Q      .      V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333     69.3921     61.87  .  Q      .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417     69.8296     63.52  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500     70.2787     65.21  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583     70.7402     67.01  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667     71.2144     68.86  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750     71.7022     70.83  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833     72.2041     72.87  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917     72.7209     75.04  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000     73.2533     77.30  .  Q      .       V .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083     73.8026     79.76  .  Q      .        V.         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167     74.3704     82.45  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250     74.9596     85.54  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333     75.5717     88.89  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417     76.2090     92.53  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500     76.8715     96.20  .   Q     .        V.         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583     77.5600     99.96  .   Q     .         V         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667     78.2749    103.81  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750     79.0182    107.93  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833     79.7914    112.27  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917     80.5973    117.01  .    Q    .         V         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000     81.4383    122.11  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.000)
111.083     82.3183    127.78  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.083)
111.167     83.2408    133.95  .     Q   .         .V        .         .
 (PEAK DAY 1, HOUR  15.167)
111.250     84.2112    140.89  .      Q  .         .V        .         .
 (PEAK DAY 1, HOUR  15.250)
111.333     85.2343    148.56  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.333)
111.417     86.3140    156.77  .      Q  .         . V       .         .
 (PEAK DAY 1, HOUR  15.417)
111.500     87.4461    164.38  .       Q .         . V       .         .
 (PEAK DAY 1, HOUR  15.500)
111.583     88.6237    170.99  .       Q .         . V       .         .
 (PEAK DAY 1, HOUR  15.583)
111.667     89.8487    177.87  .       Q .         .  V      .         .
 (PEAK DAY 1, HOUR  15.667)
111.750     91.1366    187.00  .        Q.         .  V      .         .
 (PEAK DAY 1, HOUR  15.750)
111.833     92.5291    202.19  .         Q         .  V      .         .
 (PEAK DAY 1, HOUR  15.833)
111.917     94.0982    227.84  .         .Q        .   V     .         .
 (PEAK DAY 1, HOUR  15.917)
112.000     95.9486    268.68  .         .  Q      .   V     .         .
 (PEAK DAY 1, HOUR  16.000)
112.083     98.3970    355.50  .         .     Q   .    V    .         .
 (PEAK DAY 1, HOUR  16.083)
112.167    101.8439    500.50  .         .         .    QV   .         .
 (PEAK DAY 1, HOUR  16.167)
112.250    106.5117    677.76  .         .         .      V  .  Q      .
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(PEAK DAY 1, HOUR  16.250)
112.333    111.8129    769.73  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  16.333)
112.417    117.2284    786.33  .         .         .         V       Q.
(PEAK DAY 1, HOUR  16.417)
112.500    121.6811    646.54  .         .         .         .VQ       .
(PEAK DAY 1, HOUR  16.500)
112.583    124.9948    481.15  .         .         .   Q     . V       .
(PEAK DAY 1, HOUR  16.583)
112.667    127.4627    358.33  .         .      Q  .         . V       .
(PEAK DAY 1, HOUR  16.667)
112.750    129.3967    280.83  .         .   Q     .         .  V      .
(PEAK DAY 1, HOUR  16.750)
112.833    130.9455    224.88  .         .Q        .         .  V      .
(PEAK DAY 1, HOUR  16.833)
112.917    132.2140    184.19  .        Q.         .         .   V     .
(PEAK DAY 1, HOUR  16.917)
113.000    133.3513    165.13  .       Q .         .         .   V     .
(PEAK DAY 1, HOUR  17.000)
113.083    134.3849    150.08  .      Q  .         .         .   V     .
(PEAK DAY 1, HOUR  17.083)
113.167    135.3235    136.28  .     Q   .         .         .   V     .
(PEAK DAY 1, HOUR  17.167)
113.250    136.1315    117.32  .    Q    .         .         .    V    .
(PEAK DAY 1, HOUR  17.250)
113.333    136.8693    107.13  .    Q    .         .         .    V    .
(PEAK DAY 1, HOUR  17.333)
113.417    137.5491     98.70  .   Q     .         .         .    V    .
(PEAK DAY 1, HOUR  17.417)
113.500    138.1786     91.40  .   Q     .         .         .    V    .
(PEAK DAY 1, HOUR  17.500)
113.583    138.7664     85.36  .   Q     .         .         .    V    .
(PEAK DAY 1, HOUR  17.583)
113.667    139.3183     80.13  .   Q     .         .         .     V   .
(PEAK DAY 1, HOUR  17.667)
113.750    139.8382     75.50  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  17.750)
113.833    140.3296     71.35  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  17.833)
113.917    140.7949     67.57  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  17.917)
114.000    141.2367     64.15  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.000)
114.083    141.6554     60.80  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.083)
114.167    142.0503     57.33  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.167)
114.250    142.4188     53.51  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.250)
114.333    142.7600     49.55  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.333)
114.417    143.0749     45.72  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.417)
114.500    143.3691     42.72  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  18.500)
114.583    143.6481     40.51  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  18.583)
114.667    143.9151     38.78  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.667)
114.750    144.1721     37.31  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.750)
114.833    144.4216     36.23  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.833)
114.917    144.6648     35.31  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  18.917)
115.000    144.9020     34.45  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.000)
115.083    145.1332     33.56  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.083)
115.167    145.3579     32.63  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.167)
115.250    145.5779     31.94  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.250)
115.333    145.7936     31.32  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.333)
115.417    146.0053     30.74  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.417)
115.500    146.2132     30.18  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.500)
115.583    146.4174     29.65  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.583)
115.667    146.6181     29.15  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.667)
115.750    146.8156     28.67  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.750)
115.833    147.0098     28.20  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  19.833)
115.917    147.2010     27.76  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  19.917)
116.000    147.3893     27.34  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.000)
116.083    147.5748     26.93  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.083)
116.167    147.7575     26.54  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.167)
116.250    147.9377     26.16  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.250)
116.333    148.1153     25.80  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.333)
116.417    148.2906     25.44  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.417)
116.500    148.4634     25.10  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.500)
116.583    148.6340     24.76  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.583)
116.667    148.8022     24.43  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.667)
116.750    148.9682     24.10  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.750)
116.833    149.1315     23.71  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.833)
116.917    149.2927     23.41  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.917)
117.000    149.4519     23.12  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.000)
117.083    149.6093     22.85  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.083)
117.167    149.7649     22.59  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.167)
117.250    149.9187     22.34  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.250)
117.333    150.0708     22.09  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.333)
117.417    150.2213     21.85  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.417)
117.500    150.3702     21.62  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.500)
117.583    150.5176     21.40  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.583)
117.667    150.6634     21.18  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.667)
117.750    150.8078     20.96  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.750)
117.833    150.9508     20.76  .Q        .         .         .        V.
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(PEAK DAY 1, HOUR 21.833)
117.917 151.0923 20.56 .Q . . . V.
(PEAK DAY 1, HOUR 21.917)
118.000 151.2325 20.36 .Q . . . V.
(PEAK DAY 1, HOUR 22.000)
118.083 151.3714 20.17 .Q . . . V.
(PEAK DAY 1, HOUR 22.083)
118.167 151.5090 19.98 Q . . . V.
(PEAK DAY 1, HOUR 22.167)
118.250 151.6454 19.80 Q . . . V.
(PEAK DAY 1, HOUR 22.250)
118.333 151.7805 19.62 Q . . . V.
(PEAK DAY 1, HOUR 22.333)
118.417 151.9144 19.45 Q . . . V.
(PEAK DAY 1, HOUR 22.417)
118.500 152.0472 19.28 Q . . . V.
(PEAK DAY 1, HOUR 22.500)
118.583 152.1788 19.11 Q . . . V.
(PEAK DAY 1, HOUR 22.583)
118.667 152.3093 18.95 Q . . . V.
(PEAK DAY 1, HOUR 22.667)
118.750 152.4387 18.79 Q . . . V.
(PEAK DAY 1, HOUR 22.750)
118.833 152.5670 18.63 Q . . . V.
(PEAK DAY 1, HOUR 22.833)
118.917 152.6943 18.48 Q . . . V.
(PEAK DAY 1, HOUR 22.917)
119.000 152.8205 18.33 Q . . . V.
(PEAK DAY 1, HOUR 23.000)
119.083 152.9458 18.19 Q . . . V.
(PEAK DAY 1, HOUR 23.083)
119.167 153.0701 18.05 Q . . . V.
(PEAK DAY 1, HOUR 23.167)
119.250 153.1934 17.91 Q . . . V.
(PEAK DAY 1, HOUR 23.250)
119.333 153.3158 17.77 Q . . . V.
(PEAK DAY 1, HOUR 23.333)
119.417 153.4372 17.64 Q . . . V.
(PEAK DAY 1, HOUR 23.417)
119.500 153.5578 17.50 Q . . . V.
(PEAK DAY 1, HOUR 23.500)
119.583 153.6774 17.38 Q . . . V.
(PEAK DAY 1, HOUR 23.583)
119.667 153.7962 17.25 Q . . . V.
(PEAK DAY 1, HOUR 23.667)
119.750 153.9142 17.12 Q . . . V.
(PEAK DAY 1, HOUR 23.750)
119.833 154.0313 17.00 Q . . . V.
(PEAK DAY 1, HOUR 23.833)
119.917 154.1475 16.88 Q . . . V.
(PEAK DAY 1, HOUR 23.917)
120.000 154.2630 16.77 Q . . . V.
(PEAK DAY 1, HOUR 24.000)
120.083 154.3759 16.39 Q . . . V.
(PEAK DAY 1, HOUR 24.083)
120.167 154.4811 15.28 Q . . . V.
(PEAK DAY 1, HOUR 24.167)
120.250 154.5705 12.98 Q . . . V.
(PEAK DAY 1, HOUR 24.250)
120.333 154.6393 9.99 Q . . . V.
(PEAK DAY 1, HOUR 24.333)
120.417 154.6846 6.58 Q . . . V.
(PEAK DAY 1, HOUR 24.417)
120.500 154.7121 3.98 Q . . . V.
(PEAK DAY 1, HOUR 24.500)
120.583 154.7285 2.38 Q . . . V.
(PEAK DAY 1, HOUR 24.583)
120.667 154.7386 1.47 Q . . . V.
(PEAK DAY 1, HOUR 24.667)
120.750 154.7450 0.92 Q . . . V.
(PEAK DAY 1, HOUR 24.750)
120.833 154.7493 0.63 Q . . . V.
(PEAK DAY 1, HOUR 24.833)
120.917 154.7528 0.50 Q . . . V.
(PEAK DAY 1, HOUR 24.917)
121.000 154.7555 0.40 Q . . . V.
(PEAK DAY 1, HOUR 25.000)
121.083 154.7576 0.30 Q . . . V.
(PEAK DAY 1, HOUR 25.083)
121.167 154.7589 0.20 Q . . . V.
(PEAK DAY 1, HOUR 25.167)
121.250 154.7602 0.18 Q . . . V.
(PEAK DAY 1, HOUR 25.250)
121.333 154.7613 0.16 Q . . . V.
(PEAK DAY 1, HOUR 25.333)
121.417 154.7623 0.14 Q . . . V.
(PEAK DAY 1, HOUR 25.417)
121.500 154.7632 0.13 Q . . . V.
(PEAK DAY 1, HOUR 25.500)
121.583 154.7640 0.12 Q . . . V.
(PEAK DAY 1, HOUR 25.583)
121.667 154.7648 0.11 Q . . . V.
(PEAK DAY 1, HOUR 25.667)
121.750 154.7655 0.11 Q . . . V.
(PEAK DAY 1, HOUR 25.750)
121.833 154.7662 0.10 Q . . . V.
(PEAK DAY 1, HOUR 25.833)
121.917 154.7668 0.09 Q . . . V.
(PEAK DAY 1, HOUR 25.917)
122.000 154.7674 0.08 Q . . . V.
(PEAK DAY 1, HOUR 26.000)
122.083 154.7679 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.083)
122.167 154.7683 0.07 Q . . . V.
(PEAK DAY 1, HOUR 26.167)
122.250 154.7688 0.06 Q . . . V.
(PEAK DAY 1, HOUR 26.250)
122.333 154.7691 0.05 Q . . . V.
(PEAK DAY 1, HOUR 26.333)
122.417 154.7695 0.05 Q . . . V.
(PEAK DAY 1, HOUR 26.417)
122.500 154.7697 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.500)
122.583 154.7700 0.04 Q . . . V.
(PEAK DAY 1, HOUR 26.583)
122.667 154.7702 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.667)
122.750 154.7704 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.750)
122.833 154.7706 0.03 Q . . . V.
(PEAK DAY 1, HOUR 26.833)
122.917 154.7708 0.02 Q . . . V.
(PEAK DAY 1, HOUR 26.917)
123.000 154.7709 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.000)
123.083 154.7710 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.083)
123.167 154.7711 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.167)
123.250 154.7712 0.02 Q . . . V.
(PEAK DAY 1, HOUR 27.250)
123.333 154.7713 0.01 Q . . . V.
(PEAK DAY 1, HOUR 27.333)
123.417 154.7714 0.01 Q . . . V.

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 (PEAK DAY 1, HOUR  27.417)
 123.500    154.7715      0.01  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.500)
 123.583    154.7716      0.01  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.583)
 123.667    154.7717      0.01  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.667)
 123.750    154.7718      0.01  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.750)
 123.833    154.7718      0.01  Q         .         .         .        V.
 (PEAK DAY 1, HOUR  27.833)
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  7291.1 Ac. ***
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS



********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  7291.1 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1375.0    2750.0    4125.0    5500.0
--------------------------------------------------------------------------------
  96.000    847.7621     93.14  Q         V         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    848.4042     93.22  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    849.0695     96.61  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    849.7926    104.99  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    850.6028    117.64  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    851.5078    131.40  Q         V         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    852.5042    144.68  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    853.5919    157.94  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    854.7686    170.85  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    856.0334    183.65  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    857.3990    198.28  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    858.8920    216.78  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    860.5327    238.22  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    862.3155    258.87  .Q        V         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    864.2156    275.89  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    866.2058    288.98  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    868.2660    299.14  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    870.3824    307.30  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    872.5458    314.14  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    874.7499    320.03  . Q       V         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    876.9896    325.20  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    879.2610    329.82  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    881.5612    333.99  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    883.8877    337.80  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    886.2382    341.30  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    888.6108    344.50  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    891.0035    347.42  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    893.4146    350.08  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    895.8425    352.55  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    898.2863    354.83  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    900.7445    356.93  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    903.2156    358.81  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    905.6985    360.52  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    908.1925    362.13  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    910.6973    363.69  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    913.2127    365.24  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    915.7388    366.79  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    918.2756    368.34  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    920.8232    369.90  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    923.3815    371.47  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    925.9507    373.05  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    928.5309    374.64  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    931.1222    376.25  . Q       .V        .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    933.7247    377.88  . Q       .V        .         .         .
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(PEAK DAY 1, HOUR 3.583)
99.667 936.3384 379.52 . Q .V . . .
(PEAK DAY 1, HOUR 3.667)
99.750 938.9636 381.17 . Q .V . . .
(PEAK DAY 1, HOUR 3.750)
99.833 941.6003 382.84 . Q .V . . .
(PEAK DAY 1, HOUR 3.833)
99.917 944.2485 384.53 . Q .V . . .
(PEAK DAY 1, HOUR 3.917)
100.000 946.9085 386.23 . Q .V . . .
(PEAK DAY 1, HOUR 4.000)
100.083 949.5803 387.95 . Q .V . . .
(PEAK DAY 1, HOUR 4.083)
100.167 952.2640 389.68 . Q .V . . .
(PEAK DAY 1, HOUR 4.167)
100.250 954.9598 391.42 . Q .V . . .
(PEAK DAY 1, HOUR 4.250)
100.333 957.6675 393.16 . Q . V . . .
(PEAK DAY 1, HOUR 4.333)
100.417 960.3870 394.87 . Q . V . . .
(PEAK DAY 1, HOUR 4.417)
100.500 963.1182 396.57 . Q . V . . .
(PEAK DAY 1, HOUR 4.500)
100.583 965.8610 398.26 . Q . V . . .
(PEAK DAY 1, HOUR 4.583)
100.667 968.6155 399.96 . Q . V . . .
(PEAK DAY 1, HOUR 4.667)
100.750 971.3818 401.67 . Q . V . . .
(PEAK DAY 1, HOUR 4.750)
100.833 974.1600 403.39 . Q . V . . .
(PEAK DAY 1, HOUR 4.833)
100.917 976.9503 405.14 . Q . V . . .
(PEAK DAY 1, HOUR 4.917)
101.000 979.7526 406.90 . Q . V . . .
(PEAK DAY 1, HOUR 5.000)
101.083 982.5673 408.68 . Q . V . . .
(PEAK DAY 1, HOUR 5.083)
101.167 985.3943 410.49 . Q . V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 988.2339 412.31 . Q . V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 991.0862 414.16 . Q . V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 993.9514 416.03 . Q . V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 996.8297 417.92 . Q . V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 999.7210 419.83 . Q . V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 1002.6257 421.76 . Q . V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 1005.5439 423.72 . Q . V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 1008.4757 425.70 . Q . V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 1011.4214 427.71 . Q . V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 1014.3810 429.74 . Q . V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 1017.3549 431.80 . Q . V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 1020.3430 433.88 . Q . V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 1023.3457 435.99 . Q . V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 1026.3630 438.12 . Q . V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 1029.3953 440.29 . Q . V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 1032.4426 442.48 . Q . V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 1035.5052 444.70 . Q . V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 1038.5834 446.95 . Q . V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 1041.6772 449.23 . Q . V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 1044.7870 451.54 . Q . V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 1047.9128 453.87 . Q . V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 1051.0548 456.21 . Q . V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 1054.2122 458.44 . Q . V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 1057.3833 460.45 . Q . V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 1060.5665 462.20 . Q . V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 1063.7610 463.84 . Q . V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 1066.9668 465.49 . Q . V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 1070.1847 467.23 . Q . V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 1073.4154 469.10 . Q . V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 1076.6598 471.08 . Q . V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 1079.9186 473.18 . Q . V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 1083.1926 475.39 . Q . V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 1086.4825 477.69 . Q . V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 1089.7889 480.08 . Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 1093.1123 482.55 . Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 1096.4532 485.11 . Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 1099.8123 487.74 . Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 1103.1899 490.43 . Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 1106.5867 493.20 . Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 1110.0028 496.03 . Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 1113.4390 498.92 . Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 1116.8955 501.88 . Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 1120.3728 504.90 . Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 1123.8713 507.98 . Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 1127.3915 511.12 . Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 1130.9336 514.32 . Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 1134.4983 517.59 . Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 1138.0858 520.91 . Q . V . . .

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 (PEAK DAY 1, HOUR   9.167)
105.250   1141.6967    524.30  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.250)
105.333   1145.3311    527.72  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.333)
105.417   1148.9888    531.10  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.417)
105.500   1152.6683    534.28  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.500)
105.583   1156.3683    537.23  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.583)
105.667   1160.0874    540.02  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750   1163.8257    542.79  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833   1167.5834    545.62  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917   1171.3612    548.54  .  Q      .   V     .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000   1175.1599    551.57  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083   1178.9802    554.70  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167   1182.8229    557.95  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250   1186.6887    561.31  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333   1190.5785    564.79  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417   1194.4929    568.38  .   Q     .   V     .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500   1198.4329    572.08  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583   1202.3990    575.90  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667   1206.3923    579.83  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750   1210.4136    583.88  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833   1214.4635    588.06  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917   1218.5430    592.35  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000   1222.6530    596.76  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083   1226.7941    601.29  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167   1230.9668    605.88  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250   1235.1705    610.38  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333   1239.4042    614.72  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417   1243.6670    618.96  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500   1247.9591    623.22  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583   1252.2811    627.56  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667   1256.6340    632.04  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750   1261.0187    636.66  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833   1265.4363    641.44  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917   1269.8881    646.39  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000   1274.3751    651.51  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083   1278.9064    657.94  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167   1283.5166    669.41  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250   1288.2560    688.16  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333   1293.1648    712.76  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417   1298.2438    737.47  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500   1303.4740    759.42  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583   1308.8392    779.04  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667   1314.3217    796.05  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750   1319.9039    810.54  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833   1325.5750    823.43  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917   1331.3293    835.53  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000   1337.1658    847.44  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083   1343.0851    859.49  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167   1349.0898    871.89  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250   1355.1827    884.68  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333   1361.3668    897.93  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417   1367.6451    911.61  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500   1374.0211    925.78  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583   1380.4982    940.46  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667   1387.0802    955.72  .     Q   .      V  .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750   1393.7716    971.58  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833   1400.5768    988.11  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917   1407.4996   1005.20  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000   1414.5432   1022.73  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083   1421.7130   1041.06  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167   1429.0262   1061.87  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250   1436.5068   1086.19  .      Q  .       V .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333   1444.1757   1113.52  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417   1452.0371   1141.48  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500   1460.0892   1169.18  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583   1468.3352   1197.31  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667   1476.7833   1226.68  .       Q .       V .         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750   1485.4467   1257.91  .        Q.       V .         .         .
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 (PEAK DAY 1, HOUR  14.750)
110.833   1494.3434   1291.80  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917   1503.4945   1328.75  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000   1512.9248   1369.27  .        Q.       V .         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083   1522.6615   1413.77  .         Q        V.         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167   1532.7358   1462.79  .         Q        V.         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250   1543.1794   1516.41  .         .Q       V.         .         .
 (PEAK DAY 1, HOUR  15.250)
111.333   1554.0271   1575.09  .         .Q       V.         .         .
 (PEAK DAY 1, HOUR  15.333)
111.417   1565.2999   1636.81  .         .Q       V.         .         .
 (PEAK DAY 1, HOUR  15.417)
111.500   1576.9690   1694.34  .         . Q      V.         .         .
 (PEAK DAY 1, HOUR  15.500)
111.583   1588.9791   1743.87  .         . Q      V.         .         .
 (PEAK DAY 1, HOUR  15.583)
111.667   1601.3203   1791.94  .         .  Q      V         .         .
 (PEAK DAY 1, HOUR  15.667)
111.750   1614.1051   1856.36  .         .  Q      V         .         .
 (PEAK DAY 1, HOUR  15.750)
111.833   1627.5607   1953.74  .         .   Q     V         .         .
 (PEAK DAY 1, HOUR  15.833)
111.917   1642.0214   2099.69  .         .    Q    V         .         .
 (PEAK DAY 1, HOUR  15.917)
112.000   1658.0869   2332.72  .         .     Q   V         .         .
 (PEAK DAY 1, HOUR  16.000)
112.083   1677.2804   2786.89  .         .         QV        .         .
 (PEAK DAY 1, HOUR  16.083)
112.167   1702.3569   3641.11  .         .         .V    Q   .         .
 (PEAK DAY 1, HOUR  16.167)
112.250   1734.4481   4659.63  .         .         .V        .  Q      .
 (PEAK DAY 1, HOUR  16.250)
112.333   1771.5573   5388.25  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  16.333)
112.417   1809.2753   5476.65  .         .         . V       .        Q.
 (PEAK DAY 1, HOUR  16.417)
112.500   1844.7489   5150.77  .         .         .  V      .      Q  .
 (PEAK DAY 1, HOUR  16.500)
112.583   1877.2103   4713.41  .         .         .  V      .   Q     .
 (PEAK DAY 1, HOUR  16.583)
112.667   1905.6206   4125.16  .         .         .  V     Q          .
 (PEAK DAY 1, HOUR  16.667)
112.750   1929.6925   3495.23  .         .         .   VQ    .         .
 (PEAK DAY 1, HOUR  16.750)
112.833   1950.1908   2976.35  .         .         .Q  V     .         .
 (PEAK DAY 1, HOUR  16.833)
112.917   1968.0515   2593.38  .         .       Q .   V     .         .
 (PEAK DAY 1, HOUR  16.917)
113.000   1984.0458   2322.36  .         .     Q   .   V     .         .
 (PEAK DAY 1, HOUR  17.000)
113.083   1998.6793   2124.80  .         .    Q    .    V    .         .
 (PEAK DAY 1, HOUR  17.083)
113.167   2012.3068   1978.70  .         .   Q     .    V    .         .
 (PEAK DAY 1, HOUR  17.167)
113.250   2025.0970   1857.15  .         .  Q      .    V    .         .
 (PEAK DAY 1, HOUR  17.250)
113.333   2037.2064   1758.27  .         . Q       .    V    .         .
 (PEAK DAY 1, HOUR  17.333)
113.417   2048.7283   1672.99  .         . Q       .    V    .         .
 (PEAK DAY 1, HOUR  17.417)
113.500   2059.7671   1602.84  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  17.500)
113.583   2070.4224   1547.14  .         .Q        .    V    .         .
 (PEAK DAY 1, HOUR  17.583)
113.667   2080.7734   1502.98  .         Q         .    V    .         .
 (PEAK DAY 1, HOUR  17.667)
113.750   2090.8789   1467.31  .         Q         .    V    .         .
 (PEAK DAY 1, HOUR  17.750)
113.833   2100.7761   1437.08  .         Q         .    V    .         .
 (PEAK DAY 1, HOUR  17.833)
113.917   2110.4900   1410.47  .         Q         .    V    .         .
 (PEAK DAY 1, HOUR  17.917)
114.000   2120.0378   1386.36  .         Q         .    V    .         .
 (PEAK DAY 1, HOUR  18.000)
114.083   2129.4211   1362.47  .        Q.         .    V    .         .
 (PEAK DAY 1, HOUR  18.083)
114.167   2138.6189   1335.52  .        Q.         .    V    .         .
 (PEAK DAY 1, HOUR  18.167)
114.250   2147.5984   1303.83  .        Q.         .    V    .         .
 (PEAK DAY 1, HOUR  18.250)
114.333   2156.3340   1268.41  .        Q.         .     V   .         .
 (PEAK DAY 1, HOUR  18.333)
114.417   2164.8386   1234.87  .       Q .         .     V   .         .
 (PEAK DAY 1, HOUR  18.417)
114.500   2173.1504   1206.88  .       Q .         .     V   .         .
 (PEAK DAY 1, HOUR  18.500)
114.583   2181.2993   1183.22  .       Q .         .     V   .         .
 (PEAK DAY 1, HOUR  18.583)
114.667   2189.3059   1162.57  .       Q .         .     V   .         .
 (PEAK DAY 1, HOUR  18.667)
114.750   2197.1897   1144.73  .       Q .         .     V   .         .
 (PEAK DAY 1, HOUR  18.750)
114.833   2204.9717   1129.94  .       Q .         .     V   .         .
 (PEAK DAY 1, HOUR  18.833)
114.917   2212.6689   1117.66  .       Q .         .     V   .         .
 (PEAK DAY 1, HOUR  18.917)
115.000   2220.2910   1106.71  .       Q .         .     V   .         .
 (PEAK DAY 1, HOUR  19.000)
115.083   2227.8420   1096.41  .      Q  .         .     V   .         .
 (PEAK DAY 1, HOUR  19.083)
115.167   2235.3286   1087.04  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  19.167)
115.250   2242.7600   1079.05  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  19.250)
115.333   2250.1418   1071.86  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  19.333)
115.417   2257.4785   1065.27  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  19.417)
115.500   2264.7734   1059.22  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  19.500)
115.583   2272.0291   1053.52  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  19.583)
115.667   2279.2461   1047.93  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  19.667)
115.750   2286.4263   1042.56  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  19.750)
115.833   2293.5710   1037.43  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  19.833)
115.917   2300.6804   1032.29  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  19.917)
116.000   2307.7537   1027.02  .      Q  .         .      V  .         .
 (PEAK DAY 1, HOUR  20.000)
116.083   2314.7913   1021.85  .      Q  .         .       V.         .
 (PEAK DAY 1, HOUR  20.083)
116.167   2321.7957   1017.02  .      Q  .         .       V.         .
 (PEAK DAY 1, HOUR  20.167)
116.250   2328.7690   1012.53  .      Q  .         .       V.         .
 (PEAK DAY 1, HOUR  20.250)
116.333   2335.7129   1008.24  .      Q  .         .       V.         .
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 (PEAK DAY 1, HOUR  20.333)
116.417   2342.6277   1004.04  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  20.417)
116.500   2349.5122    999.64  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  20.500)
116.583   2356.3660    995.15  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  20.583)
116.667   2363.1907    990.95  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  20.667)
116.750   2369.9890    987.10  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  20.750)
116.833   2376.7620    983.42  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  20.833)
116.917   2383.5110    979.97  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  20.917)
117.000   2390.2371    976.61  .      Q  .         .        V.         .
 (PEAK DAY 1, HOUR  21.000)
117.083   2396.9402    973.30  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.083)
117.167   2403.6211    970.08  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.167)
117.250   2410.2808    966.99  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.250)
117.333   2416.9199    963.99  .      Q  .         .         V         .
 (PEAK DAY 1, HOUR  21.333)
117.417   2423.5388    961.06  .     Q   .         .         V         .
 (PEAK DAY 1, HOUR  21.417)
117.500   2430.1379    958.19  .     Q   .         .         V         .
 (PEAK DAY 1, HOUR  21.500)
117.583   2436.7175    955.37  .     Q   .         .         V         .
 (PEAK DAY 1, HOUR  21.583)
117.667   2443.2781    952.60  .     Q   .         .         V         .
 (PEAK DAY 1, HOUR  21.667)
117.750   2449.8201    949.89  .     Q   .         .         V         .
 (PEAK DAY 1, HOUR  21.750)
117.833   2456.3438    947.24  .     Q   .         .         V         .
 (PEAK DAY 1, HOUR  21.833)
117.917   2462.8496    944.64  .     Q   .         .         V         .
 (PEAK DAY 1, HOUR  21.917)
118.000   2469.3379    942.12  .     Q   .         .         V         .
 (PEAK DAY 1, HOUR  22.000)
118.083   2475.8093    939.64  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.083)
118.167   2482.2639    937.21  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.167)
118.250   2488.7019    934.81  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.250)
118.333   2495.1238    932.45  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.333)
118.417   2501.5295    930.13  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.417)
118.500   2507.9197    927.84  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.500)
118.583   2514.2942    925.58  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.583)
118.667   2520.6533    923.35  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.667)
118.750   2526.9973    921.16  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.750)
118.833   2533.3264    918.99  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.833)
118.917   2539.6409    916.84  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  22.917)
119.000   2545.9407    914.73  .     Q   .         .         .V        .
 (PEAK DAY 1, HOUR  23.000)
119.083   2552.2261    912.63  .     Q   .         .         . V       .
 (PEAK DAY 1, HOUR  23.083)
119.167   2558.4971    910.56  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  23.167)
119.250   2564.7542    908.52  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  23.250)
119.333   2570.9973    906.49  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  23.333)
119.417   2577.2266    904.49  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  23.417)
119.500   2583.4421    902.50  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  23.500)
119.583   2589.6443    900.54  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  23.583)
119.667   2595.8330    898.60  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  23.667)
119.750   2602.0085    896.67  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  23.750)
119.833   2608.1709    894.78  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  23.833)
119.917   2614.3206    892.92  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  23.917)
120.000   2620.4575    891.10  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  24.000)
120.083   2626.5752    888.30  .     Q   .         .         .  V      .
 (PEAK DAY 1, HOUR  24.083)
120.167   2632.6445    881.28  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  24.167)
120.250   2638.6216    867.88  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  24.250)
120.333   2644.4692    849.08  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  24.333)
120.417   2650.1797    829.15  .     Q   .         .         .   V     .
 (PEAK DAY 1, HOUR  24.417)
120.500   2655.7632    810.72  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  24.500)
120.583   2661.2327    794.15  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  24.583)
120.667   2666.6099    780.77  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  24.667)
120.750   2671.9207    771.11  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  24.750)
120.833   2677.1848    764.35  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  24.833)
120.917   2682.4160    759.56  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  24.917)
121.000   2687.6226    755.97  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  25.000)
121.083   2692.8093    753.13  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  25.083)
121.167   2697.9792    750.68  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  25.167)
121.250   2703.1343    748.51  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  25.250)
121.333   2708.2756    746.52  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  25.333)
121.417   2713.4041    744.64  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  25.417)
121.500   2718.5195    742.76  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  25.500)
121.583   2723.6208    740.69  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  25.583)
121.667   2728.7063    738.41  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  25.667)
121.750   2733.7751    735.98  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  25.750)
121.833   2738.8267    733.47  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  25.833)
121.917   2743.8608    730.95  .    Q    .         .         .    V    .
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 (PEAK DAY 1, HOUR  25.917)
122.000   2748.8774    728.43  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  26.000)
122.083   2753.8770    725.92  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  26.083)
122.167   2758.8594    723.44  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  26.167)
122.250   2763.8247    720.97  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  26.250)
122.333   2768.7732    718.53  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  26.333)
122.417   2773.7051    716.11  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  26.417)
122.500   2778.6204    713.71  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  26.500)
122.583   2783.5193    711.33  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  26.583)
122.667   2788.4021    708.98  .    Q    .         .         .   V     .
 (PEAK DAY 1, HOUR  26.667)
122.750   2793.2688    706.65  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  26.750)
122.833   2798.1196    704.33  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  26.833)
122.917   2802.9543    702.00  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  26.917)
123.000   2807.7729    699.66  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  27.000)
123.083   2812.5754    697.32  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  27.083)
123.167   2817.3618    694.99  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  27.167)
123.250   2822.1323    692.67  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  27.250)
123.333   2826.8870    690.36  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  27.333)
123.417   2831.6257    688.06  .    Q    .         .         .    V    .
 (PEAK DAY 1, HOUR  27.417)
123.500   2836.3486    685.76  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  27.500)
123.583   2841.0557    683.47  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  27.583)
123.667   2845.7471    681.19  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  27.667)
123.750   2850.4229    678.92  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  27.750)
123.833   2855.0830    676.66  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  27.833)
123.917   2859.7275    674.40  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  27.917)
124.000   2864.3567    672.16  .   Q     .         .         .    V    .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================

  END OF FLOODSCx ROUTING ANALYSIS
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             F L O O D    R O U T I N G    A N A L Y S I S
             USING COUNTY HYDROLOGY MANUAL OF ORANGE(1986)
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             Ver. 8.0  Release Date: 01/01/2003  License ID 1202

                         Analysis prepared by:

                         Huitt - Zollars, Inc.
                        430 Exchange, Suite 200
                         Irvine, CA. 92602-1309
                            714 - 734 - 5100

 ************************ DESCRIPTION OF STUDY ************************
*                                                                        *
*                                                                        *
*                                                                        *
 **************************************************************************

  FILE NAME: CP63CHO5.FLD
  TIME/DATE OF STUDY: 13:24 04/01/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    780.00 IS CODE =   1
--------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  4741.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
==========================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

         WATERSHED AREA =    4741.300 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.480 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  1.000
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
         +------------------+--------+--------+--------+--------+--------+
         | RAINFALL DEPTHS & |        |        |        |        |        |
         |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
         |==================+========+========+========+========+========|
         | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
         |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
         |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
         |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
         |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
         |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
         |==================+========+========+========+========+========|
         | LOSS RATE(IN/HR)  |   0.190|   0.190|   0.190|   0.190|   0.190|
         | LOW LOSS FRACTION |   0.550|   0.750|   0.900|   0.970|   0.990|
         +------------------+--------+--------+--------+--------+--------+
           5-MINUTE FACTOR = 0.793
          30-MINUTE FACTOR = 0.793
           1-HOUR FACTOR = 0.793
           3-HOUR FACTOR = 0.969
           6-HOUR FACTOR = 0.984
          24-HOUR FACTOR = 0.990

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  17.361


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


==========================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------
```

INTERVAL NUMBER	"S" GRAPH MEAN VALUES	UNIT HYDROGRAPH ORDINATES(CFS)
1	1.137	652.130
2	4.082	1688.625
3	8.525	2547.514
4	14.577	3470.279
5	24.203	5519.575
6	43.203	10894.611
7	57.937	8448.228
8	65.484	4327.674
9	70.911	3111.621
10	75.443	2599.076
11	78.982	2029.171
12	82.133	1806.516
13	84.749	1499.854
14	87.075	1334.078
15	88.974	1088.566
16	90.645	958.165
17	92.163	870.854
18	93.467	747.418
19	94.550	621.273
20	95.489	538.119
21	96.255	439.106
22	96.815	321.374
23	97.375	321.055
24	97.900	301.316
25	98.079	102.631
26	98.169	51.477
27	98.259	51.411
28	98.349	51.608
29	98.439	51.604
30	98.528	51.219
31	98.618	51.477
32	98.708	51.477
33	98.798	51.608
34	98.887	51.346
35	98.977	51.608
36	99.067	51.604
37	99.157	51.604
38	99.247	51.604
39	99.337	51.604
40	99.427	51.604
41	99.517	51.604
42	99.607	51.604
43	99.697	51.604
44	99.787	51.604
45	99.877	51.604
46	99.967	51.604
47	100.000	18.785

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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =    2535.6968
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =    1991.0461
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	2025.0	4050.0	6075.0	8100.0
96.000	524.3721	57.05	Q	V	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	524.7745	58.43	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	525.2059	62.64	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	525.6828	69.24	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	526.2228	78.41	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	526.8649	93.23	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	527.7108	122.82	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	528.7158	145.93	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	529.8037	157.97	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	530.9523	166.77	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	532.1523	174.25	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	533.3935	180.21	Q	V	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	534.6719	185.62	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	535.9819	190.22	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	537.3209	194.42	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	538.6843	197.97	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	540.0699	201.20	Q	V	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	541.4763	204.20	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	542.9012	206.90	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	544.3423	209.26	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	545.7985	211.43	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	547.2676	213.33	.Q	V	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	548.7479	214.94	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	550.2393	216.54	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	551.7415	218.12	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	553.2509	219.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	554.7665	220.08	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	556.2885	220.99	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	557.8170	221.93	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	559.3518	222.86	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	560.8932	223.82	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	562.4412	224.77	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	563.9959	225.74	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	565.5573	226.71	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	567.1254	227.70	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	568.7004	228.68	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	570.2823	229.69	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	571.8711	230.70	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	573.4670	231.73	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	575.0699	232.75	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	576.6802	233.80	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	578.2975	234.84	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	579.9223	235.92	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	581.5544	236.98	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	583.1940	238.07	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	584.8411	239.16	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	586.4959	240.27	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	588.1577	241.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	589.8264	242.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	591.5018	243.27	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	593.1842	244.29	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	594.8736	245.30	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	596.5702	246.34	.Q	.V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	598.2739	247.37	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	599.9849	248.44	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	601.7031	249.49	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	603.4288	250.58	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	605.1620	251.66	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	606.9028	252.77	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	608.6512	253.87	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	610.4075	255.01	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	612.1716	256.14	.Q	. V	.	.	.
(PEAK DAY 1, HOUR 5.083)							

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101.167    613.9436    257.30  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250    615.7236    258.46  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333    617.5119    259.65  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417    619.3083    260.84  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500    621.1131    262.06  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583    622.9263    263.27  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667    624.7480    264.52  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750    626.5784    265.76  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833    628.4175    267.05  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917    630.2655    268.32  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000    632.1225    269.64  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083    633.9885    270.94  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167    635.8638    272.29  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250    637.7483    273.63  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333    639.6423    275.02  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417    641.5458    276.39  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500    643.4592    277.81  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583    645.3822    279.23  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667    647.3153    280.69  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750    649.2584    282.14  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833    651.2119    283.64  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917    653.1755    285.13  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000    655.1499    286.67  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083    657.1348    288.21  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167    659.1306    289.79  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250    661.1373    291.37  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333    663.1552    293.00  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417    665.1843    294.63  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500    667.2250    296.31  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583    669.2772    297.98  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667    671.3414    299.71  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750    673.4174    301.43  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833    675.5057    303.22  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917    677.6062    305.00  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.917)
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104.000    679.7194    306.84  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083    681.8453    308.67  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167    683.9842    310.57  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250    686.1362    312.46  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333    688.3016    314.43  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417    690.4805    316.38  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500    692.6734    318.41  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583    694.8802    320.42  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667    697.1014    322.52  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750    699.3370    324.61  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833    701.5876    326.78  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917    703.8530    328.94  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000    706.1339    331.18  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083    708.4301    333.42  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167    710.7424    335.75  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250    713.0707    338.07  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333    715.4156    340.48  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417    717.7772    342.89  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500    720.1559    345.39  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583    722.5518    347.89  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667    724.9657    350.49  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750    727.3975    353.09  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833    729.8478    355.80  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917    732.3168    358.50  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000    734.8052    361.31  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083    737.3130    364.13  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167    739.8409    367.06  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250    742.3892    370.00  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333    744.9584    373.06  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417    747.5488    376.12  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500    750.1611    379.32  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583    752.7955    382.51  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667    755.4529    385.85  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750    758.1334    389.20  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.750)
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 106.833    760.8378    392.69  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.833)
 106.917    763.5665    396.19  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.917)
 107.000    766.3203    399.86  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.000)
 107.083    769.0995    403.53  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.083)
 107.167    771.9052    407.38  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.167)
 107.250    774.7374    411.24  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.250)
 107.333    777.5974    415.28  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.333)
 107.417    780.4854    419.34  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.417)
 107.500    783.4028    423.60  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.500)
 107.583    786.3495    427.88  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.583)
 107.667    789.3273    432.36  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.667)
 107.750    792.3361    436.88  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.750)
 107.833    795.3776    441.62  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.833)
 107.917    798.4520    446.40  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  11.917)
 108.000    801.5609    451.42  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.000)
 108.083    804.7167    458.21  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.083)
 108.167    807.9401    468.03  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.167)
 108.250    811.2471    480.19  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.250)
 108.333    814.6569    495.10  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.333)
 108.417    818.2075    515.54  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.417)
 108.500    821.9995    550.61  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.500)
 108.583    825.9893    579.32  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.583)
 108.667    830.1044    597.50  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.667)
 108.750    834.3231    612.56  .  Q       .    V   .         .         .
(PEAK DAY 1, HOUR  12.750)
 108.833    838.6390    626.67  .  Q       .    V   .         .         .
(PEAK DAY 1, HOUR  12.833)
 108.917    843.0424    639.37  .  Q       .    V   .         .         .
(PEAK DAY 1, HOUR  12.917)
 109.000    847.5322    651.92  .  Q       .     V  .         .         .
(PEAK DAY 1, HOUR  13.000)
 109.083    852.1049    663.96  .  Q       .     V  .         .         .
(PEAK DAY 1, HOUR  13.083)
 109.167    856.7635    676.43  .  Q       .     V  .         .         .
(PEAK DAY 1, HOUR  13.167)
 109.250    861.5088    689.01  .  Q       .     V  .         .         .
(PEAK DAY 1, HOUR  13.250)
 109.333    866.3477    702.61  .  Q       .     V  .         .         .
(PEAK DAY 1, HOUR  13.333)
 109.417    871.2896    717.55  .  Q       .     V  .         .         .
(PEAK DAY 1, HOUR  13.417)
 109.500    876.3552    735.54  .  Q       .     V  .         .         .
(PEAK DAY 1, HOUR  13.500)
 109.583    881.5556    755.09  .  Q       .     V  .         .         .
(PEAK DAY 1, HOUR  13.583)
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 109.667    886.9045    776.66  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.667)
 109.750    892.4076    799.06  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.750)
 109.833    898.0772    823.23  .   Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.833)
 109.917    903.9202    848.40  .   Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.917)
 110.000    909.9514    875.72  .   Q      .       V .         .         .
(PEAK DAY 1, HOUR  14.000)
 110.083    916.2261    911.09  .   Q      .       V .         .         .
(PEAK DAY 1, HOUR  14.083)
 110.167    922.8422    960.67  .   Q      .       V .         .         .
(PEAK DAY 1, HOUR  14.167)
 110.250    929.8752   1021.19  .    Q     .       V .         .         .
(PEAK DAY 1, HOUR  14.250)
 110.333    937.4159   1094.90  .    Q     .       V .         .         .
(PEAK DAY 1, HOUR  14.333)
 110.417    945.6345   1193.34  .    Q     .       V .         .         .
(PEAK DAY 1, HOUR  14.417)
 110.500    954.9769   1356.53  .     Q    .        V.         .         .
(PEAK DAY 1, HOUR  14.500)
 110.583    965.2540   1492.23  .      Q   .        V.         .         .
(PEAK DAY 1, HOUR  14.583)
 110.667    976.1564   1583.02  .      Q   .        V.         .         .
(PEAK DAY 1, HOUR  14.667)
 110.750    987.5969   1661.17  .       Q  .        V.         .         .
(PEAK DAY 1, HOUR  14.750)
 110.833    999.5599   1737.02  .       Q  .         V         .         .
(PEAK DAY 1, HOUR  14.833)
 110.917   1012.0135   1808.27  .       Q  .         V         .         .
(PEAK DAY 1, HOUR  14.917)
 111.000   1024.9714   1881.49  .        Q.         V         .         .
(PEAK DAY 1, HOUR  15.000)
 111.083   1038.4275   1953.82  .        Q.         V         .         .
(PEAK DAY 1, HOUR  15.083)
 111.167   1052.4082   2029.99  .         Q         .V        .         .
(PEAK DAY 1, HOUR  15.167)
 111.250   1066.9198   2107.09  .         Q         .V        .         .
(PEAK DAY 1, HOUR  15.250)
 111.333   1082.0043   2190.26  .         Q         .V        .         .
(PEAK DAY 1, HOUR  15.333)
 111.417   1097.5770   2261.16  .         .Q        . V       .         .
(PEAK DAY 1, HOUR  15.417)
 111.500   1113.5178   2314.61  .         .Q        . V       .         .
(PEAK DAY 1, HOUR  15.500)
 111.583   1129.7285   2353.79  .         .Q        . V       .         .
(PEAK DAY 1, HOUR  15.583)
 111.667   1146.1561   2385.29  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  15.667)
 111.750   1162.5571   2381.42  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  15.750)
 111.833   1178.1958   2270.74  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  15.833)
 111.917   1193.8363   2271.00  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  15.917)
 112.000   1210.8542   2471.00  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  16.000)
 112.083   1231.4600   2991.95  .         .   Q     .   V     .         .
(PEAK DAY 1, HOUR  16.083)
 112.167   1257.0110   3710.00  .         .       Q .    V    .         .
(PEAK DAY 1, HOUR  16.167)
 112.250   1287.2900   4396.52  .         .         .Q   V    .         .
(PEAK DAY 1, HOUR  16.250)
 112.333   1323.0471   5191.94  .         .         .    QV   .         .
(PEAK DAY 1, HOUR  16.333)
 112.417   1366.6873   6336.55  .         .         .      V  .Q        .
(PEAK DAY 1, HOUR  16.417)
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 112.500   1422.4481   8096.49  .          .          .       V .        Q.
 (PEAK DAY 1, HOUR  16.500)
 112.583   1469.5847   6844.24  .          .          .       V.  Q      .
 (PEAK DAY 1, HOUR  16.583)
 112.667   1503.8654   4977.55  .          .          .   Q     V          .
 (PEAK DAY 1, HOUR  16.667)
 112.750   1533.0299   4234.69  .          .          Q         V          .
 (PEAK DAY 1, HOUR  16.750)
 112.833   1560.4061   3975.03  .          .         Q.         .V         .
 (PEAK DAY 1, HOUR  16.833)
 112.917   1585.9252   3705.36  .          .        Q .         .V         .
 (PEAK DAY 1, HOUR  16.917)
 113.000   1609.9448   3487.65  .          .       Q  .         . V        .
 (PEAK DAY 1, HOUR  17.000)
 113.083   1632.2296   3235.76  .          .     Q    .         . V        .
 (PEAK DAY 1, HOUR  17.083)
 113.167   1653.0839   3028.04  .          .    Q     .         .  V       .
 (PEAK DAY 1, HOUR  17.167)
 113.250   1672.3000   2790.18  .          .  Q       .         .  V       .
 (PEAK DAY 1, HOUR  17.250)
 113.333   1690.1511   2591.97  .          . Q        .         .  V       .
 (PEAK DAY 1, HOUR  17.333)
 113.417   1706.6302   2392.77  .          .Q         .         .   V      .
 (PEAK DAY 1, HOUR  17.417)
 113.500   1721.2643   2124.86  .          Q          .         .   V      .
 (PEAK DAY 1, HOUR  17.500)
 113.583   1734.2581   1886.69  .         Q.          .         .   V      .
 (PEAK DAY 1, HOUR  17.583)
 113.667   1746.0696   1715.04  .        Q .          .         .    V     .
 (PEAK DAY 1, HOUR  17.667)
 113.750   1756.8064   1558.98  .       Q  .          .         .    V     .
 (PEAK DAY 1, HOUR  17.750)
 113.833   1766.5392   1413.20  .      Q   .          .         .    V     .
 (PEAK DAY 1, HOUR  17.833)
 113.917   1775.6035   1316.13  .      Q   .          .         .    V     .
 (PEAK DAY 1, HOUR  17.917)
 114.000   1783.9698   1214.79  .     Q    .          .         .    V     .
 (PEAK DAY 1, HOUR  18.000)
 114.083   1791.3156   1066.59  .     Q    .          .         .    V     .
 (PEAK DAY 1, HOUR  18.083)
 114.167   1798.0677    980.42  .    Q     .          .         .     V    .
 (PEAK DAY 1, HOUR  18.167)
 114.250   1804.4373    924.85  .    Q     .          .         .     V    .
 (PEAK DAY 1, HOUR  18.250)
 114.333   1810.4688    875.77  .    Q     .          .         .     V    .
 (PEAK DAY 1, HOUR  18.333)
 114.417   1816.1316    822.24  .    Q     .          .         .     V    .
 (PEAK DAY 1, HOUR  18.417)
 114.500   1821.3540    758.30  .   Q      .          .         .     V    .
 (PEAK DAY 1, HOUR  18.500)
 114.583   1826.2140    705.67  .   Q      .          .         .     V    .
 (PEAK DAY 1, HOUR  18.583)
 114.667   1830.8105    667.42  .   Q      .          .         .     V    .
 (PEAK DAY 1, HOUR  18.667)
 114.750   1835.1884    635.65  .   Q      .          .         .     V    .
 (PEAK DAY 1, HOUR  18.750)
 114.833   1839.3772    608.22  .   Q      .          .         .     V    .
 (PEAK DAY 1, HOUR  18.833)
 114.917   1843.3987    583.92  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  18.917)
 115.000   1847.2664    561.58  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.000)
 115.083   1851.0087    543.39  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.083)
 115.167   1854.6389    527.11  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.167)
 115.250   1858.1722    513.04  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.250)
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 115.333   1861.6184    500.38  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.333)
 115.417   1864.9816    488.33  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.417)
 115.500   1868.2661    476.91  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.500)
 115.583   1871.4744    465.84  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.583)
 115.667   1874.6071    454.86  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.667)
 115.750   1877.6595    443.22  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.750)
 115.833   1880.6226    430.23  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.833)
 115.917   1883.4233    406.68  . Q        .          .         .      V   .
 (PEAK DAY 1, HOUR  19.917)
 116.000   1886.1075    389.75  .Q         .          .         .      V   .
 (PEAK DAY 1, HOUR  20.000)
 116.083   1888.7346    381.46  .Q         .          .         .      V   .
 (PEAK DAY 1, HOUR  20.083)
 116.167   1891.3137    374.48  .Q         .          .         .      V   .
 (PEAK DAY 1, HOUR  20.167)
 116.250   1893.8436    367.34  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  20.250)
 116.333   1896.3243    360.20  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  20.333)
 116.417   1898.7587    353.47  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  20.417)
 116.500   1901.1489    347.07  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  20.500)
 116.583   1903.4972    340.98  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  20.583)
 116.667   1905.8054    335.15  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  20.667)
 116.750   1908.0751    329.56  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  20.750)
 116.833   1910.3079    324.20  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  20.833)
 116.917   1912.5077    319.41  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  20.917)
 117.000   1914.6774    315.04  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.000)
 117.083   1916.8182    310.85  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.083)
 117.167   1918.9313    306.82  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.167)
 117.250   1921.0177    302.95  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.250)
 117.333   1923.0785    299.22  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.333)
 117.417   1925.1145    295.63  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.417)
 117.500   1927.1267    292.16  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.500)
 117.583   1929.1157    288.80  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.583)
 117.667   1931.0822    285.53  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.667)
 117.750   1933.0267    282.35  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.750)
 117.833   1934.9500    279.25  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.833)
 117.917   1936.8530    276.33  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  21.917)
 118.000   1938.7368    273.53  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  22.000)
 118.083   1940.6019    270.81  .Q         .          .         .       V  .
 (PEAK DAY 1, HOUR  22.083)
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118.167	1942.4487	268.16	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.167)								
118.250	1944.2778	265.58	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.250)								
118.333	1946.0896	263.06	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.333)								
118.417	1947.8844	260.61	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.417)								
118.500	1949.6627	258.22	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.500)								
118.583	1951.4249	255.88	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.583)								
118.667	1953.1715	253.60	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.667)								
118.750	1954.9027	251.37	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.750)								
118.833	1956.6189	249.19	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.833)								
118.917	1958.3204	247.06	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.917)								
119.000	1960.0077	244.98	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.000)								
119.083	1961.6809	242.95	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.083)								
119.167	1963.3403	240.95	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.167)								
119.250	1964.9863	239.01	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.250)								
119.333	1966.6193	237.10	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.333)								
119.417	1968.2393	235.23	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.417)								
119.500	1969.8467	233.40	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.500)								
119.583	1971.4418	231.61	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.583)								
119.667	1973.0248	229.85	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.667)								
119.750	1974.5959	228.13	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.750)								
119.833	1976.1555	226.44	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.833)								
119.917	1977.7036	224.79	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.917)								
120.000	1979.2406	223.16	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.000)								
120.083	1980.7501	219.19	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.083)								
120.167	1982.2065	211.46	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.167)								
120.250	1983.5886	200.67	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.250)								
120.333	1984.8737	186.59	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.333)								
120.417	1986.0109	165.13	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.417)								
120.500	1986.8660	124.17	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.500)								
120.583	1987.5026	92.43	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.583)								
120.667	1988.0258	75.96	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.667)								
120.750	1988.4669	64.06	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.750)								
120.833	1988.8396	54.11	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.833)								
120.917	1989.1586	46.31	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.917)								
121.000	1989.4298	39.39	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.000)								
121.083	1989.6614	33.63	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.083)								
121.167	1989.8578	28.51	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.167)								
121.250	1990.0254	24.33	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.250)								
121.333	1990.1677	20.66	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.333)								
121.417	1990.2871	17.33	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.417)								
121.500	1990.3868	14.48	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.500)								
121.583	1990.4702	12.10	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.583)								
121.667	1990.5394	10.05	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.667)								
121.750	1990.5970	8.37	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.750)								
121.833	1990.6462	7.14	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.833)								
121.917	1990.6870	5.91	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.917)								
122.000	1990.7198	4.77	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.000)								
122.083	1990.7499	4.36	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.083)								
122.167	1990.7784	4.14	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.167)								
122.250	1990.8054	3.92	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.250)								
122.333	1990.8309	3.70	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.333)								
122.417	1990.8550	3.49	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.417)								
122.500	1990.8776	3.28	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.500)								
122.583	1990.8987	3.07	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.583)								
122.667	1990.9183	2.86	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.667)								
122.750	1990.9365	2.65	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.750)								
122.833	1990.9534	2.44	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.833)								
122.917	1990.9688	2.24	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.917)								
123.000	1990.9828	2.03	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.000)								
123.083	1990.9954	1.83	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.083)								
123.167	1991.0066	1.63	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.167)								
123.250	1991.0165	1.43	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.250)								
123.333	1991.0249	1.23	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.333)								
123.417	1991.0320	1.03	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.417)								
123.500	1991.0377	0.84	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.500)								
123.583	1991.0421	0.64	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.583)								
123.667	1991.0452	0.45	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.667)								
123.750	1991.0470	0.26	Q	.	.	.	V	
(PEAK DAY 1, HOUR 27.750)								

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 123.833   1991.0475      0.07  Q         .         .         .         V
 (PEAK DAY 1, HOUR  27.833)
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********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE = 3.1
--------------------------------------------------------------------------------
  >>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

                   INFLOW
                  (STREAM 1)
                       |
                       |
                       V                __effective depth
                   -----------          |   (and volume)
                  |           |    |    |
                  |           |    |....V........
                  | detention |<-->|           outflow
                  |   basin   |    |.........._______
                   -----------     |    ^    |  \
                       |           |  dead   |   basin outlet
                       V           | storage |
                    OUTFLOW         ---------
                   (STREAM 1)



        ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
        THROUGH A FLOW-THROUGH DETENTION BASIN
        SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
          DEAD STORAGE(AF) =      0.000
          SPECIFIED DEAD STORAGE(AF) FILLED =      0.000
          SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET =      0.000
          DETENTION BASIN CONSTANT LOSS RATE(CS) =    0.00


        BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

         INTERVAL    DEPTH      OUTFLOW     STORAGE
          NUMBER      (FT)       (CFS)       (AF)
              1        0.00        0.00       0.000
              2        4.00      175.20       1.000
              3        5.00      199.20       3.100
              4        6.00      220.50       7.800
              5        7.00      240.40      15.800
              6        9.00      276.50      44.300
              7       11.00      308.80      83.700
              8       13.00      338.30     125.900
              9       15.00      365.70     202.000
             10       17.00      391.10     290.900
             11       19.00      415.40     382.300
             12       21.00      438.20     476.600
             13       23.00      460.70     573.700
             14       25.00      472.30     673.700
             15       27.00      485.40     777.000
             16       29.00      500.00     883.200
             17       31.00      515.60     992.200


================================================================================
 MODIFIED-PULS BASIN ROUTING MODEL RESULTS(5-MINUTE COMPUTATION INTERVALS):
 (Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time;
        MEAN OUTFLOW is the average value during the unit interval.)
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
1	0.001	96.001	0.000	57.05	0.00	9.83	290.6	60.746
1	0.084	96.084	0.000	58.43	0.00	9.75	289.3	59.156
1	0.167	96.167	0.000	62.64	0.00	9.68	288.0	57.604
1	0.251	96.251	0.000	69.24	0.00	9.60	286.8	56.105
1	0.334	96.334	0.000	78.41	0.00	9.53	285.6	54.678
1	0.417	96.417	0.000	93.23	0.00	9.46	284.5	53.361
1	0.501	96.501	0.000	122.82	0.00	9.40	283.5	52.255
1	0.584	96.584	0.000	145.93	0.00	9.36	282.6	51.314
1	0.667	96.667	0.000	157.97	0.00	9.31	281.9	50.460
1	0.751	96.751	0.000	166.77	0.00	9.27	281.2	49.672
1	0.834	96.834	0.000	174.25	0.00	9.24	280.6	48.939
1	0.917	96.917	0.000	180.21	0.00	9.20	280.0	48.252
1	1.001	97.001	0.000	185.62	0.00	9.17	279.5	47.605
1	1.084	97.084	0.000	190.22	0.00	9.14	279.0	46.994
1	1.167	97.167	0.000	194.42	0.00	9.11	278.5	46.416
1	1.251	97.251	0.000	197.97	0.00	9.08	278.0	45.864
1	1.334	97.334	0.000	201.20	0.00	9.05	277.6	45.338
1	1.417	97.417	0.000	204.20	0.00	9.03	277.1	44.836
1	1.501	97.501	0.000	206.90	0.00	9.00	276.7	44.355
1	1.584	97.584	0.000	209.26	0.00	8.97	276.3	43.893
1	1.667	97.667	0.000	211.43	0.00	8.94	275.7	43.451
1	1.751	97.751	0.000	213.33	0.00	8.91	275.2	43.025
1	1.834	97.834	0.000	214.94	0.00	8.88	274.6	42.614
1	1.917	97.917	0.000	216.54	0.00	8.85	274.1	42.217
1	2.001	98.001	0.000	218.12	0.00	8.83	273.6	41.835
1	2.084	98.084	0.000	219.16	0.00	8.80	273.1	41.463
1	2.167	98.167	0.000	220.08	0.00	8.78	272.7	41.101
1	2.251	98.251	0.000	220.99	0.00	8.75	272.2	40.748
1	2.334	98.334	0.000	221.93	0.00	8.73	271.8	40.405
1	2.417	98.417	0.000	222.86	0.00	8.70	271.4	40.071
1	2.501	98.501	0.000	223.82	0.00	8.68	270.9	39.746
1	2.584	98.584	0.000	224.77	0.00	8.66	270.5	39.431
1	2.667	98.667	0.000	225.74	0.00	8.64	270.1	39.126
1	2.751	98.751	0.000	226.71	0.00	8.62	269.8	38.829
1	2.834	98.834	0.000	227.70	0.00	8.60	269.4	38.542
1	2.917	98.917	0.000	228.68	0.00	8.58	269.0	38.264
1	3.001	99.001	0.000	229.69	0.00	8.56	268.7	37.995
1	3.084	99.084	0.000	230.70	0.00	8.54	268.3	37.736
1	3.167	99.167	0.000	231.73	0.00	8.52	268.0	37.486
1	3.251	99.251	0.000	232.75	0.00	8.50	267.7	37.245
1	3.334	99.334	0.000	233.80	0.00	8.49	267.4	37.014
1	3.417	99.417	0.000	234.84	0.00	8.47	267.1	36.791
1	3.501	99.501	0.000	235.92	0.00	8.46	266.9	36.578
1	3.584	99.584	0.000	236.98	0.00	8.44	266.6	36.374
1	3.667	99.667	0.000	238.07	0.00	8.43	266.3	36.180
1	3.751	99.751	0.000	239.16	0.00	8.42	266.1	35.994
1	3.834	99.834	0.000	240.27	0.00	8.40	265.9	35.818
1	3.917	99.917	0.000	241.29	0.00	8.39	265.6	35.650
1	4.001	100.001	0.000	242.29	0.00	8.38	265.4	35.491
1	4.084	100.084	0.000	243.27	0.00	8.37	265.2	35.339
1	4.167	100.167	0.000	244.29	0.00	8.36	265.1	35.196
1	4.251	100.251	0.000	245.30	0.00	8.35	264.9	35.062
1	4.334	100.334	0.000	246.34	0.00	8.34	264.7	34.935
1	4.417	100.417	0.000	247.37	0.00	8.33	264.6	34.817
1	4.501	100.501	0.000	248.44	0.00	8.33	264.4	34.707
1	4.584	100.584	0.000	249.49	0.00	8.32	264.3	34.605
1	4.667	100.667	0.000	250.58	0.00	8.31	264.2	34.511
1	4.751	100.751	0.000	251.66	0.00	8.31	264.0	34.426
1	4.834	100.834	0.000	252.77	0.00	8.30	263.9	34.349
1	4.917	100.917	0.000	253.87	0.00	8.30	263.9	34.280
1	5.001	101.001	0.000	255.01	0.00	8.29	263.8	34.220
1	5.084	101.084	0.000	256.14	0.00	8.29	263.7	34.168

1	5.167	101.167	0.000	257.30	0.00	8.29	263.6	34.124
1	5.251	101.251	0.000	258.46	0.00	8.28	263.6	34.089
1	5.334	101.334	0.000	259.65	0.00	8.28	263.5	34.062
1	5.417	101.417	0.000	260.84	0.00	8.28	263.5	34.043
1	5.501	101.501	0.000	262.06	0.00	8.28	263.5	34.033
1	5.584	101.584	0.000	263.27	0.00	8.28	263.5	34.032
1	5.667	101.667	0.000	264.52	0.00	8.28	263.5	34.039
1	5.751	101.751	0.000	265.76	0.00	8.28	263.5	34.055
1	5.834	101.834	0.000	267.05	0.00	8.28	263.5	34.079
1	5.917	101.917	0.000	268.32	0.00	8.29	263.6	34.111
1	6.001	102.001	0.000	269.64	0.00	8.29	263.6	34.153
1	6.084	102.084	0.000	270.94	0.00	8.29	263.7	34.203
1	6.167	102.167	0.000	272.29	0.00	8.30	263.7	34.262
1	6.251	102.251	0.000	273.63	0.00	8.30	263.8	34.329
1	6.334	102.334	0.000	275.02	0.00	8.31	263.9	34.406
1	6.417	102.417	0.000	276.39	0.00	8.31	264.0	34.491
1	6.501	102.501	0.000	277.81	0.00	8.32	264.1	34.585
1	6.584	102.584	0.000	279.23	0.00	8.33	264.3	34.688
1	6.667	102.667	0.000	280.69	0.00	8.33	264.4	34.800
1	6.751	102.751	0.000	282.14	0.00	8.34	264.5	34.921
1	6.834	102.834	0.000	283.64	0.00	8.35	264.7	35.052
1	6.917	102.917	0.000	285.13	0.00	8.36	264.9	35.191
1	7.001	103.001	0.000	286.67	0.00	8.37	265.1	35.340
1	7.084	103.084	0.000	288.21	0.00	8.38	265.3	35.498
1	7.167	103.167	0.000	289.79	0.00	8.39	265.5	35.666
1	7.251	103.251	0.000	291.37	0.00	8.41	265.7	35.843
1	7.334	103.334	0.000	293.00	0.00	8.42	265.9	36.030
1	7.417	103.417	0.000	294.63	0.00	8.43	266.1	36.226
1	7.501	103.501	0.000	296.31	0.00	8.45	266.4	36.432
1	7.584	103.584	0.000	297.98	0.00	8.46	266.7	36.647
1	7.667	103.667	0.000	299.71	0.00	8.48	266.9	36.873
1	7.751	103.751	0.000	301.43	0.00	8.50	267.2	37.108
1	7.834	103.834	0.000	303.22	0.00	8.51	267.5	37.354
1	7.917	103.917	0.000	305.00	0.00	8.53	267.9	37.610
1	8.001	104.001	0.000	306.84	0.00	8.55	268.2	37.876
1	8.084	104.084	0.000	308.67	0.00	8.57	268.5	38.152
1	8.167	104.167	0.000	310.57	0.00	8.59	268.9	38.439
1	8.251	104.251	0.000	312.46	0.00	8.61	269.3	38.737
1	8.334	104.334	0.000	314.43	0.00	8.63	269.6	39.045
1	8.418	104.418	0.000	316.38	0.00	8.65	270.0	39.364
1	8.501	104.501	0.000	318.41	0.00	8.68	270.5	39.695
1	8.584	104.584	0.000	320.42	0.00	8.70	270.9	40.036
1	8.668	104.668	0.000	322.52	0.00	8.73	271.3	40.388
1	8.751	104.751	0.000	324.61	0.00	8.75	271.8	40.752
1	8.834	104.834	0.000	326.78	0.00	8.78	272.2	41.128
1	8.918	104.918	0.000	328.94	0.00	8.80	272.7	41.515
1	9.001	105.001	0.000	331.18	0.00	8.83	273.2	41.914
1	9.084	105.084	0.000	333.42	0.00	8.86	273.7	42.325
1	9.168	105.168	0.000	335.75	0.00	8.89	274.3	42.749
1	9.251	105.251	0.000	338.07	0.00	8.92	274.8	43.184
1	9.334	105.334	0.000	340.48	0.00	8.95	275.4	43.633
1	9.418	105.418	0.000	342.89	0.00	8.99	275.9	44.094
1	9.501	105.501	0.000	345.39	0.00	9.01	276.5	44.568
1	9.584	105.584	0.000	347.89	0.00	9.04	276.9	45.057
1	9.668	105.668	0.000	350.49	0.00	9.06	277.3	45.561
1	9.751	105.751	0.000	353.09	0.00	9.09	277.7	46.080
1	9.834	105.834	0.000	355.80	0.00	9.12	278.2	46.614
1	9.918	105.918	0.000	358.50	0.00	9.15	278.6	47.165
1	10.001	106.001	0.000	361.31	0.00	9.17	279.1	47.731
1	10.084	106.084	0.000	364.13	0.00	9.20	279.6	48.313
1	10.168	106.168	0.000	367.06	0.00	9.23	280.0	48.913
1	10.251	106.251	0.000	370.00	0.00	9.27	280.5	49.529
1	10.334	106.334	0.000	373.06	0.00	9.30	281.0	50.163
1	10.418	106.418	0.000	376.12	0.00	9.33	281.6	50.814
1	10.501	106.501	0.000	379.32	0.00	9.36	282.1	51.483
1	10.584	106.584	0.000	382.51	0.00	9.40	282.7	52.171
1	10.668	106.668	0.000	385.85	0.00	9.44	283.2	52.877
1	10.751	106.751	0.000	389.20	0.00	9.47	283.8	53.603
1	10.834	106.834	0.000	392.69	0.00	9.51	284.4	54.349
1	10.918	106.918	0.000	396.19	0.00	9.55	285.1	55.114
1	11.001	107.001	0.000	399.86	0.00	9.59	285.7	55.900
1	11.084	107.084	0.000	403.53	0.00	9.63	286.3	56.708
1	11.168	107.168	0.000	407.38	0.00	9.67	287.0	57.537
1	11.251	107.251	0.000	411.24	0.00	9.72	287.7	58.387
1	11.334	107.334	0.000	415.28	0.00	9.76	288.4	59.261
1	11.418	107.418	0.000	419.34	0.00	9.80	289.1	60.158
1	11.501	107.501	0.000	423.60	0.00	9.85	289.9	61.079
1	11.584	107.584	0.000	427.88	0.00	9.90	290.6	62.024
1	11.668	107.668	0.000	432.36	0.00	9.95	291.4	62.995
1	11.751	107.751	0.000	436.88	0.00	10.00	292.2	63.991
1	11.834	107.834	0.000	441.62	0.00	10.05	293.1	65.014
1	11.918	107.918	0.000	446.40	0.00	10.10	293.9	66.064
1	12.001	108.001	0.000	451.42	0.00	10.16	294.8	67.143
1	12.084	108.084	0.000	458.21	0.00	10.22	295.7	68.262
1	12.168	108.168	0.000	468.03	0.00	10.28	296.6	69.443
1	12.251	108.251	0.000	480.19	0.00	10.34	297.6	70.700
1	12.334	108.334	0.000	495.10	0.00	10.41	298.7	72.053
1	12.418	108.418	0.000	515.54	0.00	10.48	299.9	73.538
1	12.501	108.501	0.000	550.61	0.00	10.57	301.2	75.256
1	12.584	108.584	0.000	579.32	0.00	10.67	302.7	77.161
1	12.668	108.668	0.000	597.50	0.00	10.77	304.3	79.181
1	12.751	108.751	0.000	612.56	0.00	10.88	306.0	81.292
1	12.834	108.834	0.000	626.67	0.00	10.99	307.7	83.489
1	12.918	108.918	0.000	639.37	0.00	11.10	309.4	85.761
1	13.001	109.001	0.000	651.92	0.00	11.21	311.1	88.109
1	13.084	109.084	0.000	663.96	0.00	11.32	312.7	90.528
1	13.168	109.168	0.000	676.43	0.00	11.44	314.4	93.021
1	13.251	109.251	0.000	689.01	0.00	11.56	316.2	95.588
1	13.334	109.334	0.000	702.61	0.00	11.69	318.0	98.237
1	13.418	109.418	0.000	717.55	0.00	11.82	319.9	100.975
1	13.501	109.501	0.000	735.54	0.00	11.95	321.9	103.824
1	13.584	109.584	0.000	755.09	0.00	12.09	323.9	106.794
1	13.668	109.668	0.000	776.66	0.00	12.24	326.0	109.897
1	13.751	109.751	0.000	799.06	0.00	12.40	328.2	113.140
1	13.834	109.834	0.000	823.23	0.00	12.56	330.6	116.533
1	13.918	109.918	0.000	848.40	0.00	12.72	333.0	120.083
1	14.001	110.001	0.000	875.72	0.00	12.90	335.5	123.803
1	14.084	110.084	0.000	911.09	0.00	13.05	337.9	127.750
1	14.168	110.168	0.000	960.67	0.00	13.16	339.7	132.027
1	14.251	110.251	0.000	1021.19	0.00	13.28	341.3	136.709
1	14.334	110.334	0.000	1094.90	0.00	13.42	343.1	141.886
1	14.418	110.418	0.000	1193.34	0.00	13.57	345.1	147.728
1	14.501	110.501	0.000	1356.53	0.00	13.76	347.4	154.678
1	14.584	110.584	0.000	1492.23	0.00	13.96	350.1	162.544
1	14.668	110.668	0.000	1583.02	0.00	14.19	353.0	171.015
1	14.751	110.751	0.000	1661.17	0.00	14.42	356.2	180.003
1	14.834	110.834	0.000	1737.02	0.00	14.67	359.5	189.490
1	14.918	110.918	0.000	1808.27	0.00	14.93	363.0	199.444
1	15.001	111.001	0.000	1881.49	0.00	15.18	366.4	209.879
1	15.084	111.084	0.000	1953.82	0.00	15.42	369.5	220.790
1	15.168	111.168	0.000	2029.99	0.00	15.68	372.7	232.204
1	15.251	111.251	0.000	2107.09	0.00	15.95	376.0	244.126
1	15.334	111.334	0.000	2190.26	0.00	16.23	379.5	256.596
1	15.418	111.418	0.000	2261.16	0.00	16.52	383.1	269.530
1	15.501	111.501	0.000	2314.61	0.00	16.82	386.9	282.806
1	15.584	111.584	0.000	2353.79	0.00	17.12	390.7	296.327
1	15.668	111.668	0.000	2385.29	0.00	17.42	394.4	310.038
1	15.751	111.751	0.000	2381.42	0.00	17.72	398.0	323.698
1	15.834	111.834	0.000	2270.74	0.00	18.00	401.5	336.571
1	15.918	111.918	0.000	2271.00	0.00	18.28	405.0	349.423
1	16.001	112.001	0.000	2471.00	0.00	18.59	408.5	363.627
1	16.084	112.084	0.000	2991.95	0.00	18.98	412.8	381.390
1	16.168	112.168	0.000	3710.00	0.00	19.46	417.9	404.063
1	16.251	112.251	0.000	4396.52	0.00	20.04	424.0	431.422
1	16.334	112.334	0.000	5191.94	0.00	20.74	431.2	464.209
1	16.418	112.418	0.000	6336.55	0.00	21.58	440.0	504.819

1	16.501	112.501	0.000	8096.49	0.00	22.67	450.8	557.475
1	16.584	112.584	0.000	6844.24	0.00	23.55	460.4	601.441
1	16.668	112.668	0.000	4977.55	0.00	24.18	465.7	632.514
1	16.751	112.751	0.000	4234.69	0.00	24.69	469.0	658.448
1	16.834	112.834	0.000	3975.03	0.00	25.17	472.0	682.574
1	16.918	112.918	0.000	3705.36	0.00	25.60	474.8	704.823
1	17.001	113.001	0.000	3487.65	0.00	26.00	477.6	725.553
1	17.084	113.084	0.000	3235.76	0.00	26.37	480.1	744.532
1	17.168	113.168	0.000	3028.04	0.00	26.71	482.4	762.064
1	17.251	113.251	0.000	2790.18	0.00	27.02	484.5	777.943
1	17.334	113.334	0.000	2591.97	0.00	27.29	486.5	792.443
1	17.418	113.418	0.000	2392.77	0.00	27.54	488.4	805.558
1	17.501	113.501	0.000	2124.86	0.00	27.75	490.1	816.817
1	17.584	113.584	0.000	1886.69	0.00	27.93	491.5	826.426
1	17.668	113.668	0.000	1715.04	0.00	28.09	492.8	834.844
1	17.751	113.751	0.000	1558.98	0.00	28.23	493.9	842.179
1	17.834	113.834	0.000	1413.20	0.00	28.35	494.8	848.504
1	17.918	113.918	0.000	1316.13	0.00	28.45	495.6	854.155
1	18.001	114.001	0.000	1214.79	0.00	28.55	496.3	859.103
1	18.084	114.084	0.000	1066.59	0.00	28.62	497.0	863.026
1	18.168	114.168	0.000	980.42	0.00	28.68	497.5	866.353
1	18.251	114.251	0.000	924.85	0.00	28.74	497.9	869.293
1	18.334	114.334	0.000	875.77	0.00	28.79	498.3	871.893
1	18.418	114.418	0.000	822.24	0.00	28.83	498.6	874.122
1	18.501	114.501	0.000	758.30	0.00	28.86	498.9	875.909
1	18.584	114.584	0.000	705.67	0.00	28.89	499.1	877.331
1	18.668	114.668	0.000	667.42	0.00	28.91	499.3	878.489
1	18.751	114.751	0.000	635.65	0.00	28.93	499.4	879.428
1	18.834	114.834	0.000	608.22	0.00	28.94	499.5	880.176
1	18.918	114.918	0.000	583.92	0.00	28.95	499.6	880.757
1	19.001	115.001	0.000	561.58	0.00	28.96	499.7	881.183
1	19.084	115.084	0.000	543.39	0.00	28.97	499.7	881.484
1	19.168	115.168	0.000	527.11	0.00	28.97	499.8	881.672
1	19.251	115.251	0.000	513.04	0.00	28.97	499.8	881.763
1	19.335	115.335	0.000	500.38	0.00	28.97	499.8	881.767
1	19.418	115.418	0.000	488.33	0.00	28.97	499.8	881.688
1	19.501	115.501	0.000	476.91	0.00	28.97	499.8	881.531
1	19.585	115.585	0.000	465.84	0.00	28.96	499.8	881.297
1	19.668	115.668	0.000	454.86	0.00	28.96	499.7	880.988
1	19.751	115.751	0.000	443.22	0.00	28.95	499.7	880.599
1	19.835	115.835	0.000	430.23	0.00	28.94	499.6	880.122
1	19.918	115.918	0.000	406.68	0.00	28.93	499.5	879.482
1	20.001	116.001	0.000	389.75	0.00	28.92	499.4	878.727
1	20.085	116.085	0.000	381.46	0.00	28.90	499.3	877.915
1	20.168	116.168	0.000	374.48	0.00	28.88	499.2	877.056
1	20.251	116.251	0.000	367.34	0.00	28.87	499.1	876.149
1	20.335	116.335	0.000	360.20	0.00	28.85	499.0	875.193
1	20.418	116.418	0.000	353.47	0.00	28.83	498.8	874.192
1	20.501	116.501	0.000	347.07	0.00	28.81	498.7	873.148
1	20.585	116.585	0.000	340.98	0.00	28.79	498.5	872.063
1	20.668	116.668	0.000	335.15	0.00	28.77	498.4	870.938
1	20.751	116.751	0.000	329.56	0.00	28.75	498.2	869.777
1	20.835	116.835	0.000	324.20	0.00	28.72	498.1	868.579
1	20.918	116.918	0.000	319.41	0.00	28.70	497.9	867.350
1	21.001	117.001	0.000	315.04	0.00	28.68	497.7	866.092
1	21.085	117.085	0.000	310.85	0.00	28.65	497.6	864.806
1	21.168	117.168	0.000	306.82	0.00	28.63	497.4	863.494
1	21.251	117.251	0.000	302.95	0.00	28.60	497.2	862.156
1	21.335	117.335	0.000	299.22	0.00	28.58	497.0	860.794
1	21.418	117.418	0.000	295.63	0.00	28.55	496.8	859.408
1	21.501	117.501	0.000	292.16	0.00	28.53	496.6	858.000
1	21.585	117.585	0.000	288.80	0.00	28.50	496.4	856.570
1	21.668	117.668	0.000	285.53	0.00	28.47	496.2	855.118
1	21.751	117.751	0.000	282.35	0.00	28.44	496.0	853.647
1	21.835	117.835	0.000	279.25	0.00	28.42	495.8	852.155
1	21.918	117.918	0.000	276.33	0.00	28.39	495.6	850.645
1	22.001	118.001	0.000	273.53	0.00	28.36	495.4	849.117
1	22.085	118.085	0.000	270.81	0.00	28.33	495.2	847.571

1	22.168	118.168	0.000	268.16	0.00	28.30	495.0	846.009
1	22.251	118.251	0.000	265.58	0.00	28.27	494.8	844.430
1	22.335	118.335	0.000	263.06	0.00	28.24	494.6	842.836
1	22.418	118.418	0.000	260.61	0.00	28.21	494.3	841.226
1	22.501	118.501	0.000	258.22	0.00	28.18	494.1	839.602
1	22.585	118.585	0.000	255.88	0.00	28.15	493.9	837.963
1	22.668	118.668	0.000	253.60	0.00	28.12	493.7	836.309
1	22.751	118.751	0.000	251.37	0.00	28.09	493.4	834.642
1	22.835	118.835	0.000	249.19	0.00	28.05	493.2	832.961
1	22.918	118.918	0.000	247.06	0.00	28.02	493.0	831.268
1	23.001	119.001	0.000	244.98	0.00	27.99	492.7	829.561
1	23.085	119.085	0.000	242.95	0.00	27.96	492.5	827.843
1	23.168	119.168	0.000	240.95	0.00	27.92	492.3	826.112
1	23.251	119.251	0.000	239.01	0.00	27.89	492.0	824.369
1	23.335	119.335	0.000	237.10	0.00	27.86	491.8	822.615
1	23.418	119.418	0.000	235.23	0.00	27.83	491.5	820.850
1	23.501	119.501	0.000	233.40	0.00	27.79	491.3	819.074
1	23.585	119.585	0.000	231.61	0.00	27.76	491.1	817.287
1	23.668	119.668	0.000	229.85	0.00	27.72	490.8	815.490
1	23.751	119.751	0.000	228.13	0.00	27.69	490.6	813.682
1	23.835	119.835	0.000	226.44	0.00	27.66	490.3	811.865
1	23.918	119.918	0.000	224.79	0.00	27.62	490.1	810.038
1	24.001	120.001	0.000	223.16	0.00	27.59	489.8	808.201
1	24.085	120.085	0.000	219.19	0.00	27.55	489.6	806.339
1	24.168	120.168	0.000	211.46	0.00	27.52	489.3	804.426
1	24.251	120.251	0.000	200.67	0.00	27.48	489.0	802.440
1	24.335	120.335	0.000	186.59	0.00	27.44	488.8	800.359
1	24.418	120.418	0.000	165.13	0.00	27.40	488.5	798.132
1	24.501	120.501	0.000	124.17	0.00	27.35	488.1	795.625
1	24.585	120.585	0.000	92.43	0.00	27.30	487.8	792.902
1	24.668	120.668	0.000	75.96	0.00	27.25	487.4	790.069
1	24.751	120.751	0.000	64.06	0.00	27.19	487.0	787.156
1	24.835	120.835	0.000	54.11	0.00	27.14	486.6	784.178
1	24.918	120.918	0.000	46.31	0.00	27.08	486.2	781.148
1	25.001	121.001	0.000	39.39	0.00	27.02	485.8	778.074
1	25.085	121.085	0.000	33.63	0.00	26.96	485.3	774.963
1	25.168	121.168	0.000	28.51	0.00	26.90	484.9	771.820
1	25.251	121.251	0.000	24.33	0.00	26.84	484.5	768.650
1	25.335	121.335	0.000	20.66	0.00	26.78	484.1	765.458
1	25.418	121.418	0.000	17.33	0.00	26.71	483.7	762.246
1	25.501	121.501	0.000	14.48	0.00	26.65	483.3	759.017
1	25.585	121.585	0.000	12.10	0.00	26.59	482.9	755.774
1	25.668	121.668	0.000	10.05	0.00	26.53	482.5	752.521
1	25.751	121.751	0.000	8.37	0.00	26.46	482.1	749.258
1	25.835	121.835	0.000	7.14	0.00	26.40	481.7	745.990
1	25.918	121.918	0.000	5.91	0.00	26.34	481.3	742.716
1	26.001	122.001	0.000	4.77	0.00	26.27	480.8	739.437
1	26.085	122.085	0.000	4.36	0.00	26.21	480.4	736.159
1	26.168	122.168	0.000	4.14	0.00	26.15	480.0	732.881
1	26.251	122.251	0.000	3.92	0.00	26.08	479.6	729.605
1	26.335	122.335	0.000	3.70	0.00	26.02	479.2	726.331
1	26.418	122.418	0.000	3.49	0.00	25.96	478.8	723.057
1	26.501	122.501	0.000	3.28	0.00	25.89	478.4	719.785
1	26.585	122.585	0.000	3.07	0.00	25.83	477.9	716.515
1	26.668	122.668	0.000	2.86	0.00	25.77	477.5	713.246
1	26.751	122.751	0.000	2.65	0.00	25.70	477.1	709.978
1	26.835	122.835	0.000	2.44	0.00	25.64	476.7	706.712
1	26.918	122.918	0.000	2.24	0.00	25.58	476.3	703.447
1	27.001	123.001	0.000	2.03	0.00	25.51	475.9	700.184
1	27.085	123.085	0.000	1.83	0.00	25.45	475.5	696.922
1	27.168	123.168	0.000	1.63	0.00	25.39	475.0	693.661
1	27.251	123.251	0.000	1.43	0.00	25.32	474.6	690.403
1	27.335	123.335	0.000	1.23	0.00	25.26	474.2	687.145
1	27.418	123.418	0.000	1.03	0.00	25.20	473.8	683.889
1	27.501	123.501	0.000	0.84	0.00	25.13	473.4	680.635
1	27.585	123.585	0.000	0.64	0.00	25.07	473.0	677.382
1	27.668	123.668	0.000	0.45	0.00	25.01	472.6	674.130
1	27.751	123.751	0.000	0.26	0.00	24.94	472.2	670.880

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 1  27.835 123.835        0.000     0.07     0.00     24.88    471.8    667.631
 1  27.918 123.918        0.000     0.00     0.00     24.81    471.4    664.385
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
--------------------------------------------------------------------------------
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1991.048 AF
    BASIN  STORAGE =      0.000 AF (WITH      0.000 AF INITIALLY FILLED)
    OUTFLOW VOLUME =   1991.047 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      125.0     250.0     375.0     500.0
--------------------------------------------------------------------------------
  96.000    463.6258    290.64  .        V.          .  Q      .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    465.6184    289.33  .        V.          .  Q      .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    467.6022    288.04  .        V.          .  Q      .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    469.5773    286.79  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    471.5442    285.59  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    473.5034    284.47  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    475.4557    283.48  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    477.4022    282.64  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    479.3437    281.90  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    481.2805    281.23  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    483.2130    280.60  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    485.1415    280.02  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    487.0663    279.47  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    488.9875    278.96  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    490.9053    278.47  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    492.8200    278.01  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    494.7316    277.57  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    496.6404    277.15  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    498.5463    276.74  .         V          . Q       .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    500.4489    276.26  .         V          . Q       .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    502.3477    275.70  .         V          . Q       .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    504.2427    275.15  .         V          . Q       .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    506.1341    274.62  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    508.0219    274.11  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    509.9063    273.62  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    511.7875    273.14  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    513.6654    272.68  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    515.5402    272.22  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    517.4120    271.78  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    519.2808    271.35  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    521.1468    270.94  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    523.0099    270.53  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    524.8704    270.14  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    526.7283    269.76  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    528.5836    269.39  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    530.4364    269.03  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    532.2869    268.68  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    534.1350    268.35  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    535.9810    268.03  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    537.8247    267.72  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    539.6664    267.42  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    541.5062    267.13  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    543.3440    266.85  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    545.1800    266.59  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    547.0143    266.34  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    548.8469    266.10  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    550.6780    265.87  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    552.5075    265.65  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    554.3356    265.44  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.000)
 100.083    556.1624    265.25  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.083)
 100.167    557.9879    265.06  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.167)
 100.250    559.8122    264.88  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.250)
 100.333    561.6353    264.72  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.333)
 100.417    563.4574    264.56  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.417)
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100.500    565.2784    264.42  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.500)
100.583    567.0986    264.28  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.583)
100.667    568.9178    264.16  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.667)
100.750    570.7363    264.05  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.750)
100.833    572.5541    263.94  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.833)
100.917    574.3713    263.85  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.917)
101.000    576.1879    263.77  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.000)
101.083    578.0040    263.70  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.083)
101.167    579.8196    263.64  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.167)
101.250    581.6350    263.59  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.250)
101.333    583.4501    263.55  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.333)
101.417    585.2650    263.52  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.417)
101.500    587.0797    263.50  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.500)
101.583    588.8944    263.49  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.583)
101.667    590.7091    263.50  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.667)
101.750    592.5239    263.51  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.750)
101.833    594.3389    263.54  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.833)
101.917    596.1542    263.57  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.917)
102.000    597.9697    263.62  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.000)
102.083    599.7857    263.68  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.083)
102.167    601.6022    263.75  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.167)
102.250    603.4192    263.83  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.250)
102.333    605.2368    263.92  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.333)
102.417    607.0551    264.02  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.417)
102.500    608.8742    264.13  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.500)
102.583    610.6942    264.26  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.583)
102.667    612.5151    264.40  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.667)
102.750    614.3370    264.54  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.750)
102.833    616.1600    264.70  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.833)
102.917    617.9842    264.87  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.917)
103.000    619.8096    265.06  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.000)
103.083    621.6364    265.25  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.083)
103.167    623.4647    265.46  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.167)
103.250    625.2944    265.68  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.250)
103.333    627.1257    265.91  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.333)
103.417    628.9587    266.15  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.417)
103.500    630.7934    266.40  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.500)
103.583    632.6299    266.67  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.583)
103.667    634.4684    266.95  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.667)
103.750    636.3090    267.24  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.750)
103.833    638.1516    267.55  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.833)
103.917    639.9963    267.86  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.917)
104.000    641.8434    268.19  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   8.000)
104.083    643.6928    268.54  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   8.083)
104.167    645.5447    268.89  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   8.167)
104.250    647.3991    269.27  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.250)
104.333    649.2562    269.65  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.333)
104.417    651.1160    270.05  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.417)
104.500    652.9786    270.46  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.500)
104.583    654.8442    270.88  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.583)
104.667    656.7128    271.32  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.667)
104.750    658.5845    271.78  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.750)
104.833    660.4595    272.24  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.833)
104.917    662.3378    272.73  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.917)
105.000    664.2195    273.23  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   9.000)
105.083    666.1047    273.74  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   9.083)
105.167    667.9937    274.27  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   9.167)
105.250    669.8863    274.81  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   9.250)
105.333    671.7828    275.37  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.333)
105.417    673.6832    275.95  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.417)
105.500    675.5873    276.48  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.500)
105.583    677.4945    276.92  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.583)
105.667    679.4045    277.33  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.667)
105.750    681.3173    277.75  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.750)
105.833    683.2332    278.18  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.833)
105.917    685.1520    278.62  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.917)
106.000    687.0741    279.08  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.000)
106.083    688.9994    279.55  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.083)
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 106.167    690.9280    280.04  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.167)
 106.250    692.8601    280.53  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.250)
 106.333    694.7957    281.05  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.333)
 106.417    696.7349    281.57  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.417)
 106.500    698.6779    282.11  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.500)
 106.583    700.6246    282.67  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.583)
 106.667    702.5753    283.24  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.667)
 106.750    704.5301    283.83  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.750)
 106.833    706.4890    284.43  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.833)
 106.917    708.4522    285.05  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.917)
 107.000    710.4197    285.69  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  11.000)
 107.083    712.3918    286.34  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  11.083)
 107.167    714.3685    287.01  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  11.167)
 107.250    716.3499    287.70  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.250)
 107.333    718.3361    288.41  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.333)
 107.417    720.3274    289.13  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.417)
 107.500    722.3238    289.88  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.500)
 107.583    724.3254    290.64  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.583)
 107.667    726.3325    291.43  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.667)
 107.750    728.3452    292.23  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.750)
 107.833    730.3635    293.06  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.833)
 107.917    732.3876    293.91  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.917)
 108.000    734.4178    294.78  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.000)
 108.083    736.4542    295.69  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.083)
 108.167    738.4971    296.63  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.167)
 108.250    740.5469    297.63  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.250)
 108.333    742.6041    298.70  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.333)
 108.417    744.6692    299.86  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.417)
 108.500    746.7434    301.17  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.500)
 108.583    748.8278    302.66  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.583)
 108.667    750.9233    304.27  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.667)
 108.750    753.0305    305.96  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.750)
 108.833    755.1498    307.73  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.833)
 108.917    757.2809    309.43  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.917)
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 109.000    759.4232    311.06  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  13.000)
 109.083    761.5770    312.73  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.083)
 109.167    763.7426    314.44  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.167)
 109.250    765.9203    316.21  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.250)
 109.333    768.1107    318.04  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.333)
 109.417    770.3140    319.92  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.417)
 109.500    772.5307    321.87  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.500)
 109.583    774.7615    323.91  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.583)
 109.667    777.0068    326.03  .         .    V    .     Q   .         .
(PEAK DAY 1, HOUR  13.667)
 109.750    779.2675    328.25  .         .    V    .     Q   .         .
(PEAK DAY 1, HOUR  13.750)
 109.833    781.5441    330.57  .         .    V    .     Q   .         .
(PEAK DAY 1, HOUR  13.833)
 109.917    783.8375    332.99  .         .    V    .     Q   .         .
(PEAK DAY 1, HOUR  13.917)
 110.000    786.1483    335.53  .         .    V    .     Q   .         .
(PEAK DAY 1, HOUR  14.000)
 110.083    788.4755    337.90  .         .    V    .      Q  .         .
(PEAK DAY 1, HOUR  14.083)
 110.167    790.8152    339.74  .         .    V    .      Q  .         .
(PEAK DAY 1, HOUR  14.167)
 110.250    793.1661    341.35  .         .    V    .      Q  .         .
(PEAK DAY 1, HOUR  14.250)
 110.333    795.5292    343.12  .         .    V    .      Q  .         .
(PEAK DAY 1, HOUR  14.333)
 110.417    797.9060    345.11  .         .     V   .      Q  .         .
(PEAK DAY 1, HOUR  14.417)
 110.500    800.2986    347.41  .         .     V   .      Q  .         .
(PEAK DAY 1, HOUR  14.500)
 110.583    802.7097    350.08  .         .     V   .       Q .         .
(PEAK DAY 1, HOUR  14.583)
 110.667    805.1409    353.02  .         .     V   .       Q .         .
(PEAK DAY 1, HOUR  14.667)
 110.750    807.5938    356.16  .         .     V   .       Q .         .
(PEAK DAY 1, HOUR  14.750)
 110.833    810.0696    359.49  .         .     V   .       Q .         .
(PEAK DAY 1, HOUR  14.833)
 110.917    812.5696    362.99  .         .     V   .        Q.         .
(PEAK DAY 1, HOUR  14.917)
 111.000    815.0928    366.37  .         .     V   .        Q.         .
(PEAK DAY 1, HOUR  15.000)
 111.083    817.6376    369.51  .         .     V   .        Q.         .
(PEAK DAY 1, HOUR  15.083)
 111.167    820.2044    372.70  .         .     V   .        Q.         .
(PEAK DAY 1, HOUR  15.167)
 111.250    822.7942    376.03  .         .     V   .         Q         .
(PEAK DAY 1, HOUR  15.250)
 111.333    825.4080    379.52  .         .     V   .         Q         .
(PEAK DAY 1, HOUR  15.333)
 111.417    828.0467    383.15  .         .     V   .         Q         .
(PEAK DAY 1, HOUR  15.417)
 111.500    830.7112    386.89  .         .     V   .         Q         .
(PEAK DAY 1, HOUR  15.500)
 111.583    833.4018    390.67  .         .     V   .         .Q        .
(PEAK DAY 1, HOUR  15.583)
 111.667    836.1178    394.37  .         .     V   .         .Q        .
(PEAK DAY 1, HOUR  15.667)
 111.750    838.8589    398.00  .         .     V   .         .Q        .
(PEAK DAY 1, HOUR  15.750)
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111.833    841.6243    401.53  .          .     V   .          . Q        .
(PEAK DAY 1, HOUR  15.833)
111.917    844.4132    404.95  .          .     V   .          . Q        .
(PEAK DAY 1, HOUR  15.917)
112.000    847.2269    408.55  .          .      V  .          . Q        .
(PEAK DAY 1, HOUR  16.000)
112.083    850.0698    412.80  .          .      V  .          .  Q       .
(PEAK DAY 1, HOUR  16.083)
112.167    852.9480    417.91  .          .      V  .          .  Q       .
(PEAK DAY 1, HOUR  16.167)
112.250    855.8679    423.97  .          .      V  .          .  Q       .
(PEAK DAY 1, HOUR  16.250)
112.333    858.8379    431.24  .          .      V  .          .   Q      .
(PEAK DAY 1, HOUR  16.333)
112.417    861.8680    439.97  .          .      V  .          .    Q     .
(PEAK DAY 1, HOUR  16.417)
112.500    864.9730    450.84  .          .      V  .          .     Q    .
(PEAK DAY 1, HOUR  16.500)
112.583    868.1440    460.43  .          .      V  .          .     Q    .
(PEAK DAY 1, HOUR  16.583)
112.667    871.3514    465.72  .          .      V  .          .      Q   .
(PEAK DAY 1, HOUR  16.667)
112.750    874.5817    469.03  .          .      V  .          .      Q   .
(PEAK DAY 1, HOUR  16.750)
112.833    877.8322    471.98  .          .      V  .          .      Q   .
(PEAK DAY 1, HOUR  16.833)
112.917    881.1024    474.84  .          .      V  .          .      Q   .
(PEAK DAY 1, HOUR  16.917)
113.000    884.3914    477.56  .          .      V  .          .       Q  .
(PEAK DAY 1, HOUR  17.000)
113.083    887.6978    480.08  .          .      V  .          .       Q  .
(PEAK DAY 1, HOUR  17.083)
113.167    891.0200    482.39  .          .      V  .          .       Q  .
(PEAK DAY 1, HOUR  17.167)
113.250    894.3569    484.52  .          .      V  .          .       Q  .
(PEAK DAY 1, HOUR  17.250)
113.333    897.7076    486.53  .          .       V .          .       Q  .
(PEAK DAY 1, HOUR  17.333)
113.417    901.0715    488.42  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.417)
113.500    904.4468    490.10  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.500)
113.583    907.8320    491.53  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.583)
113.667    911.2258    492.77  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.667)
113.750    914.6270    493.86  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.750)
113.833    918.0346    494.80  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.833)
113.917    921.4479    495.62  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.917)
114.000    924.8663    496.35  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.000)
114.083    928.2889    496.96  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.083)
114.167    931.7149    497.46  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.167)
114.250    935.1439    497.89  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.250)
114.333    938.5754    498.27  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.333)
114.417    942.0093    498.60  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.417)
114.500    945.4451    498.87  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.500)
114.583    948.8824    499.10  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  18.583)
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114.667    952.3210    499.27  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  18.667)
114.750    955.7605    499.42  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  18.750)
114.833    959.2008    499.53  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  18.833)
114.917    962.6417    499.62  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  18.917)
115.000    966.0831    499.69  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.000)
115.083    969.5249    499.74  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.083)
115.167    972.9669    499.78  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.167)
115.250    976.4091    499.80  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.250)
115.333    979.8512    499.80  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.333)
115.417    983.2933    499.80  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.417)
115.500    986.7354    499.78  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.500)
115.583    990.1772    499.75  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.583)
115.667    993.6188    499.72  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.667)
115.750    997.0600    499.67  .          .         V          .        Q.
(PEAK DAY 1, HOUR  19.750)
115.833   1000.5009    499.61  .          .         V          .        Q.
(PEAK DAY 1, HOUR  19.833)
115.917   1003.9412    499.53  .          .         V          .        Q.
(PEAK DAY 1, HOUR  19.917)
116.000   1007.3808    499.44  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.000)
116.083   1010.8197    499.33  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.083)
116.167   1014.2578    499.21  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.167)
116.250   1017.6951    499.09  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.250)
116.333   1021.1315    498.96  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.333)
116.417   1024.5669    498.83  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.417)
116.500   1028.0013    498.69  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.500)
116.583   1031.4348    498.54  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.583)
116.667   1034.8673    498.39  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.667)
116.750   1038.2987    498.23  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.750)
116.833   1041.7290    498.07  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.833)
116.917   1045.1581    497.91  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.917)
117.000   1048.5861    497.73  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.000)
117.083   1052.0128    497.56  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.083)
117.167   1055.4384    497.38  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.167)
117.250   1058.8625    497.20  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.250)
117.333   1062.2855    497.01  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.333)
117.417   1065.7072    496.82  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.417)
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 117.500   1069.1274    496.63  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.500)
 117.583   1072.5464    496.44  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.583)
 117.667   1075.9640    496.24  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.667)
 117.750   1079.3802    496.04  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.750)
 117.833   1082.7950    495.83  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.833)
 117.917   1086.2085    495.63  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.917)
 118.000   1089.6205    495.42  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  22.000)
 118.083   1093.0310    495.21  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  22.083)
 118.167   1096.4401    494.99  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.167)
 118.250   1099.8477    494.78  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.250)
 118.333   1103.2537    494.56  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.333)
 118.417   1106.6582    494.34  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.417)
 118.500   1110.0613    494.12  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.500)
 118.583   1113.4628    493.89  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.583)
 118.667   1116.8627    493.67  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.667)
 118.750   1120.2610    493.44  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.750)
 118.833   1123.6577    493.21  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.833)
 118.917   1127.0529    492.98  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.917)
 119.000   1130.4464    492.74  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  23.000)
 119.083   1133.8384    492.51  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  23.083)
 119.167   1137.2286    492.27  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  23.167)
 119.250   1140.6173    492.03  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  23.250)
 119.333   1144.0043    491.79  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  23.333)
 119.417   1147.3896    491.55  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.417)
 119.500   1150.7733    491.31  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.500)
 119.583   1154.1553    491.06  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.583)
 119.667   1157.5355    490.81  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.667)
 119.750   1160.9141    490.57  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.750)
 119.833   1164.2909    490.32  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.833)
 119.917   1167.6660    490.07  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.917)
 120.000   1171.0394    489.82  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.000)
 120.083   1174.4110    489.56  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.083)
 120.167   1177.7809    489.30  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.167)
 120.250   1181.1489    489.03  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.250)
 120.333   1184.5150    488.75  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.333)
 120.417   1187.8790    488.46  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.417)
 120.500   1191.2408    488.13  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.500)
 120.583   1194.6002    487.77  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.583)
 120.667   1197.9569    487.39  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  24.667)
 120.750   1201.3109    487.00  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  24.750)
 120.833   1204.6621    486.59  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  24.833)
 120.917   1208.0105    486.18  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  24.917)
 121.000   1211.3560    485.76  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.000)
 121.083   1214.6986    485.34  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.083)
 121.167   1218.0385    484.94  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.167)
 121.250   1221.3755    484.54  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.250)
 121.333   1224.7097    484.14  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.333)
 121.417   1228.0413    483.73  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.417)
 121.500   1231.3700    483.32  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.500)
 121.583   1234.6958    482.91  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.583)
 121.667   1238.0188    482.50  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.667)
 121.750   1241.3390    482.09  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.750)
 121.833   1244.6562    481.67  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  25.833)
 121.917   1247.9707    481.26  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  25.917)
 122.000   1251.2823    480.84  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.000)
 122.083   1254.5911    480.43  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.083)
 122.167   1257.8970    480.01  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.167)
 122.250   1261.2000    479.60  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.250)
 122.333   1264.5001    479.18  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.333)
 122.417   1267.7974    478.77  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.417)
 122.500   1271.0918    478.35  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.500)
 122.583   1274.3834    477.94  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.583)
 122.667   1277.6721    477.52  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.667)
 122.750   1280.9580    477.11  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.750)
 122.833   1284.2410    476.69  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.833)
 122.917   1287.5211    476.28  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.917)
 123.000   1290.7985    475.87  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  27.000)
 123.083   1294.0729    475.45  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  27.083)
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```
 123.167   1297.3445    475.04  .         .         .     V   .       Q .
 (PEAK DAY 1, HOUR  27.167)
 123.250   1300.6133    474.62  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1303.8792    474.21  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1307.1422    473.80  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.417)
 123.500   1310.4025    473.39  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.500)
 123.583   1313.6599    472.97  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.583)
 123.667   1316.9144    472.56  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.667)
 123.750   1320.1663    472.16  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.750)
 123.833   1323.4154    471.78  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.833)
 123.917   1326.6620    471.41  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.917)
 124.000   1329.9060    471.03  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE = 5.2
--------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     408.00
           DOWNSTREAM ELEVATION(FT) =     382.00
           CHANNEL LENGTH(FT) =    2533.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =   499.80
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =   371.92
           CHANNEL NORMAL VELOCITY FOR Q =   371.92 CFS =   6.28 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.787

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.775


         CONVEX METHOD CHANNEL ROUTING RESULTS:
                                              OUTFLOW LESS
               CLOCK        INFLOW     ROUTED      LOSS
PEAK    TIME   TIME       (STREAM 1)    FLOW     (STREAM 1)
 DAY   (HRS)   (HRS)         (CFS)       (CFS)      (CFS)
  2   24.000  96.000       290.64      292.43      292.43
```

1	0.083	96.083	289.33	291.10	291.10
1	0.167	96.167	288.04	289.79	289.79
1	0.250	96.250	286.79	288.49	288.49
1	0.333	96.333	285.59	287.23	287.23
1	0.417	96.417	284.47	286.02	286.02
1	0.500	96.500	283.48	284.87	284.87
1	0.583	96.583	282.64	283.83	283.83
1	0.667	96.667	281.90	282.94	282.94
1	0.750	96.750	281.23	282.17	282.17
1	0.833	96.833	280.60	281.47	281.47
1	0.917	96.917	280.02	280.83	280.83
1	1.000	97.000	279.47	280.23	280.23
1	1.083	97.083	278.96	279.67	279.67
1	1.167	97.167	278.47	279.14	279.14
1	1.250	97.250	278.01	278.64	278.64
1	1.333	97.333	277.57	278.17	278.17
1	1.417	97.417	277.15	277.72	277.72
1	1.500	97.500	276.74	277.29	277.29
1	1.583	97.583	276.26	276.88	276.88
1	1.667	97.667	275.70	276.43	276.43
1	1.750	97.750	275.15	275.89	275.89
1	1.833	97.833	274.62	275.35	275.35
1	1.917	97.917	274.11	274.81	274.81
1	2.000	98.000	273.62	274.29	274.29
1	2.083	98.083	273.14	273.79	273.79
1	2.167	98.167	272.68	273.31	273.31
1	2.250	98.250	272.22	272.84	272.84
1	2.333	98.333	271.78	272.38	272.38
1	2.417	98.417	271.35	271.94	271.94
1	2.500	98.500	270.94	271.51	271.51
1	2.583	98.583	270.53	271.08	271.08
1	2.667	98.667	270.14	270.67	270.67
1	2.750	98.750	269.76	270.28	270.28
1	2.833	98.833	269.39	269.89	269.89
1	2.917	98.917	269.03	269.52	269.52
1	3.000	99.000	268.68	269.16	269.16
1	3.083	99.083	268.35	268.81	268.81
1	3.167	99.167	268.03	268.47	268.47
1	3.250	99.250	267.72	268.14	268.14
1	3.333	99.333	267.42	267.83	267.83
1	3.417	99.417	267.13	267.52	267.52
1	3.500	99.500	266.85	267.23	267.23
1	3.583	99.583	266.59	266.95	266.95
1	3.667	99.667	266.34	266.68	266.68
1	3.750	99.750	266.10	266.43	266.43
1	3.833	99.833	265.87	266.18	266.18
1	3.917	99.917	265.65	265.95	265.95
1	4.000	100.000	265.44	265.73	265.73
1	4.083	100.083	265.25	265.52	265.52
1	4.167	100.167	265.06	265.32	265.32
1	4.250	100.250	264.88	265.13	265.13
1	4.333	100.333	264.72	264.95	264.95
1	4.417	100.417	264.56	264.78	264.78
1	4.500	100.500	264.42	264.62	264.62
1	4.583	100.583	264.28	264.47	264.47
1	4.667	100.667	264.16	264.33	264.33
1	4.750	100.750	264.05	264.20	264.20
1	4.833	100.833	263.94	264.09	264.09
1	4.917	100.917	263.85	263.98	263.98
1	5.000	101.000	263.77	263.88	263.88
1	5.083	101.083	263.70	263.80	263.80
1	5.167	101.167	263.64	263.72	263.72
1	5.250	101.250	263.59	263.66	263.66
1	5.333	101.333	263.55	263.61	263.61
1	5.417	101.417	263.52	263.56	263.56
1	5.500	101.500	263.50	263.53	263.53
1	5.583	101.583	263.49	263.51	263.51
1	5.667	101.667	263.50	263.50	263.50

1	5.750	101.750	263.51	263.50	263.50
1	5.833	101.833	263.54	263.51	263.51
1	5.917	101.917	263.57	263.53	263.53
1	6.000	102.000	263.62	263.56	263.56
1	6.083	102.083	263.68	263.61	263.61
1	6.167	102.167	263.75	263.66	263.66
1	6.250	102.250	263.83	263.72	263.72
1	6.333	102.333	263.92	263.80	263.80
1	6.417	102.417	264.02	263.89	263.89
1	6.500	102.500	264.13	263.99	263.99
1	6.583	102.583	264.26	264.10	264.10
1	6.667	102.667	264.40	264.22	264.22
1	6.750	102.750	264.54	264.35	264.35
1	6.833	102.833	264.70	264.49	264.49
1	6.917	102.917	264.87	264.65	264.65
1	7.000	103.000	265.06	264.82	264.82
1	7.083	103.083	265.25	264.99	264.99
1	7.167	103.167	265.46	265.18	265.18
1	7.250	103.250	265.68	265.39	265.39
1	7.333	103.333	265.91	265.60	265.60
1	7.417	103.417	266.15	265.83	265.83
1	7.500	103.500	266.40	266.07	266.07
1	7.583	103.583	266.67	266.32	266.32
1	7.667	103.667	266.95	266.58	266.58
1	7.750	103.750	267.24	266.85	266.85
1	7.833	103.833	267.55	267.14	267.14
1	7.917	103.917	267.86	267.44	267.44
1	8.000	104.000	268.19	267.75	267.75
1	8.083	104.083	268.54	268.08	268.08
1	8.167	104.167	268.89	268.42	268.42
1	8.250	104.250	269.27	268.77	268.77
1	8.333	104.333	269.65	269.14	269.14
1	8.417	104.417	270.05	269.52	269.52
1	8.500	104.500	270.46	269.91	269.91
1	8.583	104.583	270.88	270.32	270.32
1	8.667	104.667	271.32	270.74	270.74
1	8.750	104.750	271.78	271.17	271.17
1	8.833	104.833	272.24	271.62	271.62
1	8.917	104.917	272.73	272.08	272.08
1	9.000	105.000	273.23	272.56	272.56
1	9.083	105.083	273.74	273.05	273.05
1	9.167	105.167	274.27	273.56	273.56
1	9.250	105.250	274.81	274.08	274.08
1	9.333	105.333	275.37	274.62	274.62
1	9.417	105.417	275.95	275.18	275.18
1	9.500	105.500	276.48	275.75	275.75
1	9.583	105.583	276.92	276.29	276.29
1	9.667	105.667	277.33	276.76	276.76
1	9.750	105.750	277.75	277.18	277.18
1	9.833	105.833	278.18	277.60	277.60
1	9.917	105.917	278.62	278.03	278.03
1	10.000	106.000	279.08	278.47	278.47
1	10.083	106.083	279.55	278.92	278.92
1	10.167	106.167	280.04	279.39	279.39
1	10.250	106.250	280.53	279.87	279.87
1	10.333	106.333	281.05	280.36	280.36
1	10.417	106.417	281.57	280.87	280.87
1	10.500	106.500	282.11	281.39	281.39
1	10.583	106.583	282.67	281.93	281.93
1	10.667	106.667	283.24	282.48	282.48
1	10.750	106.750	283.83	283.04	283.04
1	10.833	106.833	284.43	283.63	283.63
1	10.917	106.917	285.05	284.22	284.22
1	11.000	107.000	285.69	284.84	284.84
1	11.083	107.083	286.34	285.47	285.47
1	11.167	107.167	287.01	286.12	286.12
1	11.250	107.250	287.70	286.78	286.78
1	11.333	107.333	288.41	287.46	287.46
1	11.417	107.417	289.13	288.16	288.16
1	11.500	107.500	289.88	288.88	288.88
1	11.583	107.583	290.64	289.62	289.62
1	11.667	107.667	291.43	290.38	290.38
1	11.750	107.750	292.23	291.16	291.16
1	11.833	107.833	293.06	291.96	291.96
1	11.917	107.917	293.91	292.78	292.78
1	12.000	108.000	294.78	293.62	293.62
1	12.083	108.083	295.69	294.48	294.48
1	12.167	108.167	296.63	295.37	295.37
1	12.250	108.250	297.63	296.30	296.30
1	12.333	108.333	298.70	297.28	297.28
1	12.417	108.417	299.86	298.33	298.33
1	12.500	108.500	301.17	299.46	299.46
1	12.583	108.583	302.66	300.73	300.73
1	12.667	108.667	304.27	302.16	302.16
1	12.750	108.750	305.96	303.72	303.72
1	12.833	108.833	307.73	305.38	305.38
1	12.917	108.917	309.43	307.12	307.12
1	13.000	109.000	311.06	308.84	308.84
1	13.083	109.083	312.73	310.49	310.49
1	13.167	109.167	314.44	312.15	312.15
1	13.250	109.250	316.21	313.85	313.85
1	13.333	109.333	318.04	315.60	315.60
1	13.417	109.417	319.92	317.41	317.41
1	13.500	109.500	321.87	319.27	319.27
1	13.583	109.583	323.91	321.20	321.20
1	13.667	109.667	326.03	323.21	323.21
1	13.750	109.750	328.25	325.30	325.30
1	13.833	109.833	330.57	327.48	327.48
1	13.917	109.917	332.99	329.77	329.77
1	14.000	110.000	335.53	332.16	332.16
1	14.083	110.083	337.90	334.66	334.66
1	14.167	110.167	339.74	337.06	337.06
1	14.250	110.250	341.35	339.05	339.05
1	14.333	110.333	343.12	340.76	340.76
1	14.417	110.417	345.11	342.51	342.51
1	14.500	110.500	347.41	344.43	344.43
1	14.583	110.583	350.08	346.64	346.64
1	14.667	110.667	353.02	349.18	349.18
1	14.750	110.750	356.16	352.02	352.02
1	14.833	110.833	359.49	355.09	355.09
1	14.917	110.917	362.99	358.35	358.35
1	15.000	111.000	366.37	361.79	361.79
1	15.083	111.083	369.51	365.18	365.18
1	15.167	111.167	372.70	368.40	368.40
1	15.250	111.250	376.03	371.59	371.59
1	15.333	111.333	379.52	374.88	374.88
1	15.417	111.417	383.15	378.32	378.32
1	15.500	111.500	386.89	381.90	381.90
1	15.583	111.583	390.67	385.60	385.60
1	15.667	111.667	394.37	389.36	389.36
1	15.750	111.750	398.00	393.07	393.07
1	15.833	111.833	401.53	396.73	396.73
1	15.917	111.917	404.95	400.29	400.29
1	16.000	112.000	408.55	403.75	403.75
1	16.083	112.083	412.80	407.31	407.31
1	16.167	112.167	417.91	411.37	411.37
1	16.250	112.250	423.97	416.21	416.21
1	16.333	112.333	431.24	421.95	421.95
1	16.417	112.417	439.97	428.82	428.82
1	16.500	112.500	450.84	437.07	437.07
1	16.583	112.583	460.43	447.25	447.25
1	16.667	112.667	465.72	457.03	457.03
1	16.750	112.750	469.03	463.53	463.53
1	16.833	112.833	471.98	467.64	467.64
1	16.917	112.917	474.84	470.87	470.87
1	17.000	113.000	477.56	473.82	473.82

1	17.083	113.083	480.08	476.60	476.60
1	17.167	113.167	482.39	479.18	479.18
1	17.250	113.250	484.52	481.57	481.57
1	17.333	113.333	486.53	483.76	483.76
1	17.417	113.417	488.42	485.81	485.81
1	17.500	113.500	490.10	487.75	487.75
1	17.583	113.583	491.53	489.50	489.50
1	17.667	113.667	492.77	491.01	491.01
1	17.750	113.750	493.86	492.32	492.32
1	17.833	113.833	494.80	493.46	493.46
1	17.917	113.917	495.62	494.45	494.45
1	18.000	114.000	496.35	495.32	495.32
1	18.083	114.083	496.96	496.08	496.08
1	18.167	114.167	497.46	496.73	496.73
1	18.250	114.250	497.89	497.27	497.27
1	18.333	114.333	498.27	497.73	497.73
1	18.417	114.417	498.60	498.13	498.13
1	18.500	114.500	498.87	498.48	498.48
1	18.583	114.583	499.10	498.77	498.77
1	18.667	114.667	499.27	499.01	499.01
1	18.750	114.750	499.42	499.21	499.21
1	18.833	114.833	499.53	499.36	499.36
1	18.917	114.917	499.62	499.49	499.49
1	19.000	115.000	499.69	499.59	499.59
1	19.083	115.083	499.74	499.67	499.67
1	19.167	115.167	499.78	499.72	499.72
1	19.250	115.250	499.80	499.76	499.76
1	19.333	115.333	499.80	499.79	499.79
1	19.417	115.417	499.80	499.80	499.80
1	19.500	115.500	499.78	499.80	499.80
1	19.583	115.583	499.75	499.79	499.79
1	19.667	115.667	499.72	499.76	499.76
1	19.750	115.750	499.67	499.73	499.73
1	19.833	115.833	499.61	499.68	499.68
1	19.917	115.917	499.53	499.63	499.63
1	20.000	116.000	499.44	499.56	499.56
1	20.083	116.083	499.33	499.47	499.47
1	20.167	116.167	499.21	499.37	499.37
1	20.250	116.250	499.09	499.25	499.25
1	20.333	116.333	498.96	499.13	499.13
1	20.417	116.417	498.83	499.01	499.01
1	20.500	116.500	498.69	498.88	498.88
1	20.583	116.583	498.54	498.74	498.74
1	20.667	116.667	498.39	498.59	498.59
1	20.750	116.750	498.23	498.44	498.44
1	20.833	116.833	498.07	498.29	498.29
1	20.917	116.917	497.91	498.13	498.13
1	21.000	117.000	497.73	497.96	497.96
1	21.083	117.083	497.56	497.79	497.79
1	21.167	117.167	497.38	497.62	497.62
1	21.250	117.250	497.20	497.44	497.44
1	21.333	117.333	497.01	497.26	497.26
1	21.417	117.417	496.82	497.08	497.08
1	21.500	117.500	496.63	496.89	496.89
1	21.583	117.583	496.44	496.70	496.70
1	21.667	117.667	496.24	496.50	496.50
1	21.750	117.750	496.04	496.31	496.31
1	21.833	117.833	495.83	496.11	496.11
1	21.917	117.917	495.63	495.91	495.91
1	22.000	118.000	495.42	495.70	495.70
1	22.083	118.083	495.21	495.49	495.49
1	22.167	118.167	494.99	495.28	495.28
1	22.250	118.250	494.78	495.07	495.07
1	22.333	118.333	494.56	494.85	494.85
1	22.417	118.417	494.34	494.64	494.64
1	22.500	118.500	494.12	494.42	494.42
1	22.583	118.583	493.89	494.20	494.20
1	22.667	118.667	493.67	493.97	493.97
1	22.750	118.750	493.44	493.75	493.75
1	22.833	118.833	493.21	493.52	493.52
1	22.917	118.917	492.98	493.29	493.29
1	23.000	119.000	492.74	493.06	493.06
1	23.083	119.083	492.51	492.82	492.82
1	23.167	119.167	492.27	492.59	492.59
1	23.250	119.250	492.03	492.35	492.35
1	23.333	119.333	491.79	492.11	492.11
1	23.417	119.417	491.55	491.88	491.88
1	23.500	119.500	491.31	491.63	491.63
1	23.583	119.583	491.06	491.39	491.39
1	23.667	119.667	490.81	491.15	491.15
1	23.750	119.750	490.57	490.90	490.90
1	23.833	119.833	490.32	490.65	490.65
1	23.917	119.917	490.07	490.40	490.40
1	24.000	120.000	489.82	490.15	490.15
1	24.083	120.083	489.56	489.90	489.90
1	24.167	120.167	489.30	489.65	489.65
1	24.250	120.250	489.03	489.39	489.39
1	24.333	120.333	488.75	489.13	489.13
1	24.417	120.417	488.46	488.85	488.85
1	24.500	120.500	488.13	488.56	488.56
1	24.583	120.583	487.77	488.24	488.24
1	24.667	120.667	487.39	487.90	487.90
1	24.750	120.750	487.00	487.52	487.52
1	24.833	120.833	486.59	487.13	487.13
1	24.917	120.917	486.18	486.73	486.73
1	25.000	121.000	485.76	486.32	486.32
1	25.083	121.083	485.34	485.90	485.90
1	25.167	121.167	484.94	485.49	485.49
1	25.250	121.250	484.54	485.08	485.08
1	25.333	121.333	484.14	484.68	484.68
1	25.417	121.417	483.73	484.28	484.28
1	25.500	121.500	483.32	483.87	483.87
1	25.583	121.583	482.91	483.47	483.47
1	25.667	121.667	482.50	483.06	483.06
1	25.750	121.750	482.09	482.65	482.65
1	25.833	121.833	481.67	482.23	482.23
1	25.917	121.917	481.26	481.82	481.82
1	26.000	122.000	480.84	481.40	481.40
1	26.083	122.083	480.43	480.99	480.99
1	26.167	122.167	480.01	480.57	480.57
1	26.250	122.250	479.60	480.16	480.16
1	26.333	122.333	479.18	479.74	479.74
1	26.417	122.417	478.77	479.33	479.33
1	26.500	122.500	478.35	478.91	478.91
1	26.583	122.583	477.94	478.50	478.50
1	26.667	122.667	477.52	478.08	478.08
1	26.750	122.750	477.11	477.67	477.67
1	26.833	122.833	476.69	477.25	477.25
1	26.917	122.917	476.28	476.84	476.84
1	27.000	123.000	475.87	476.42	476.42
1	27.083	123.083	475.45	476.01	476.01
1	27.167	123.167	475.04	475.60	475.60
1	27.250	123.250	474.62	475.18	475.18
1	27.333	123.333	474.21	474.77	474.77
1	27.417	123.417	473.80	474.36	474.36
1	27.500	123.500	473.39	473.94	473.94
1	27.583	123.583	472.97	473.53	473.53
1	27.667	123.667	472.56	473.12	473.12
1	27.750	123.750	472.16	472.70	472.70
1	27.833	123.833	471.78	472.30	472.30
1	27.917	123.917	471.41	471.92	471.92
1	28.000	124.000	471.03	471.54	471.54

Note: Computed Hydrograph continues past two days after the peak day of the design storm.

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PROCESS SUMMARY OF STORAGE:

```
    INFLOW  VOLUME =   1991.046 AF
    OUTFLOW VOLUME =   1991.045 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6300.00 TO NODE   6311.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   299.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     299.300 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.250 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
         +------------------+--------+--------+--------+--------+--------+
         | RAINFALL DEPTHS & |        |        |        |        |        |
         |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
         |==================+========+========+========+========+========|
         | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
         |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
         |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
         |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
         |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
         |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
         |==================+========+========+========+========+========|
         | LOSS RATE(IN/HR)  |   0.260|   0.260|   0.260|   0.260|   0.260|
         | LOW LOSS FRACTION |   0.500|   0.730|   0.930|   0.990|   0.990|
         +------------------+--------+--------+--------+--------+--------+
           5-MINUTE FACTOR = 0.987
          30-MINUTE FACTOR = 0.987
           1-HOUR FACTOR = 0.987
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                3.852               139.411
         2               18.445               528.231
         3               39.624               766.604
         4               55.845               587.160
         5               64.124               299.680
         6               70.038               214.036
         7               74.639               166.538
         8               78.230               130.017
         9               81.158               105.957
        10               83.587                87.936
        11               85.638                74.235
        12               87.267                58.971
        13               88.619                48.932
        14               89.699                39.084
        15               90.702                36.306
        16               91.629                33.565
        17               92.506                31.749
        18               93.325                29.632
        19               94.080                27.335
        20               94.768                24.914
        21               95.424                23.727
        22               95.971                19.796
        23               96.509                19.477
        24               97.020                18.507
        25               97.406                13.985
        26               97.766                13.021
        27               98.126                13.018
        28               98.458                12.019
        29               98.594                 4.931
        30               98.692                 3.557
        31               98.791                 3.557
        32               98.889                 3.550
        33               98.987                 3.557
        34               99.085                 3.551
        35               99.183                 3.557
        36               99.281                 3.550
        37               99.380                 3.550
        38               99.478                 3.550
        39               99.576                 3.550
        40               99.674                 3.550
        41               99.772                 3.550
        42               99.870                 3.550
        43               99.968                 3.550
        44              100.000                 1.157


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     162.2768
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     126.0595
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 175.0 350.0 525.0 700.0
96.000	32.8756	3.82	Q V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	32.9046	4.22	Q V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	32.9446	5.81	Q V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	33.0007	8.14	Q V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	33.0691	9.93	Q V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	33.1439	10.86	Q V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	33.2233	11.53	Q V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	33.3064	12.07	Q V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	33.3925	12.50	Q V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	33.4810	12.85	Q V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	33.5716	13.16	Q V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	33.6640	13.42	Q V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	33.7579	13.64	Q V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	33.8532	13.83	Q V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	33.9496	13.99	Q V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	34.0470	14.15	Q V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	34.1455	14.30	Q V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	34.2449	14.44	Q V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	34.3453	14.58	Q V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	34.4466	14.71	Q V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	34.5487	14.83	Q V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	34.6517	14.96	Q V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	34.7555	15.07	Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	34.8601	15.18	Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	34.9654	15.29	Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	35.0714	15.39	Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	35.1780	15.48	Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	35.2853	15.58	Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	35.3933	15.67	Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	35.5017	15.75	Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	35.6106	15.81	Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	35.7200	15.88	Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	35.8299	15.95	Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	35.9403	16.03	Q .V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	36.0511	16.10	Q .V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	36.1625	16.17	Q .V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	36.2744	16.24	Q .V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	36.3867	16.32	Q .V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	36.4996	16.39	Q .V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	36.6130	16.47	Q .V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	36.7270	16.54	Q .V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	36.8414	16.62	Q .V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	36.9564	16.70	Q .V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	37.0720	16.78	Q .V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	37.1880	16.85	Q .V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	37.3045	16.92	Q .V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	37.4215	16.99	Q .V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	37.5390	17.06	Q .V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	37.6569	17.13	Q .V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	37.7754	17.20	Q .V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	37.8943	17.27	Q . V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	38.0138	17.35	Q . V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	38.1338	17.42	Q . V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	38.2543	17.50	Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	38.3753	17.57	.Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	38.4969	17.65	.Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	38.6190	17.73	.Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	38.7416	17.81	.Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	38.8648	17.89	.Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	38.9885	17.97	.Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	39.1128	18.05	.Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	39.2377	18.13	.Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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101.167     39.3632     18.22  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250     39.4892     18.30  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333     39.6158     18.39  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417     39.7430     18.47  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500     39.8709     18.56  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583     39.9993     18.65  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667     40.1283     18.74  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750     40.2580     18.83  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833     40.3883     18.92  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917     40.5193     19.02  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000     40.6509     19.11  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083     40.7832     19.21  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167     40.9161     19.30  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250     41.0497     19.40  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333     41.1841     19.50  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417     41.3191     19.60  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500     41.4548     19.71  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583     41.5912     19.81  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667     41.7283     19.91  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750     41.8662     20.02  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833     42.0048     20.13  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917     42.1442     20.24  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000     42.2844     20.35  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083     42.4253     20.46  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167     42.5670     20.58  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250     42.7096     20.69  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333     42.8529     20.81  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417     42.9970     20.93  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500     43.1420     21.05  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583     43.2879     21.18  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667     43.4346     21.30  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750     43.5822     21.43  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833     43.7307     21.56  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917     43.8801     21.69  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.917)
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104.000     44.0304     21.82  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083     44.1816     21.96  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167     44.3338     22.10  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250     44.4869     22.24  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333     44.6411     22.38  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417     44.7962     22.52  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500     44.9523     22.67  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583     45.1095     22.82  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667     45.2677     22.97  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750     45.4270     23.13  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833     45.5874     23.29  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917     45.7489     23.45  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000     45.9115     23.61  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083     46.0752     23.78  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167     46.2402     23.95  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250     46.4063     24.12  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333     46.5736     24.30  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417     46.7422     24.48  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500     46.9120     24.66  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583     47.0831     24.85  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667     47.2556     25.04  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750     47.4293     25.23  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833     47.6045     25.43  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917     47.7810     25.63  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000     47.9590     25.84  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083     48.1383     26.05  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167     48.3192     26.26  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250     48.5016     26.48  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333     48.6856     26.71  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417     48.8711     26.94  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500     49.0583     27.18  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583     49.2471     27.42  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667     49.4376     27.66  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750     49.6299     27.91  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.750)
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106.833     49.8239     28.17  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917     50.0198     28.44  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000     50.2175     28.71  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083     50.4171     28.99  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167     50.6187     29.27  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250     50.8223     29.57  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333     51.0280     29.87  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417     51.2359     30.17  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500     51.4459     30.49  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583     51.6581     30.82  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667     51.8727     31.15  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750     52.0896     31.50  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833     52.3090     31.85  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917     52.5309     32.22  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000     52.7554     32.60  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083     52.9850     33.34  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167     53.2266     35.09  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250     53.4846     37.46  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333     53.7559     39.39  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417     54.0356     40.62  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500     54.3224     41.64  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583     54.6155     42.56  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667     54.9144     43.40  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750     55.2188     44.20  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833     55.5286     44.98  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917     55.8436     45.74  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000     56.1638     46.49  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083     56.4890     47.23  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167     56.8194     47.97  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250     57.1551     48.73  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333     57.4961     49.52  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417     57.8427     50.33  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500     58.1951     51.16  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583     58.5534     52.03  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.583)
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109.667     58.9178     52.92  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750     59.2887     53.85  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833     59.6663     54.82  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917     60.0508     55.83  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  13.917)
110.000     60.4427     56.90  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.000)
110.083     60.8424     58.05  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.083)
110.167     61.2514     59.39  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.167)
110.250     61.6706     60.87  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.250)
110.333     62.1002     62.37  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.333)
110.417     62.5398     63.84  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.417)
110.500     62.9900     65.37  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.500)
110.583     63.4513     66.98  . Q       .         V         .         .
(PEAK DAY 1, HOUR  14.583)
110.667     63.9245     68.71  . Q       .         V         .         .
(PEAK DAY 1, HOUR  14.667)
110.750     64.4112     70.66  .  Q       .         V         .         .
(PEAK DAY 1, HOUR  14.750)
110.833     64.9150     73.15  .  Q       .         V         .         .
(PEAK DAY 1, HOUR  14.833)
110.917     65.4407     76.34  .  Q       .         V         .         .
(PEAK DAY 1, HOUR  14.917)
111.000     65.9935     80.25  .  Q       .         V         .         .
(PEAK DAY 1, HOUR  15.000)
111.083     66.5774     84.78  .  Q       .         .V        .         .
(PEAK DAY 1, HOUR  15.083)
111.167     67.1973     90.01  .   Q       .         .V        .         .
(PEAK DAY 1, HOUR  15.167)
111.250     67.8580     95.94  .   Q       .         .V        .         .
(PEAK DAY 1, HOUR  15.250)
111.333     68.5659    102.79  .   Q       .         .V        .         .
(PEAK DAY 1, HOUR  15.333)
111.417     69.3190    109.35  .    Q       .         .V        .         .
(PEAK DAY 1, HOUR  15.417)
111.500     70.1017    113.65  .    Q       .         . V       .         .
(PEAK DAY 1, HOUR  15.500)
111.583     70.9099    117.35  .    Q       .         . V       .         .
(PEAK DAY 1, HOUR  15.583)
111.667     71.7709    125.02  .     Q       .         . V       .         .
(PEAK DAY 1, HOUR  15.667)
111.750     72.7266    138.77  .     Q       .         .  V      .         .
(PEAK DAY 1, HOUR  15.750)
111.833     73.8217    159.00  .       Q.        .         .  V      .         .
(PEAK DAY 1, HOUR  15.833)
111.917     75.1262    189.42  .        Q        .         .  V      .         .
(PEAK DAY 1, HOUR  15.917)
112.000     76.7812    240.31  .         .  Q      .         .   V     .         .
(PEAK DAY 1, HOUR  16.000)
112.083     79.3056    366.54  .         .        Q    V    .         .
(PEAK DAY 1, HOUR  16.083)
112.167     83.2784    576.85  .         .        .     V   . Q       .
(PEAK DAY 1, HOUR  16.167)
112.250     87.9056    671.87  .         .        .      V  .       Q .
(PEAK DAY 1, HOUR  16.250)
112.333     91.7172    553.44  .         .        .        V.Q       .
(PEAK DAY 1, HOUR  16.333)
112.417     94.3714    385.40  .         .        . Q      V.        .
(PEAK DAY 1, HOUR  16.417)
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112.500     96.5294    313.35  .          .      Q  .         V         .
(PEAK DAY 1, HOUR  16.500)
112.583     98.3808    268.82  .          .    Q    .         .V        .
(PEAK DAY 1, HOUR  16.583)
112.667     99.9869    233.20  .          .  Q      .         .V        .
(PEAK DAY 1, HOUR  16.667)
112.750    101.3946    204.39  .         .Q         .         . V       .
(PEAK DAY 1, HOUR  16.750)
112.833    102.6383    180.59  .         Q          .         . V       .
(PEAK DAY 1, HOUR  16.833)
112.917    103.7472    161.01  .        Q.          .         . V       .
(PEAK DAY 1, HOUR  16.917)
113.000    104.7342    143.32  .       Q .          .         .  V      .
(PEAK DAY 1, HOUR  17.000)
113.083    105.6298    130.03  .      Q  .          .         .  V      .
(PEAK DAY 1, HOUR  17.083)
113.167    106.4471    118.67  .     Q   .          .         .  V      .
(PEAK DAY 1, HOUR  17.167)
113.250    107.2151    111.51  .     Q   .          .         .   V     .
(PEAK DAY 1, HOUR  17.250)
113.333    107.9404    105.32  .     Q   .          .         .   V     .
(PEAK DAY 1, HOUR  17.333)
113.417    108.6304    100.18  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.417)
113.500    109.2865     95.26  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.500)
113.583    109.9104     90.59  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.583)
113.667    110.5035     86.13  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  17.667)
113.750    111.0709     82.38  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  17.750)
113.833    111.6069     77.82  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  17.833)
113.917    112.1224     74.86  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  17.917)
114.000    112.6157     71.63  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  18.000)
114.083    113.0756     66.78  .  Q      .          .         .    V    .
(PEAK DAY 1, HOUR  18.083)
114.167    113.5071     62.65  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.167)
114.250    113.9085     58.29  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.250)
114.333    114.2791     53.80  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.333)
114.417    114.6084     47.83  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.417)
114.500    114.9178     44.92  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.500)
114.583    115.2148     43.12  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.583)
114.667    115.5015     41.63  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.667)
114.750    115.7791     40.30  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.750)
114.833    116.0483     39.09  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.833)
114.917    116.3100     38.00  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.917)
115.000    116.5650     37.02  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  19.000)
115.083    116.8138     36.13  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.083)
115.167    117.0569     35.29  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.167)
115.250    117.2943     34.47  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.250)
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115.333    117.5261     33.65  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.333)
115.417    117.7521     32.82  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.417)
115.500    117.9719     31.91  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.500)
115.583    118.1844     30.86  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.583)
115.667    118.3832     28.87  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.667)
115.750    118.5730     27.55  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.750)
115.833    118.7582     26.88  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.833)
115.917    118.9394     26.31  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.917)
116.000    119.1169     25.78  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.000)
116.083    119.2911     25.29  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.083)
116.167    119.4621     24.83  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.167)
116.250    119.6301     24.40  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.250)
116.333    119.7954     24.00  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.333)
116.417    119.9582     23.64  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.417)
116.500    120.1186     23.29  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.500)
116.583    120.2767     22.96  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.583)
116.667    120.4326     22.64  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.667)
116.750    120.5864     22.33  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.750)
116.833    120.7382     22.03  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.833)
116.917    120.8879     21.75  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.917)
117.000    121.0358     21.47  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.000)
117.083    121.1818     21.20  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.083)
117.167    121.3261     20.94  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.167)
117.250    121.4686     20.69  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.250)
117.333    121.6094     20.45  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.333)
117.417    121.7486     20.21  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.417)
117.500    121.8862     19.98  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.500)
117.583    122.0223     19.76  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.583)
117.667    122.1569     19.55  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.667)
117.750    122.2902     19.34  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.750)
117.833    122.4220     19.15  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.833)
117.917    122.5526     18.96  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.917)
118.000    122.6818     18.77  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  22.000)
118.083    122.8099     18.59  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  22.083)
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 118.167    122.9367     18.41  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.167)
 118.250    123.0623     18.24  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.250)
 118.333    123.1867     18.07  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.333)
 118.417    123.3100     17.90  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.417)
 118.500    123.4322     17.74  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.500)
 118.583    123.5533     17.59  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.583)
 118.667    123.6734     17.43  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  22.667)
 118.750    123.7924     17.28  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  22.750)
 118.833    123.9104     17.14  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  22.833)
 118.917    124.0275     16.99  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  22.917)
 119.000    124.1436     16.85  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.000)
 119.083    124.2587     16.72  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.083)
 119.167    124.3729     16.58  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.167)
 119.250    124.4862     16.45  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.250)
 119.333    124.5986     16.32  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.333)
 119.417    124.7101     16.20  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.417)
 119.500    124.8208     16.07  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.500)
 119.583    124.9307     15.95  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.583)
 119.667    125.0397     15.83  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.667)
 119.750    125.1480     15.72  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.750)
 119.833    125.2554     15.60  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.833)
 119.917    125.3621     15.49  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.917)
 120.000    125.4680     15.38  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.000)
 120.083    125.5693     14.71  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.083)
 120.167    125.6552     12.46  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.167)
 120.250    125.7190      9.27  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.250)
 120.333    125.7661      6.83  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.333)
 120.417    125.8044      5.57  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.417)
 120.500    125.8365      4.66  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.500)
 120.583    125.8637      3.95  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.583)
 120.667    125.8871      3.40  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.667)
 120.750    125.9073      2.94  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.750)
 120.833    125.9250      2.56  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.833)
 120.917    125.9405      2.25  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.917)
 121.000    125.9542      1.99  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.000)
 121.083    125.9664      1.78  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.083)
 121.167    125.9775      1.61  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.167)
 121.250    125.9874      1.45  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.250)
 121.333    125.9964      1.30  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.333)
 121.417    126.0044      1.16  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.417)
 121.500    126.0116      1.04  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.500)
 121.583    126.0179      0.92  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.583)
 121.667    126.0234      0.81  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.667)
 121.750    126.0283      0.71  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.750)
 121.833    126.0326      0.62  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.833)
 121.917    126.0363      0.54  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.917)
 122.000    126.0395      0.46  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.000)
 122.083    126.0423      0.40  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.083)
 122.167    126.0446      0.35  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.167)
 122.250    126.0466      0.29  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.250)
 122.333    126.0483      0.24  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.333)
 122.417    126.0498      0.22  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.417)
 122.500    126.0512      0.20  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.500)
 122.583    126.0524      0.19  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.583)
 122.667    126.0536      0.17  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.667)
 122.750    126.0547      0.15  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.750)
 122.833    126.0556      0.14  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.833)
 122.917    126.0565      0.12  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.917)
 123.000    126.0572      0.11  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.000)
 123.083    126.0579      0.09  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.083)
 123.167    126.0584      0.08  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.167)
 123.250    126.0588      0.06  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.250)
 123.333    126.0592      0.05  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.333)
 123.417    126.0594      0.03  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.417)
 123.500    126.0595      0.02  Q          .         .         .          V
 (PEAK DAY 1, HOUR  27.500)
 123.583    126.0596      0.00  Q          .         .         .          V
 (PEAK DAY 1, HOUR  27.583)
 ================================================================================


 ********************************************************************************
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```
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***
============================================================================


****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
          (Note: Time indicated is at END of Each Unit Intervals)
----------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      275.0     550.0     825.0    1100.0
----------------------------------------------------------------------------
  96.000    493.7987    296.25  .        VQ         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    495.8326    295.32  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    497.8684    295.60  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    499.9113    296.63  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    501.9579    297.16  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    504.0024    296.88  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    506.0438    296.40  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    508.0817    295.90  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    510.1164    295.44  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    512.1482    295.02  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    514.1773    294.62  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    516.2038    294.25  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    518.2277    293.87  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    520.2490    293.50  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    522.2679    293.13  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    524.2844    292.79  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    526.2986    292.47  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    528.3107    292.16  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    530.3209    291.87  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    532.3291    291.59  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    534.3350    291.26  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    536.3381    290.85  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    538.3383    290.41  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    540.3354    289.99  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    542.3298    289.58  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    544.3215    289.18  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    546.3104    288.79  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    548.2968    288.42  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    550.2807    288.06  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    552.2620    287.68  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    554.2408    287.32  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    556.2172    286.97  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    558.1912    286.63  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    560.1630    286.30  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    562.1326    285.99  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    564.1002    285.69  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    566.0657    285.40  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    568.0294    285.12  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    569.9913    284.86  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    571.9514    284.61  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    573.9099    284.37  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    575.8668    284.14  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    577.8222    283.93  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    579.7762    283.73  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    581.7289    283.53  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    583.6804    283.34  .         QV        .         .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    585.6306    283.17  .         QV        .         .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    587.5797    283.01  .         QV        .         .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    589.5277    282.86  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.000)
 100.083    591.4748    282.72  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.083)
 100.167    593.4210    282.59  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.167)
 100.250    595.3664    282.47  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.250)
 100.333    597.3111    282.37  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.333)
 100.417    599.2551    282.27  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.417)
 100.500    601.1986    282.19  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.500)
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100.583    603.1416    282.12  .         QV        .         .         .
(PEAK DAY 1, HOUR   4.583)
100.667    605.0842    282.06  .         QV        .         .         .
(PEAK DAY 1, HOUR   4.667)
100.750    607.0264    282.01  .         QV        .         .         .
(PEAK DAY 1, HOUR   4.750)
100.833    608.9683    281.97  .         QV        .         .         .
(PEAK DAY 1, HOUR   4.833)
100.917    610.9101    281.95  .         QV        .         .         .
(PEAK DAY 1, HOUR   4.917)
101.000    612.8518    281.93  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.000)
101.083    614.7935    281.93  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.083)
101.167    616.7352    281.94  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250    618.6771    281.96  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333    620.6191    281.99  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417    622.5615    282.04  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500    624.5043    282.09  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583    626.4475    282.16  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667    628.3913    282.24  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750    630.3357    282.33  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833    632.2808    282.43  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917    634.2267    282.55  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000    636.1735    282.67  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083    638.1213    282.81  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167    640.0701    282.96  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250    642.0200    283.13  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333    643.9711    283.30  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417    645.9235    283.49  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500    647.8773    283.69  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583    649.8325    283.90  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667    651.7894    284.13  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750    653.7479    284.37  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833    655.7081    284.62  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917    657.6701    284.89  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000    659.6340    285.17  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083    661.6000    285.46  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167    663.5681    285.76  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250    665.5383    286.08  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333    667.5109    286.41  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417    669.4858    286.76  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500    671.4632    287.12  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583    673.4432    287.49  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667    675.4258    287.88  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750    677.4113    288.28  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833    679.3995    288.70  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917    681.3908    289.13  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.917)
104.000    683.3851    289.58  .         Q V       .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083    685.3826    290.04  .         Q V       .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167    687.3834    290.52  .         Q V       .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250    689.3876    291.01  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333    691.3953    291.52  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417    693.4066    292.04  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500    695.4216    292.58  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583    697.4405    293.14  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667    699.4633    293.71  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750    701.4902    294.30  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833    703.5212    294.91  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917    705.5565    295.53  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000    707.5963    296.17  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083    709.6406    296.83  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167    711.6895    297.51  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250    713.7433    298.20  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333    715.8019    298.92  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417    717.8657    299.65  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500    719.9346    300.41  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583    722.0085    301.14  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667    724.0870    301.80  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750    726.1697    302.41  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833    728.2567    303.03  .         .Q V      .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917    730.3480    303.66  .         .Q V      .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000    732.4437    304.31  .         .Q V      .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083    734.5441    304.97  .         .Q V      .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167    736.6491    305.65  .         .Q V      .         .         .
(PEAK DAY 1, HOUR  10.167)
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106.250    738.7590    306.35  .         .Q V      .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333    740.8738    307.07  .         .Q V      .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417    742.9937    307.81  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500    745.1188    308.57  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583    747.2493    309.34  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667    749.3853    310.14  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750    751.5269    310.96  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.750)
106.833    753.6743    311.80  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    755.8276    312.66  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    757.9870    313.55  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    760.1526    314.46  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167    762.3248    315.39  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250    764.5035    316.35  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333    766.6890    317.33  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417    768.8813    318.34  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500    771.0809    319.37  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583    773.2877    320.44  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667    775.5021    321.53  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750    777.7243    322.65  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833    779.9544    323.81  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917    782.1927    324.99  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000    784.4393    326.21  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083    786.6971    327.82  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167    788.9730    330.46  .         . Q V     .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250    791.2717    333.76  .         . Q V     .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333    793.5904    336.68  .         . Q V     .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417    795.9247    338.95  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500    798.2739    341.10  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583    800.6381    343.29  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667    803.0180    345.56  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750    805.4142    347.92  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833    807.8271    350.36  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917    810.2573    352.86  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000    812.7045    355.32  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  13.000)
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109.083    815.1681    357.72  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167    817.6483    360.12  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250    820.1454    362.58  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333    822.6600    365.12  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417    825.1926    367.73  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500    827.7438    370.43  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583    830.3142    373.22  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.583)
109.667    832.9046    376.13  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750    835.5158    379.15  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833    838.1487    382.31  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917    840.8044    385.60  .         .   QV    .         .         .
(PEAK DAY 1, HOUR  13.917)
110.000    843.4838    389.05  .         .   QV    .         .         .
(PEAK DAY 1, HOUR  14.000)
110.083    846.1884    392.71  .         .   QV    .         .         .
(PEAK DAY 1, HOUR  14.083)
110.167    848.9188    396.45  .         .   Q V   .         .         .
(PEAK DAY 1, HOUR  14.167)
110.250    851.6731    399.92  .         .   Q V   .         .         .
(PEAK DAY 1, HOUR  14.250)
110.333    854.4495    403.13  .         .   Q V   .         .         .
(PEAK DAY 1, HOUR  14.333)
110.417    857.2480    406.35  .         .   Q V   .         .         .
(PEAK DAY 1, HOUR  14.417)
110.500    860.0703    409.80  .         .   Q V   .         .         .
(PEAK DAY 1, HOUR  14.500)
110.583    862.9189    413.62  .         .    QV   .         .         .
(PEAK DAY 1, HOUR  14.583)
110.667    865.7970    417.89  .         .    QV   .         .         .
(PEAK DAY 1, HOUR  14.667)
110.750    868.7081    422.69  .         .    QV   .         .         .
(PEAK DAY 1, HOUR  14.750)
110.833    871.6573    428.24  .         .    QV   .         .         .
(PEAK DAY 1, HOUR  14.833)
110.917    874.6511    434.69  .         .    QV   .         .         .
(PEAK DAY 1, HOUR  14.917)
111.000    877.6954    442.04  .         .     Q   .         .         .
(PEAK DAY 1, HOUR  15.000)
111.083    880.7944    449.97  .         .     Q   .         .         .
(PEAK DAY 1, HOUR  15.083)
111.167    883.9514    458.40  .         .     Q   .         .         .
(PEAK DAY 1, HOUR  15.167)
111.250    887.1713    467.53  .         .     VQ  .         .         .
(PEAK DAY 1, HOUR  15.250)
111.333    890.4611    477.67  .         .     VQ  .         .         .
(PEAK DAY 1, HOUR  15.333)
111.417    893.8196    487.67  .         .     VQ  .         .         .
(PEAK DAY 1, HOUR  15.417)
111.500    897.2325    495.54  .         .     V Q .         .         .
(PEAK DAY 1, HOUR  15.500)
111.583    900.6964    502.95  .         .      VQ .         .         .
(PEAK DAY 1, HOUR  15.583)
111.667    904.2389    514.38  .         .      VQ .         .         .
(PEAK DAY 1, HOUR  15.667)
111.750    907.9017    531.84  .         .      V Q.         .         .
(PEAK DAY 1, HOUR  15.750)
111.833    911.7291    555.73  .         .      V  Q         .         .
(PEAK DAY 1, HOUR  15.833)
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111.917    915.7904    589.71  .         .      V  .Q       .         .
(PEAK DAY 1, HOUR  15.917)
112.000    920.2261    644.06  .         .      V  .  Q      .         .
(PEAK DAY 1, HOUR  16.000)
112.083    925.5556    773.84  .         .      V  .       Q .         .
(PEAK DAY 1, HOUR  16.083)
112.167    932.3615    988.22  .         .      V  .         .    Q    .
(PEAK DAY 1, HOUR  16.167)
112.250    939.8552   1088.08  .         .      V  .         .       Q.
(PEAK DAY 1, HOUR  16.250)
112.333    946.5728    975.39  .         .      V  .         .    Q    .
(PEAK DAY 1, HOUR  16.333)
112.417    952.1804    814.22  .         .      V  .        Q.         .
(PEAK DAY 1, HOUR  16.417)
112.500    957.3485    750.42  .         .       V .      Q  .         .
(PEAK DAY 1, HOUR  16.500)
112.583    962.2802    716.08  .         .       V .     Q   .         .
(PEAK DAY 1, HOUR  16.583)
112.667    967.0338    690.24  .         .       V .    Q    .         .
(PEAK DAY 1, HOUR  16.667)
112.750    971.6339    667.92  .         .       V .   Q     .         .
(PEAK DAY 1, HOUR  16.750)
112.833    976.0982    648.23  .         .       V .  Q      .         .
(PEAK DAY 1, HOUR  16.833)
112.917    980.4500    631.88  .         .       V . Q       .         .
(PEAK DAY 1, HOUR  16.917)
113.000    984.7002    617.14  .         .       V . Q       .         .
(PEAK DAY 1, HOUR  17.000)
113.083    988.8781    606.63  .         .       V . Q       .         .
(PEAK DAY 1, HOUR  17.083)
113.167    992.9955    597.85  .         .       V .Q        .         .
(PEAK DAY 1, HOUR  17.167)
113.250    997.0801    593.08  .         .       V .Q        .         .
(PEAK DAY 1, HOUR  17.250)
113.333   1001.1371    589.08  .         .       V .Q        .         .
(PEAK DAY 1, HOUR  17.333)
113.417   1005.1729    585.99  .         .       V .Q        .         .
(PEAK DAY 1, HOUR  17.417)
113.500   1009.1882    583.01  .         .        V.Q        .         .
(PEAK DAY 1, HOUR  17.500)
113.583   1013.1833    580.09  .         .        V.Q        .         .
(PEAK DAY 1, HOUR  17.583)
113.667   1017.1581    577.14  .         .        VQ         .         .
(PEAK DAY 1, HOUR  17.667)
113.750   1021.1161    574.70  .         .        VQ         .         .
(PEAK DAY 1, HOUR  17.750)
113.833   1025.0505    571.29  .         .        VQ         .         .
(PEAK DAY 1, HOUR  17.833)
113.917   1028.9714    569.31  .         .        VQ         .         .
(PEAK DAY 1, HOUR  17.917)
114.000   1032.8760    566.95  .         .        VQ         .         .
(PEAK DAY 1, HOUR  18.000)
114.083   1036.7524    562.86  .         .        VQ         .         .
(PEAK DAY 1, HOUR  18.083)
114.167   1040.6050    559.38  .         .        VQ         .         .
(PEAK DAY 1, HOUR  18.167)
114.250   1044.4312    555.56  .         .        VQ         .         .
(PEAK DAY 1, HOUR  18.250)
114.333   1048.2295    551.53  .         .        VQ         .         .
(PEAK DAY 1, HOUR  18.333)
114.417   1051.9895    545.95  .         .        Q.         .         .
(PEAK DAY 1, HOUR  18.417)
114.500   1055.7319    543.40  .         .        Q.         .         .
(PEAK DAY 1, HOUR  18.500)
114.583   1059.4640    541.89  .         .        QV         .         .
(PEAK DAY 1, HOUR  18.583)
114.667   1063.1875    540.65  .         .        QV         .         .
(PEAK DAY 1, HOUR  18.667)
114.750   1066.9031    539.50  .         .        QV         .         .
(PEAK DAY 1, HOUR  18.750)
114.833   1070.6115    538.45  .         .        QV         .         .
(PEAK DAY 1, HOUR  18.833)
114.917   1074.3131    537.49  .         .        QV         .         .
(PEAK DAY 1, HOUR  18.917)
115.000   1078.0088    536.61  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.000)
115.083   1081.6989    535.80  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.083)
115.167   1085.3835    535.02  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.167)
115.250   1089.0629    534.24  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.250)
115.333   1092.7367    533.44  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.333)
115.417   1096.4049    532.62  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.417)
115.500   1100.0668    531.71  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.500)
115.583   1103.7213    530.65  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.583)
115.667   1107.3621    528.63  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.667)
115.750   1110.9935    527.28  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.750)
115.833   1114.6200    526.57  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  19.833)
115.917   1118.2422    525.94  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  19.917)
116.000   1121.8602    525.34  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.000)
116.083   1125.4742    524.75  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.083)
116.167   1129.0844    524.20  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.167)
116.250   1132.6908    523.66  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.250)
116.333   1136.2937    523.13  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.333)
116.417   1139.8932    522.64  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.417)
116.500   1143.4894    522.17  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.500)
116.583   1147.0823    521.69  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.583)
116.667   1150.6720    521.23  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.667)
116.750   1154.2585    520.77  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.750)
116.833   1157.8420    520.32  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.833)
116.917   1161.4225    519.88  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.917)
117.000   1164.9999    519.43  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.000)
117.083   1168.5742    519.00  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.083)
117.167   1172.1456    518.56  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.167)
117.250   1175.7141    518.14  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.250)
117.333   1179.2797    517.71  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.333)
117.417   1182.8423    517.29  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.417)
117.500   1186.4020    516.87  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.500)
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117.583	1189.9589	516.46	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 21.583)										
117.667	1193.5129	516.05	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 21.667)										
117.750	1197.0642	515.65	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 21.750)										
117.833	1200.6128	515.26	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 21.833)										
117.917	1204.1587	514.86	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 21.917)										
118.000	1207.7019	514.47	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.000)										
118.083	1211.2424	514.08	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.083)										
118.167	1214.7803	513.69	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.167)										
118.250	1218.3154	513.31	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.250)										
118.333	1221.8479	512.92	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.333)										
118.417	1225.3778	512.54	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.417)										
118.500	1228.9050	512.16	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.500)										
118.583	1232.4297	511.78	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.583)										
118.667	1235.9518	511.40	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.667)										
118.750	1239.4713	511.03	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.750)										
118.833	1242.9883	510.66	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.833)										
118.917	1246.5027	510.28	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.917)										
119.000	1250.0145	509.91	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.000)										
119.083	1253.5238	509.54	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.083)										
119.167	1257.0305	509.17	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.167)										
119.250	1260.5347	508.80	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.250)										
119.333	1264.0363	508.44	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.333)										
119.417	1267.5354	508.07	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.417)										
119.500	1271.0320	507.71	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.500)										
119.583	1274.5261	507.34	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.583)										
119.667	1278.0177	506.98	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.667)										
119.750	1281.5068	506.62	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.750)										
119.833	1284.9934	506.26	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.833)										
119.917	1288.4775	505.89	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.917)										
120.000	1291.9592	505.53	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.000)										
120.083	1295.4344	504.61	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.083)										
120.167	1298.8926	502.11	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.167)										
120.250	1302.3269	498.66	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.250)										
120.333	1305.7426	495.95	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.333)										
120.417	1309.1476	494.42	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.417)										
120.500	1312.5444	493.22	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.500)										
120.583	1315.9342	492.19	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.583)										
120.667	1319.3177	491.29	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.667)										
120.750	1322.6956	490.46	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.750)										
120.833	1326.0681	489.70	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.833)										
120.917	1329.4357	488.98	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.917)										
121.000	1332.7987	488.31	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.000)										
121.083	1336.1573	487.68	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.083)										
121.167	1339.5120	487.10	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.167)										
121.250	1342.8627	486.53	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.250)										
121.333	1346.2097	485.98	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.333)										
121.417	1349.5530	485.44	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.417)										
121.500	1352.8926	484.91	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.500)										
121.583	1356.2285	484.38	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.583)										
121.667	1359.5609	483.87	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.667)										
121.750	1362.8898	483.35	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.750)										
121.833	1366.2152	482.86	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.833)										
121.917	1369.5372	482.36	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.917)										
122.000	1372.8558	481.86	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.000)										
122.083	1376.1711	481.39	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.083)										
122.167	1379.4833	480.92	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.167)										
122.250	1382.7921	480.45	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.250)										
122.333	1386.0978	479.98	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.333)										
122.417	1389.4004	479.54	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.417)										
122.500	1392.7001	479.11	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.500)										
122.583	1395.9968	478.68	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.583)										
122.667	1399.2905	478.25	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.667)										
122.750	1402.5813	477.82	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.750)										
122.833	1405.8691	477.39	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.833)										
122.917	1409.1541	476.96	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.917)										
123.000	1412.4359	476.53	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 27.000)										
123.083	1415.7148	476.10	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 27.083)										
123.167	1418.9908	475.67	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 27.167)										

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 123.250   1422.2639    475.25  .         .      Q  .     V   .         .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1425.5341    474.82  .         .      Q  .     V   .         .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1428.8011    474.39  .         .      Q  .     V   .         .
 (PEAK DAY 1, HOUR  27.417)
 123.500   1432.0653    473.96  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.500)
 123.583   1435.3265    473.53  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.583)
 123.667   1438.5850    473.12  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.667)
 123.750   1441.8405    472.70  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.750)
 123.833   1445.0933    472.30  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.833)
 123.917   1448.3434    471.92  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.917)
 124.000   1451.5909    471.54  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE = 5.2
--------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     382.00
           DOWNSTREAM ELEVATION(FT) =     375.00
           CHANNEL LENGTH(FT) =    1141.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  1088.08
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =   653.80
           CHANNEL NORMAL VELOCITY FOR Q =   653.80 CFS =   6.34 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.789

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.933


         CONVEX METHOD CHANNEL ROUTING RESULTS:
                                                 OUTFLOW LESS
                CLOCK        INFLOW     ROUTED      LOSS
PEAK    TIME    TIME       (STREAM 1)    FLOW     (STREAM 1)
 DAY   (HRS)   (HRS)         (CFS)       (CFS)      (CFS)
  2   24.000  96.000       296.25      296.99      296.99
  1    0.083  96.083       295.32      295.84      295.84
  1    0.167  96.167       295.60      295.49      295.49
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1	0.250	96.250	296.63	296.10	296.10
1	0.333	96.333	297.16	296.86	296.86
1	0.417	96.417	296.88	297.00	297.00
1	0.500	96.500	296.40	296.65	296.65
1	0.583	96.583	295.90	296.17	296.17
1	0.667	96.667	295.44	295.69	295.69
1	0.750	96.750	295.02	295.25	295.25
1	0.833	96.833	294.62	294.84	294.84
1	0.917	96.917	294.25	294.45	294.45
1	1.000	97.000	293.87	294.07	294.07
1	1.083	97.083	293.50	293.70	293.70
1	1.167	97.167	293.13	293.33	293.33
1	1.250	97.250	292.79	292.98	292.98
1	1.333	97.333	292.47	292.64	292.64
1	1.417	97.417	292.16	292.33	292.33
1	1.500	97.500	291.87	292.03	292.03
1	1.583	97.583	291.59	291.74	291.74
1	1.667	97.667	291.26	291.44	291.44
1	1.750	97.750	290.85	291.07	291.07
1	1.833	97.833	290.41	290.65	290.65
1	1.917	97.917	289.99	290.22	290.22
1	2.000	98.000	289.58	289.81	289.81
1	2.083	98.083	289.18	289.40	289.40
1	2.167	98.167	288.79	289.01	289.01
1	2.250	98.250	288.42	288.62	288.62
1	2.333	98.333	288.06	288.25	288.25
1	2.417	98.417	287.68	287.89	287.89
1	2.500	98.500	287.32	287.52	287.52
1	2.583	98.583	286.97	287.16	287.16
1	2.667	98.667	286.63	286.81	286.81
1	2.750	98.750	286.30	286.48	286.48
1	2.833	98.833	285.99	286.16	286.16
1	2.917	98.917	285.69	285.85	285.85
1	3.000	99.000	285.40	285.56	285.56
1	3.083	99.083	285.12	285.27	285.27
1	3.167	99.167	284.86	285.00	285.00
1	3.250	99.250	284.61	284.75	284.75
1	3.333	99.333	284.37	284.50	284.50
1	3.417	99.417	284.14	284.27	284.27
1	3.500	99.500	283.93	284.05	284.05
1	3.583	99.583	283.73	283.84	283.84
1	3.667	99.667	283.53	283.64	283.64
1	3.750	99.750	283.34	283.45	283.45
1	3.833	99.833	283.17	283.26	283.26
1	3.917	99.917	283.01	283.09	283.09
1	4.000	100.000	282.86	282.94	282.94
1	4.083	100.083	282.72	282.79	282.79
1	4.167	100.167	282.59	282.66	282.66
1	4.250	100.250	282.47	282.54	282.54
1	4.333	100.333	282.37	282.42	282.42
1	4.417	100.417	282.27	282.32	282.32
1	4.500	100.500	282.19	282.24	282.24
1	4.583	100.583	282.12	282.16	282.16
1	4.667	100.667	282.06	282.09	282.09
1	4.750	100.750	282.01	282.04	282.04
1	4.833	100.833	281.97	281.99	281.99
1	4.917	100.917	281.95	281.96	281.96
1	5.000	101.000	281.93	281.94	281.94
1	5.083	101.083	281.93	281.93	281.93
1	5.167	101.167	281.94	281.94	281.94
1	5.250	101.250	281.96	281.95	281.95
1	5.333	101.333	281.99	281.98	281.98
1	5.417	101.417	282.04	282.01	282.01
1	5.500	101.500	282.09	282.06	282.06
1	5.583	101.583	282.16	282.12	282.12
1	5.667	101.667	282.24	282.19	282.19
1	5.750	101.750	282.33	282.28	282.28
1	5.833	101.833	282.43	282.38	282.38

1	5.917	101.917	282.55	282.48	282.48
1	6.000	102.000	282.67	282.60	282.60
1	6.083	102.083	282.81	282.74	282.74
1	6.167	102.167	282.96	282.88	282.88
1	6.250	102.250	283.13	283.04	283.04
1	6.333	102.333	283.30	283.21	283.21
1	6.417	102.417	283.49	283.39	283.39
1	6.500	102.500	283.69	283.58	283.58
1	6.583	102.583	283.90	283.79	283.79
1	6.667	102.667	284.13	284.01	284.01
1	6.750	102.750	284.37	284.24	284.24
1	6.833	102.833	284.62	284.49	284.49
1	6.917	102.917	284.89	284.74	284.74
1	7.000	103.000	285.17	285.02	285.02
1	7.083	103.083	285.46	285.30	285.30
1	7.167	103.167	285.76	285.60	285.60
1	7.250	103.250	286.08	285.91	285.91
1	7.333	103.333	286.41	286.23	286.23
1	7.417	103.417	286.76	286.57	286.57
1	7.500	103.500	287.12	286.92	286.92
1	7.583	103.583	287.49	287.29	287.29
1	7.667	103.667	287.88	287.67	287.67
1	7.750	103.750	288.28	288.06	288.06
1	7.833	103.833	288.70	288.47	288.47
1	7.917	103.917	289.13	288.90	288.90
1	8.000	104.000	289.58	289.34	289.34
1	8.083	104.083	290.04	289.79	289.79
1	8.167	104.167	290.52	290.26	290.26
1	8.250	104.250	291.01	290.74	290.74
1	8.333	104.333	291.52	291.24	291.24
1	8.417	104.417	292.04	291.76	291.76
1	8.500	104.500	292.58	292.29	292.29
1	8.583	104.583	293.14	292.84	292.84
1	8.667	104.667	293.71	293.40	293.40
1	8.750	104.750	294.30	293.98	293.98
1	8.833	104.833	294.91	294.58	294.58
1	8.917	104.917	295.53	295.19	295.19
1	9.000	105.000	296.17	295.82	295.82
1	9.083	105.083	296.83	296.47	296.47
1	9.167	105.167	297.51	297.14	297.14
1	9.250	105.250	298.20	297.83	297.83
1	9.333	105.333	298.92	298.53	298.53
1	9.417	105.417	299.65	299.26	299.26
1	9.500	105.500	300.41	300.00	300.00
1	9.583	105.583	301.14	300.74	300.74
1	9.667	105.667	301.80	301.43	301.43
1	9.750	105.750	302.41	302.07	302.07
1	9.833	105.833	303.03	302.69	302.69
1	9.917	105.917	303.66	303.32	303.32
1	10.000	106.000	304.31	303.96	303.96
1	10.083	106.083	304.97	304.61	304.61
1	10.167	106.167	305.65	305.28	305.28
1	10.250	106.250	306.35	305.97	305.97
1	10.333	106.333	307.07	306.68	306.68
1	10.417	106.417	307.81	307.41	307.41
1	10.500	106.500	308.57	308.16	308.16
1	10.583	106.583	309.34	308.92	308.92
1	10.667	106.667	310.14	309.71	309.71
1	10.750	106.750	310.96	310.52	310.52
1	10.833	106.833	311.80	311.34	311.34
1	10.917	106.917	312.66	312.19	312.19
1	11.000	107.000	313.55	313.07	313.07
1	11.083	107.083	314.46	313.96	313.96
1	11.167	107.167	315.39	314.88	314.88
1	11.250	107.250	316.35	315.83	315.83
1	11.333	107.333	317.33	316.79	316.79
1	11.417	107.417	318.34	317.79	317.79
1	11.500	107.500	319.37	318.81	318.81
1	11.583	107.583	320.44	319.86	319.86
1	11.667	107.667	321.53	320.94	320.94
1	11.750	107.750	322.65	322.05	322.05
1	11.833	107.833	323.81	323.18	323.18
1	11.917	107.917	324.99	324.35	324.35
1	12.000	108.000	326.21	325.55	325.55
1	12.083	108.083	327.82	326.96	326.96
1	12.167	108.167	330.46	329.06	329.06
1	12.250	108.250	333.76	331.99	331.99
1	12.333	108.333	336.68	335.08	335.08
1	12.417	108.417	338.95	337.69	337.69
1	12.500	108.500	341.10	339.92	339.92
1	12.583	108.583	343.29	342.10	342.10
1	12.667	108.667	345.56	344.33	344.33
1	12.750	108.750	347.92	346.64	346.64
1	12.833	108.833	350.36	349.04	349.04
1	12.917	108.917	352.86	351.50	351.50
1	13.000	109.000	355.32	353.98	353.98
1	13.083	109.083	357.72	356.41	356.41
1	13.167	109.167	360.12	358.81	358.81
1	13.250	109.250	362.58	361.25	361.25
1	13.333	109.333	365.12	363.74	363.74
1	13.417	109.417	367.73	366.31	366.31
1	13.500	109.500	370.43	368.97	368.97
1	13.583	109.583	373.22	371.71	371.71
1	13.667	109.667	376.13	374.55	374.55
1	13.750	109.750	379.15	377.51	377.51
1	13.833	109.833	382.31	380.59	380.59
1	13.917	109.917	385.60	383.81	383.81
1	14.000	110.000	389.05	387.18	387.18
1	14.083	110.083	392.71	390.73	390.73
1	14.167	110.167	396.45	394.42	394.42
1	14.250	110.250	399.92	398.02	398.02
1	14.333	110.333	403.13	401.37	401.37
1	14.417	110.417	406.35	404.60	404.60
1	14.500	110.500	409.80	407.93	407.93
1	14.583	110.583	413.62	411.56	411.56
1	14.667	110.667	417.89	415.59	415.59
1	14.750	110.750	422.69	420.10	420.10
1	14.833	110.833	428.24	425.25	425.25
1	14.917	110.917	434.69	431.21	431.21
1	15.000	111.000	442.04	438.08	438.08
1	15.083	111.083	449.97	445.68	445.68
1	15.167	111.167	458.40	453.83	453.83
1	15.250	111.250	467.53	462.59	462.59
1	15.333	111.333	477.67	472.19	472.19
1	15.417	111.417	487.67	482.23	482.23
1	15.500	111.500	495.54	491.18	491.18
1	15.583	111.583	502.95	498.90	498.90
1	15.667	111.667	514.38	508.30	508.30
1	15.750	111.750	531.84	522.57	522.57
1	15.833	111.833	555.73	542.98	542.98
1	15.917	111.917	589.71	571.61	571.61
1	16.000	112.000	644.06	615.25	615.25
1	16.083	112.083	773.84	706.01	706.01
1	16.167	112.167	988.22	874.83	874.83
1	16.250	112.250	1088.08	1029.82	1029.82
1	16.333	112.333	975.39	1028.75	1028.75
1	16.417	112.417	814.22	899.63	899.63
1	16.500	112.500	750.42	788.51	788.51
1	16.583	112.583	716.08	736.05	736.05
1	16.667	112.667	690.24	704.69	704.69
1	16.750	112.750	667.92	680.22	680.22
1	16.833	112.833	648.23	659.05	659.05
1	16.917	112.917	631.88	640.90	640.90
1	17.000	113.000	617.14	625.22	625.22
1	17.083	113.083	606.63	612.50	612.50
1	17.167	113.167	597.85	602.70	602.70

1	17.250 113.250	593.08	595.83	595.83
1	17.333 113.333	589.08	591.30	591.30
1	17.417 113.417	585.99	587.71	587.71
1	17.500 113.500	583.01	584.64	584.64
1	17.583 113.583	580.09	581.68	581.68
1	17.667 113.667	577.14	578.74	578.74
1	17.750 113.750	574.70	576.05	576.05
1	17.833 113.833	571.29	573.11	573.11
1	17.917 113.917	569.31	570.44	570.44
1	18.000 114.000	566.95	568.22	568.22
1	18.083 114.083	562.86	565.02	565.02
1	18.167 114.167	559.38	561.29	561.29
1	18.250 114.250	555.56	557.63	557.63
1	18.333 114.333	551.53	553.71	553.71
1	18.417 114.417	545.95	548.93	548.93
1	18.500 114.500	543.40	544.90	544.90
1	18.583 114.583	541.89	542.76	542.76
1	18.667 114.667	540.65	541.34	541.34
1	18.750 114.750	539.50	540.13	540.13
1	18.833 114.833	538.45	539.03	539.03
1	18.917 114.917	537.49	538.02	538.02
1	19.000 115.000	536.61	537.09	537.09
1	19.083 115.083	535.80	536.25	536.25
1	19.167 115.167	535.02	535.44	535.44
1	19.250 115.250	534.24	534.66	534.66
1	19.333 115.333	533.44	533.87	533.87
1	19.417 115.417	532.62	533.06	533.06
1	19.500 115.500	531.71	532.20	532.20
1	19.583 115.583	530.65	531.22	531.22
1	19.667 115.667	528.63	529.69	529.69
1	19.750 115.750	527.28	528.04	528.04
1	19.833 115.833	526.57	526.98	526.98
1	19.917 115.917	525.94	526.29	526.29
1	20.000 116.000	525.34	525.67	525.67
1	20.083 116.083	524.75	525.07	525.07
1	20.167 116.167	524.20	524.50	524.50
1	20.250 116.250	523.66	523.95	523.95
1	20.333 116.333	523.13	523.42	523.42
1	20.417 116.417	522.64	522.91	522.91
1	20.500 116.500	522.17	522.43	522.43
1	20.583 116.583	521.69	521.95	521.95
1	20.667 116.667	521.23	521.48	521.48
1	20.750 116.750	520.77	521.02	521.02
1	20.833 116.833	520.32	520.57	520.57
1	20.917 116.917	519.88	520.12	520.12
1	21.000 117.000	519.43	519.67	519.67
1	21.083 117.083	519.00	519.23	519.23
1	21.167 117.167	518.56	518.80	518.80
1	21.250 117.250	518.14	518.37	518.37
1	21.333 117.333	517.71	517.94	517.94
1	21.417 117.417	517.29	517.52	517.52
1	21.500 117.500	516.87	517.10	517.10
1	21.583 117.583	516.46	516.68	516.68
1	21.667 117.667	516.05	516.27	516.27
1	21.750 117.750	515.65	515.87	515.87
1	21.833 117.833	515.26	515.47	515.47
1	21.917 117.917	514.86	515.08	515.08
1	22.000 118.000	514.47	514.68	514.68
1	22.083 118.083	514.08	514.29	514.29
1	22.167 118.167	513.69	513.90	513.90
1	22.250 118.250	513.31	513.52	513.52
1	22.333 118.333	512.92	513.13	513.13
1	22.417 118.417	512.54	512.75	512.75
1	22.500 118.500	512.16	512.37	512.37
1	22.583 118.583	511.78	511.99	511.99
1	22.667 118.667	511.40	511.61	511.61
1	22.750 118.750	511.03	511.23	511.23
1	22.833 118.833	510.66	510.86	510.86
1	22.917 118.917	510.28	510.49	510.49
1	23.000 119.000	509.91	510.11	510.11
1	23.083 119.083	509.54	509.74	509.74
1	23.167 119.167	509.17	509.37	509.37
1	23.250 119.250	508.80	509.00	509.00
1	23.333 119.333	508.44	508.64	508.64
1	23.417 119.417	508.07	508.27	508.27
1	23.500 119.500	507.71	507.91	507.91
1	23.583 119.583	507.34	507.54	507.54
1	23.667 119.667	506.98	507.18	507.18
1	23.750 119.750	506.62	506.81	506.81
1	23.833 119.833	506.26	506.45	506.45
1	23.917 119.917	505.89	506.09	506.09
1	24.000 120.000	505.53	505.73	505.73
1	24.083 120.083	504.61	505.09	505.09
1	24.167 120.167	502.11	503.41	503.41
1	24.250 120.250	498.66	500.50	500.50
1	24.333 120.333	495.95	497.45	497.45
1	24.417 120.417	494.42	495.30	495.30
1	24.500 120.500	493.22	493.89	493.89
1	24.583 120.583	492.19	492.76	492.76
1	24.667 120.667	491.29	491.79	491.79
1	24.750 120.750	490.46	490.92	490.92
1	24.833 120.833	489.70	490.12	490.12
1	24.917 120.917	488.98	489.37	489.37
1	25.000 121.000	488.31	488.68	488.68
1	25.083 121.083	487.68	488.03	488.03
1	25.167 121.167	487.10	487.42	487.42
1	25.250 121.250	486.53	486.84	486.84
1	25.333 121.333	485.98	486.28	486.28
1	25.417 121.417	485.44	485.74	485.74
1	25.500 121.500	484.91	485.20	485.20
1	25.583 121.583	484.38	484.67	484.67
1	25.667 121.667	483.87	484.15	484.15
1	25.750 121.750	483.35	483.63	483.63
1	25.833 121.833	482.86	483.13	483.13
1	25.917 121.917	482.36	482.63	482.63
1	26.000 122.000	481.86	482.13	482.13
1	26.083 122.083	481.39	481.65	481.65
1	26.167 122.167	480.92	481.17	481.17
1	26.250 122.250	480.45	480.70	480.70
1	26.333 122.333	479.98	480.24	480.24
1	26.417 122.417	479.54	479.78	479.78
1	26.500 122.500	479.11	479.35	479.35
1	26.583 122.583	478.68	478.92	478.92
1	26.667 122.667	478.25	478.49	478.49
1	26.750 122.750	477.82	478.06	478.06
1	26.833 122.833	477.39	477.63	477.63
1	26.917 122.917	476.96	477.20	477.20
1	27.000 123.000	476.53	476.77	476.77
1	27.083 123.083	476.10	476.34	476.34
1	27.167 123.167	475.67	475.91	475.91
1	27.250 123.250	475.25	475.48	475.48
1	27.333 123.333	474.82	475.05	475.05
1	27.417 123.417	474.39	474.62	474.62
1	27.500 123.500	473.96	474.19	474.19
1	27.583 123.583	473.53	473.77	473.77
1	27.667 123.667	473.12	473.34	473.34
1	27.750 123.750	472.70	472.93	472.93
1	27.833 123.833	472.30	472.52	472.52
1	27.917 123.917	471.92	472.13	472.13
1	28.000 124.000	471.54	471.75	471.75

Note: Computed Hydrograph continues past two days after the peak day of the design storm.

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PROCESS SUMMARY OF STORAGE:

INFLOW VOLUME = 2117.105 AF

OUTFLOW VOLUME = 2117.103 AF

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    LOSS    VOLUME =      0.000 AF
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********************************************************************************
  FLOW PROCESS FROM NODE   6320.00 TO NODE   6330.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   300.7 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     300.700 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.290 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
         +------------------+--------+--------+--------+--------+--------+
         | RAINFALL DEPTHS & |        |        |        |        |        |
         |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
         |==================+========+========+========+========+========|
         | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
         |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
         |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
         |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
         |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
         |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
         |==================+========+========+========+========+========|
         | LOSS RATE(IN/HR)  |   0.240|   0.240|   0.240|   0.240|   0.240|
         | LOW LOSS FRACTION |   0.430|   0.670|   0.900|   0.990|   0.990|
         +------------------+--------+--------+--------+--------+--------+
           5-MINUTE FACTOR = 0.987
          30-MINUTE FACTOR = 0.987
           1-HOUR FACTOR = 0.987
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  28.736


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
        1               3.181               115.682
        2              14.148               398.807
        3              32.649               672.813
        4              49.391               608.859
        5              59.445               365.623
        6              65.754               229.414
        7              70.572               175.227
        8              74.508               143.109
        9              77.679               115.331
       10              80.307                95.584
       11              82.561                81.961
       12              84.486                69.998
       13              86.124                59.571
       14              87.475                49.137
       15              88.623                41.748
       16              89.558                33.981
       17              90.435                31.907
       18              91.248                29.581
       19              92.036                28.658
       20              92.761                26.336
       21              93.465                25.630
       22              94.104                23.223
       23              94.697                21.573
       24              95.280                21.195
       25              95.767                17.699
       26              96.231                16.876
       27              96.695                16.868
       28              97.112                15.192
       29              97.431                11.595
       30              97.741                11.275
       31              98.051                11.279
       32              98.361                11.271
       33              98.547                 6.740
       34              98.632                 3.085
       35              98.716                 3.070
       36              98.801                 3.077
       37              98.885                 3.077
       38              98.970                 3.077
       39              99.054                 3.077
       40              99.139                 3.077
       41              99.224                 3.085
       42              99.308                 3.070
       43              99.393                 3.070
       44              99.477                 3.070
       45              99.562                 3.070
       46              99.646                 3.070
       47              99.730                 3.070
       48              99.815                 3.070
       49              99.899                 3.070
       50              99.984                 3.070
       51             100.000                 0.594


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     150.1466
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     139.5311
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 175.0 350.0 525.0 700.0
96.000	37.7332	4.73	Q V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	37.7682	5.09	Q V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	37.8124	6.41	Q V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	37.8721	8.68	Q V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	37.9461	10.74	Q V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	38.0287	11.99	Q V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	38.1168	12.79	Q V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	38.2091	13.41	Q V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	38.3050	13.93	Q V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	38.4039	14.35	Q .V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	38.5052	14.71	Q .V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	38.6087	15.03	Q .V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	38.7141	15.31	Q .V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	38.8213	15.56	Q .V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	38.9299	15.77	Q .V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	39.0398	15.96	Q .V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	39.1508	16.12	Q .V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	39.2630	16.28	Q .V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	39.3762	16.44	Q .V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	39.4904	16.59	Q .V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	39.6056	16.73	Q .V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	39.7218	16.87	Q .V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	39.8390	17.01	Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	39.9570	17.14	Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	40.0760	17.27	Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	40.1957	17.39	Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	40.3163	17.51	.Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	40.4377	17.63	.Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	40.5599	17.74	.Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	40.6829	17.85	.Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	40.8065	17.95	.Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	40.9308	18.06	.Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	41.0559	18.16	.Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	41.1816	18.25	.Q .V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	41.3079	18.33	.Q .V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	41.4347	18.41	.Q .V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	41.5620	18.49	.Q .V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	41.6899	18.57	.Q .V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	41.8184	18.66	.Q .V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	41.9475	18.74	.Q . V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	42.0771	18.82	.Q . V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	42.2074	18.91	.Q . V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	42.3382	18.99	.Q . V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	42.4696	19.08	.Q . V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	42.6016	19.17	.Q . V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	42.7342	19.26	.Q . V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	42.8675	19.35	.Q . V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	43.0013	19.44	.Q . V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	43.1358	19.53	.Q . V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	43.2709	19.62	.Q . V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	43.4067	19.71	.Q . V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	43.5431	19.80	.Q . V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	43.6800	19.88	.Q . V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	43.8175	19.97	.Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	43.9556	20.06	.Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	44.0944	20.14	.Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	44.2337	20.23	.Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	44.3737	20.32	.Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	44.5142	20.41	.Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	44.6554	20.50	.Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	44.7973	20.60	.Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	44.9398	20.69	.Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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101.167     45.0829     20.78  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250     45.2267     20.88  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333     45.3712     20.98  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417     45.5163     21.08  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500     45.6622     21.18  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583     45.8087     21.28  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667     45.9559     21.38  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750     46.1039     21.48  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833     46.2525     21.59  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917     46.4019     21.69  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000     46.5520     21.80  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083     46.7029     21.91  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167     46.8546     22.02  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250     47.0070     22.13  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333     47.1602     22.24  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417     47.3141     22.36  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500     47.4689     22.47  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583     47.6245     22.59  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667     47.7809     22.71  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750     47.9381     22.83  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833     48.0962     22.95  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917     48.2552     23.08  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000     48.4150     23.20  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083     48.5757     23.33  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167     48.7373     23.46  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250     48.8998     23.59  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333     49.0632     23.73  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417     49.2275     23.86  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500     49.3928     24.00  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583     49.5591     24.14  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667     49.7263     24.28  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750     49.8946     24.43  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833     50.0638     24.57  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917     50.2341     24.72  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.917)
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104.000     50.4054     24.87  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083     50.5777     25.03  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167     50.7512     25.18  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250     50.9257     25.34  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333     51.1013     25.50  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417     51.2781     25.67  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500     51.4560     25.83  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583     51.6351     26.00  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667     51.8154     26.17  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750     51.9968     26.35  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833     52.1795     26.53  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917     52.3635     26.71  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000     52.5487     26.90  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083     52.7353     27.08  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167     52.9231     27.28  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250     53.1123     27.47  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333     53.3029     27.67  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417     53.4948     27.87  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500     53.6882     28.08  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583     53.8830     28.29  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667     54.0794     28.51  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750     54.2772     28.72  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833     54.4766     28.95  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917     54.6775     29.18  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000     54.8800     29.41  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083     55.0842     29.65  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167     55.2901     29.89  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250     55.4977     30.14  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333     55.7070     30.39  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417     55.9181     30.65  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500     56.1310     30.92  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583     56.3458     31.19  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667     56.5625     31.47  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750     56.7812     31.75  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.750)
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106.833     57.0019     32.04  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917     57.2246     32.34  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000     57.4494     32.65  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083     57.6764     32.96  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167     57.9056     33.28  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250     58.1371     33.61  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333     58.3709     33.95  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417     58.6071     34.29  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500     58.8457     34.65  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583     59.0869     35.02  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667     59.3307     35.39  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750     59.5771     35.78  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833     59.8263     36.18  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917     60.0783     36.59  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000     60.3332     37.01  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083     60.5935     37.79  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167     60.8648     39.40  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250     61.1528     41.82  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333     61.4563     44.08  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417     61.7707     45.65  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500     62.0934     46.85  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583     62.4233     47.91  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667     62.7601     48.90  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750     63.1033     49.83  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833     63.4526     50.72  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917     63.8080     51.60  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000     64.1694     52.47  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083     64.5367     53.33  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167     64.9099     54.19  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250     65.2892     55.06  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333     65.6744     55.94  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417     66.0659     56.85  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500     66.4638     57.78  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.500)
109.583     66.8684     58.75  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.583)
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109.667     67.2799     59.75  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.667)
109.750     67.6986     60.80  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.750)
109.833     68.1248     61.88  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.833)
109.917     68.5588     63.01  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.917)
110.000     69.0009     64.20  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.000)
110.083     69.4519     65.49  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.083)
110.167     69.9129     66.94  .  Q      .         V         .         .
(PEAK DAY 1, HOUR  14.167)
110.250     70.3852     68.57  .  Q      .         V         .         .
(PEAK DAY 1, HOUR  14.250)
110.333     70.8690     70.25  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.333)
110.417     71.3644     71.93  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.417)
110.500     71.8716     73.65  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.500)
110.583     72.3913     75.46  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.583)
110.667     72.9242     77.39  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.667)
110.750     73.4713     79.44  .   Q     .         .V        .         .
(PEAK DAY 1, HOUR  14.750)
110.833     74.0334     81.62  .   Q     .         .V        .         .
(PEAK DAY 1, HOUR  14.833)
110.917     74.6125     84.08  .   Q     .         .V        .         .
(PEAK DAY 1, HOUR  14.917)
111.000     75.2118     87.01  .   Q     .         .V        .         .
(PEAK DAY 1, HOUR  15.000)
111.083     75.8365     90.71  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  15.083)
111.167     76.4923     95.22  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  15.167)
111.250     77.1851    100.60  .    Q    .         . V       .         .
(PEAK DAY 1, HOUR  15.250)
111.333     77.9209    106.84  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.333)
111.417     78.6996    113.06  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.417)
111.500     79.5111    117.83  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.500)
111.583     80.3491    121.68  .     Q   .         .  V      .         .
(PEAK DAY 1, HOUR  15.583)
111.667     81.2314    128.10  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  15.667)
111.750     82.1957    140.01  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.750)
111.833     83.2834    157.93  .        Q.         .  V      .         .
(PEAK DAY 1, HOUR  15.833)
111.917     84.5593    185.26  .         Q         .   V     .         .
(PEAK DAY 1, HOUR  15.917)
112.000     86.1399    229.51  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  16.000)
112.083     88.4661    337.76  .         .        Q.    V    .         .
(PEAK DAY 1, HOUR  16.083)
112.167     91.9571    506.90  .         .         .     V Q .         .
(PEAK DAY 1, HOUR  16.167)
112.250     96.3002    630.61  .         .         .      V  .     Q   .
(PEAK DAY 1, HOUR  16.250)
112.333    100.2459    572.92  .         .         .       V . Q       .
(PEAK DAY 1, HOUR  16.333)
112.417    103.1874    427.11  .         .         .   Q    V.         .
(PEAK DAY 1, HOUR  16.417)
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 112.500    105.4805    332.96  .          .         Q.         V         .
(PEAK DAY 1, HOUR  16.500)
 112.583    107.4393    284.42  .          .     Q   .         V         .
(PEAK DAY 1, HOUR  16.583)
 112.667    109.1666    250.80  .          .   Q     .         .V        .
(PEAK DAY 1, HOUR  16.667)
 112.750    110.6897    221.16  .          . Q       .         .V        .
(PEAK DAY 1, HOUR  16.750)
 112.833    112.0484    197.28  .          .Q        .         . V       .
(PEAK DAY 1, HOUR  16.833)
 112.917    113.2786    178.63  .          Q         .         . V       .
(PEAK DAY 1, HOUR  16.917)
 113.000    114.3999    162.81  .        Q.          .         . V       .
(PEAK DAY 1, HOUR  17.000)
 113.083    115.4265    149.07  .       Q .          .         .  V      .
(PEAK DAY 1, HOUR  17.083)
 113.167    116.3665    136.48  .      Q  .          .         .  V      .
(PEAK DAY 1, HOUR  17.167)
 113.250    117.2360    126.24  .      Q  .          .         .  V      .
(PEAK DAY 1, HOUR  17.250)
 113.333    118.0425    117.11  .     Q   .          .         .  V      .
(PEAK DAY 1, HOUR  17.333)
 113.417    118.8097    111.40  .     Q   .          .         .   V     .
(PEAK DAY 1, HOUR  17.417)
 113.500    119.5417    106.29  .     Q   .          .         .   V     .
(PEAK DAY 1, HOUR  17.500)
 113.583    120.2453    102.15  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.583)
 113.667    120.9185     97.75  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.667)
 113.750    121.5674     94.22  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.750)
 113.833    122.1886     90.20  .    Q    .          .         .    V    .
(PEAK DAY 1, HOUR  17.833)
 113.917    122.7854     86.66  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  17.917)
 114.000    123.3617     83.68  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  18.000)
 114.083    123.9081     79.33  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  18.083)
 114.167    124.4278     75.48  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  18.167)
 114.250    124.9180     71.17  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  18.250)
 114.333    125.3749     66.35  .  Q      .          .         .    V    .
(PEAK DAY 1, HOUR  18.333)
 114.417    125.7995     61.64  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.417)
 114.500    126.2051     58.90  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.500)
 114.583    126.5940     56.47  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.583)
 114.667    126.9651     53.89  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.667)
 114.750    127.3064     49.55  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.750)
 114.833    127.6234     46.02  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.833)
 114.917    127.9294     44.44  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.917)
 115.000    128.2266     43.15  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  19.000)
 115.083    128.5158     41.99  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  19.083)
 115.167    128.7977     40.93  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  19.167)
 115.250    129.0729     39.96  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.250)
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 115.333    129.3420     39.07  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.333)
 115.417    129.6053     38.24  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.417)
 115.500    129.8631     37.43  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.500)
 115.583    130.1157     36.68  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.583)
 115.667    130.3634     35.96  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.667)
 115.750    130.6062     35.25  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.750)
 115.833    130.8441     34.56  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.833)
 115.917    131.0773     33.85  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.917)
 116.000    131.3054     33.13  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.000)
 116.083    131.5281     32.33  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.083)
 116.167    131.7443     31.40  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.167)
 116.250    131.9476     29.51  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.250)
 116.333    132.1442     28.55  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.333)
 116.417    132.3369     27.98  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.417)
 116.500    132.5261     27.48  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.500)
 116.583    132.7121     27.00  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.583)
 116.667    132.8950     26.56  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.667)
 116.750    133.0751     26.15  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.750)
 116.833    133.2526     25.78  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.833)
 116.917    133.4277     25.42  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.917)
 117.000    133.6004     25.08  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.000)
 117.083    133.7708     24.75  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.083)
 117.167    133.9391     24.43  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.167)
 117.250    134.1053     24.13  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.250)
 117.333    134.2694     23.83  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.333)
 117.417    134.4316     23.55  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.417)
 117.500    134.5918     23.27  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.500)
 117.583    134.7503     23.00  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.583)
 117.667    134.9069     22.74  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.667)
 117.750    135.0618     22.49  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.750)
 117.833    135.2150     22.25  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.833)
 117.917    135.3666     22.01  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.917)
 118.000    135.5165     21.77  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  22.000)
 118.083    135.6649     21.55  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  22.083)
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118.167	135.8118	21.33	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 22.167)									
118.250	135.9573	21.12	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 22.250)									
118.333	136.1014	20.92	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.333)									
118.417	136.2441	20.73	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.417)									
118.500	136.3856	20.54	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.500)									
118.583	136.5257	20.35	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.583)									
118.667	136.6646	20.17	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.667)									
118.750	136.8023	19.99	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.750)									
118.833	136.9388	19.82	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.833)									
118.917	137.0741	19.65	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 22.917)									
119.000	137.2083	19.48	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.000)									
119.083	137.3414	19.32	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.083)									
119.167	137.4734	19.16	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.167)									
119.250	137.6043	19.01	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.250)									
119.333	137.7341	18.86	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.333)									
119.417	137.8630	18.71	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.417)									
119.500	137.9908	18.56	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.500)									
119.583	138.1177	18.42	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.583)									
119.667	138.2436	18.28	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.667)									
119.750	138.3686	18.15	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.750)									
119.833	138.4927	18.01	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.833)									
119.917	138.6158	17.88	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 23.917)									
120.000	138.7381	17.75	.Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.000)									
120.083	138.8558	17.09	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.083)									
120.167	138.9599	15.13	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.167)									
120.250	139.0420	11.91	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.250)									
120.333	139.1041	9.02	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.333)									
120.417	139.1541	7.26	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.417)									
120.500	139.1965	6.15	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.500)									
120.583	139.2330	5.30	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.583)									
120.667	139.2646	4.60	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.667)									
120.750	139.2924	4.03	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.750)									
120.833	139.3169	3.56	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.833)									
120.917	139.3386	3.15	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 24.917)									
121.000	139.3580	2.81	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.000)									
121.083	139.3753	2.51	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.083)									
121.167	139.3909	2.27	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.167)									
121.250	139.4051	2.06	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.250)									
121.333	139.4180	1.89	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.333)									
121.417	139.4299	1.72	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.417)									
121.500	139.4408	1.58	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.500)									
121.583	139.4506	1.43	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.583)									
121.667	139.4596	1.30	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.667)									
121.750	139.4676	1.17	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.750)									
121.833	139.4749	1.06	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.833)									
121.917	139.4814	0.95	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 25.917)									
122.000	139.4873	0.84	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.000)									
122.083	139.4925	0.76	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.083)									
122.167	139.4971	0.67	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.167)									
122.250	139.5012	0.59	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.250)									
122.333	139.5047	0.52	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.333)									
122.417	139.5079	0.46	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.417)									
122.500	139.5107	0.40	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.500)									
122.583	139.5130	0.35	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.583)									
122.667	139.5151	0.29	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.667)									
122.750	139.5168	0.26	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.750)									
122.833	139.5185	0.24	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.833)									
122.917	139.5201	0.23	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 26.917)									
123.000	139.5216	0.21	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.000)									
123.083	139.5229	0.20	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.083)									
123.167	139.5242	0.18	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.167)									
123.250	139.5253	0.17	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.250)									
123.333	139.5264	0.15	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.333)									
123.417	139.5273	0.13	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.417)									
123.500	139.5281	0.12	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.500)									
123.583	139.5288	0.10	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.583)									
123.667	139.5294	0.09	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.667)									
123.750	139.5300	0.08	Q	.	.	.	V.		
(PEAK DAY 1, HOUR 27.750)									

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 123.833    139.5304      0.06  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.833)
 123.917    139.5307      0.05  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.917)
 124.000    139.5309      0.03  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  28.000)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5341.3 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5341.3 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      425.0     850.0    1275.0    1700.0
--------------------------------------------------------------------------------
  96.000    530.4213    301.71  .      Q V.          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    532.4938    300.93  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    534.5730    301.91  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    536.6720    304.78  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    538.7904    307.60  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    540.9185    308.99  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    543.0496    309.44  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    545.1816    309.58  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    547.3140    309.62  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    549.4462    309.60  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    551.5781    309.55  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    553.7095    309.48  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    555.8402    309.38  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    557.9701    309.26  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    560.0989    309.10  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    562.2266    308.94  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    564.3531    308.77  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    566.4785    308.61  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    568.6029    308.46  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    570.7264    308.33  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    572.8488    308.17  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    574.9695    307.94  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    577.0884    307.66  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    579.2052    307.36  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    581.3201    307.08  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    583.4330    306.79  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    585.5439    306.52  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    587.6531    306.25  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    589.7606    306.00  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    591.8661    305.73  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    593.9699    305.47  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    596.0720    305.22  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    598.1724    304.98  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    600.2711    304.73  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    602.3681    304.49  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    604.4636    304.26  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    606.5576    304.05  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    608.6501    303.85  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    610.7415    303.66  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    612.8315    303.49  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    614.9205    303.32  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    617.0085    303.18  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    619.0956    303.04  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    621.1818    302.92  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    623.2673    302.81  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   3.667)
  99.750    625.3520    302.70  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   3.750)
  99.833    627.4361    302.61  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   3.833)
  99.917    629.5197    302.53  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   3.917)
 100.000    631.6027    302.47  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   4.000)
 100.083    633.6854    302.41  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   4.083)
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100.167    635.7679    302.37  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.167)
100.250    637.8501    302.33  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.250)
100.333    639.9321    302.31  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.333)
100.417    642.0140    302.29  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.417)
100.500    644.0959    302.29  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.500)
100.583    646.1779    302.30  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.583)
100.667    648.2600    302.32  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.667)
100.750    650.3423    302.36  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.750)
100.833    652.4250    302.41  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.833)
100.917    654.5081    302.47  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.917)
101.000    656.5917    302.54  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.000)
101.083    658.6759    302.62  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.083)
101.167    660.7607    302.72  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250    662.8464    302.83  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333    664.9328    302.95  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417    667.0202    303.09  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500    669.1086    303.24  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583    671.1981    303.40  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667    673.2888    303.57  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750    675.3809    303.76  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833    677.4742    303.96  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917    679.5691    304.18  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000    681.6655    304.40  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083    683.7636    304.64  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167    685.8635    304.90  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250    687.9651    305.17  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333    690.0688    305.45  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417    692.1745    305.75  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500    694.2823    306.06  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583    696.3924    306.38  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667    698.5048    306.72  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750    700.6196    307.07  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833    702.7369    307.44  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917    704.8569    307.82  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.917)
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103.000    706.9797    308.22  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083    709.1052    308.63  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167    711.2338    309.06  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250    713.3653    309.50  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333    715.5000    309.96  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417    717.6380    310.44  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500    719.7794    310.92  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583    721.9242    311.43  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667    724.0726    311.95  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750    726.2248    312.49  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833    728.3807    313.05  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917    730.5406    313.62  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.917)
104.000    732.7047    314.21  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083    734.8728    314.82  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167    737.0453    315.44  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250    739.2222    316.08  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333    741.4036    316.74  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417    743.5897    317.42  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500    745.7806    318.12  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583    747.9765    318.84  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667    750.1774    319.57  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750    752.3835    320.33  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833    754.5950    321.11  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917    756.8120    321.90  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000    759.0346    322.72  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083    761.2629    323.56  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167    763.4972    324.42  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250    765.7375    325.30  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333    767.9841    326.20  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417    770.2371    327.13  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500    772.4965    328.08  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583    774.7626    329.03  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667    777.0349    329.94  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750    779.3132    330.80  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.750)
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105.833    781.5972    331.64  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917    783.8871    332.49  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000    786.1830    333.37  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083    788.4851    334.26  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167    790.7935    335.17  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250    793.1083    336.11  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333    795.4297    337.07  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417    797.7580    338.06  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500    800.0932    339.07  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583    802.4355    340.11  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667    804.7852    341.17  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750    807.1424    342.27  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  10.750)
106.833    809.5073    343.39  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    811.8801    344.53  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    814.2610    345.71  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    816.6503    346.92  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167    819.0482    348.16  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250    821.4547    349.44  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333    823.8703    350.74  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417    826.2951    352.08  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500    828.7294    353.46  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583    831.1735    354.88  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667    833.6276    356.33  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750    836.0920    357.83  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833    838.5670    359.36  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917    841.0528    360.94  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000    843.5498    362.57  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083    846.0618    364.75  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167    848.5994    368.46  .       Q .    V    .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250    851.1739    373.81  .       Q .    V    .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333    853.7852    379.16  .       Q .    V    .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417    856.4252    383.34  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500    859.0889    386.77  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583    861.7750    390.01  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667    864.4831    393.22  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750    867.2136    396.47  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833    869.9668    399.76  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917    872.7430    403.10  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000    875.5422    406.45  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083    878.3642    409.75  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167    881.2086    413.01  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250    884.0757    416.31  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333    886.9661    419.68  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417    889.8804    423.16  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500    892.8195    426.74  .         Q    V    .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583    895.7841    430.46  .         Q    V    .         .         .
(PEAK DAY 1, HOUR  13.583)
109.667    898.7751    434.30  .         Q    V    .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750    901.7937    438.31  .         Q    V    .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833    904.8411    442.47  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917    907.9184    446.83  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  13.917)
110.000    911.0271    451.38  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  14.000)
110.083    914.1691    456.21  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  14.083)
110.167    917.3464    461.35  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  14.167)
110.250    920.5599    466.59  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  14.250)
110.333    923.8080    471.63  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.333)
110.417    927.0898    476.52  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.417)
110.500    930.4065    481.58  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.500)
110.583    933.7606    487.02  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.583)
110.667    937.1558    492.97  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.667)
110.750    940.5961    499.53  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.750)
110.833    944.0869    506.87  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.833)
110.917    947.6357    515.29  .         . Q   V   .         .         .
(PEAK DAY 1, HOUR  14.917)
111.000    951.2521    525.09  .         . Q   V   .         .         .
(PEAK DAY 1, HOUR  15.000)
111.083    954.9462    536.39  .         . Q   V   .         .         .
(PEAK DAY 1, HOUR  15.083)
111.167    958.7275    549.05  .         . Q   V   .         .         .
(PEAK DAY 1, HOUR  15.167)
111.250    962.6063    563.19  .         .  Q   V  .         .         .
(PEAK DAY 1, HOUR  15.250)
111.333    966.5941    579.03  .         .  Q   V  .         .         .
(PEAK DAY 1, HOUR  15.333)
111.417    970.6938    595.29  .         .   Q  V  .         .         .
(PEAK DAY 1, HOUR  15.417)
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 111.500    974.8882    609.02  .         .   Q  V  .         .         .
(PEAK DAY 1, HOUR  15.500)
 111.583    979.1621    620.58  .         .   Q  V  .         .         .
(PEAK DAY 1, HOUR  15.583)
 111.667    983.5450    636.41  .         .   Q  V  .         .         .
(PEAK DAY 1, HOUR  15.667)
 111.750    988.1083    662.58  .         .    Q V  .         .         .
(PEAK DAY 1, HOUR  15.750)
 111.833    992.9355    700.92  .         .     QV  .         .         .
(PEAK DAY 1, HOUR  15.833)
 111.917    998.1481    756.87  .         .      Q  .         .         .
(PEAK DAY 1, HOUR  15.917)
 112.000   1003.9661    844.76  .         .      V Q.         .         .
(PEAK DAY 1, HOUR  16.000)
 112.083   1011.1546   1043.78  .         .      V  .   Q     .         .
(PEAK DAY 1, HOUR  16.083)
 112.167   1020.6707   1381.73  .         .       V .         . Q       .
(PEAK DAY 1, HOUR  16.167)
 112.250   1032.1061   1660.43  .         .       V .         .        Q.
(PEAK DAY 1, HOUR  16.250)
 112.333   1043.1368   1601.66  .         .       V .         .     Q  .
(PEAK DAY 1, HOUR  16.333)
 112.417   1052.2742   1326.73  .         .       V .         .Q        .
(PEAK DAY 1, HOUR  16.417)
 112.500   1059.9978   1121.47  .         .       V .     Q   .         .
(PEAK DAY 1, HOUR  16.500)
 112.583   1067.0259   1020.47  .         .       V .   Q     .         .
(PEAK DAY 1, HOUR  16.583)
 112.667   1073.6063    955.49  .         .        V. Q       .         .
(PEAK DAY 1, HOUR  16.667)
 112.750   1079.8141    901.38  .         .        V.Q        .         .
(PEAK DAY 1, HOUR  16.750)
 112.833   1085.7117    856.32  .         .        VQ         .         .
(PEAK DAY 1, HOUR  16.833)
 112.917   1091.3558    819.53  .         .        Q.         .         .
(PEAK DAY 1, HOUR  16.917)
 113.000   1096.7831    788.03  .         .       QV.         .         .
(PEAK DAY 1, HOUR  17.000)
 113.083   1102.0281    761.58  .         .      Q V.         .         .
(PEAK DAY 1, HOUR  17.083)
 113.167   1107.1189    739.18  .         .      Q V.         .         .
(PEAK DAY 1, HOUR  17.167)
 113.250   1112.0918    722.07  .         .     Q  V.         .         .
(PEAK DAY 1, HOUR  17.250)
 113.333   1116.9706    708.41  .         .     Q  V.         .         .
(PEAK DAY 1, HOUR  17.333)
 113.417   1121.7854    699.11  .         .     Q  V.         .         .
(PEAK DAY 1, HOUR  17.417)
 113.500   1126.5439    690.93  .         .     Q  V.         .         .
(PEAK DAY 1, HOUR  17.500)
 113.583   1131.2535    683.84  .         .     Q   V         .         .
(PEAK DAY 1, HOUR  17.583)
 113.667   1135.9126    676.50  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  17.667)
 113.750   1140.5288    670.27  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  17.750)
 113.833   1145.0970    663.31  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  17.833)
 113.917   1149.6224    657.09  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  17.917)
 114.000   1154.1122    651.91  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  18.000)
 114.083   1158.5498    644.35  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  18.083)
 114.167   1162.9353    636.77  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.167)
 114.250   1167.2659    628.79  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.250)
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 114.333   1171.5363    620.07  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.333)
 114.417   1175.7413    610.57  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.417)
 114.500   1179.8997    603.79  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.500)
 114.583   1184.0266    599.23  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.583)
 114.667   1188.1260    595.23  .         .   Q     .V        .         .
(PEAK DAY 1, HOUR  18.667)
 114.750   1192.1871    589.68  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  18.750)
 114.833   1196.2164    585.05  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  18.833)
 114.917   1200.2278    582.45  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  18.917)
 115.000   1204.2240    580.24  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.000)
 115.083   1208.2063    578.24  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.083)
 115.167   1212.1758    576.37  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.167)
 115.250   1216.1332    574.62  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.250)
 115.333   1220.0791    572.95  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.333)
 115.417   1224.0137    571.30  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.417)
 115.500   1227.9368    569.63  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.500)
 115.583   1231.8479    567.90  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.583)
 115.667   1235.7435    565.65  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.667)
 115.750   1239.6229    563.29  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.750)
 115.833   1243.4902    561.54  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  19.833)
 115.917   1247.3479    560.14  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  19.917)
 116.000   1251.1963    558.79  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  20.000)
 116.083   1255.0352    557.40  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  20.083)
 116.167   1258.8636    555.90  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  20.167)
 116.250   1262.6754    553.46  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  20.250)
 116.333   1266.4768    551.97  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.333)
 116.417   1270.2708    550.89  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.417)
 116.500   1274.0580    549.91  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.500)
 116.583   1277.8386    548.95  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.583)
 116.667   1281.6130    548.04  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.667)
 116.750   1285.3815    547.17  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.750)
 116.833   1289.1442    546.34  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.833)
 116.917   1292.9014    545.54  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.917)
 117.000   1296.6531    544.75  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  21.000)
 117.083   1300.3995    543.98  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.083)
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 117.167   1304.1407    543.23  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.167)
 117.250   1307.8770    542.50  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.250)
 117.333   1311.6082    541.77  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.333)
 117.417   1315.3345    541.07  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.417)
 117.500   1319.0560    540.37  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.500)
 117.583   1322.7728    539.69  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.583)
 117.667   1326.4851    539.02  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.667)
 117.750   1330.1929    538.36  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.750)
 117.833   1333.8961    537.72  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.833)
 117.917   1337.5951    537.08  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.917)
 118.000   1341.2897    536.46  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  22.000)
 118.083   1344.9800    535.84  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  22.083)
 118.167   1348.6661    535.23  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  22.167)
 118.250   1352.3483    534.64  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  22.250)
 118.333   1356.0264    534.05  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.333)
 118.417   1359.7004    533.47  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.417)
 118.500   1363.3706    532.90  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.500)
 118.583   1367.0369    532.34  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.583)
 118.667   1370.6992    531.78  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.667)
 118.750   1374.3578    531.22  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.750)
 118.833   1378.0126    530.68  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.833)
 118.917   1381.6637    530.13  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.917)
 119.000   1385.3110    529.60  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.000)
 119.083   1388.9547    529.06  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.083)
 119.167   1392.5947    528.54  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.167)
 119.250   1396.2312    528.01  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.250)
 119.333   1399.8641    527.49  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.333)
 119.417   1403.4935    526.98  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.417)
 119.500   1407.1194    526.47  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.500)
 119.583   1410.7417    525.96  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  23.583)
 119.667   1414.3606    525.46  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  23.667)
 119.750   1417.9761    524.96  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  23.750)
 119.833   1421.5881    524.46  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  23.833)
 119.917   1425.1968    523.97  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  23.917)
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 120.000   1428.8020    523.48  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  24.000)
 120.083   1432.3983    522.18  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  24.083)
 120.167   1435.9695    518.54  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  24.167)
 120.250   1439.4985    512.42  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  24.250)
 120.333   1442.9866    506.47  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.333)
 120.417   1446.4478    502.56  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.417)
 120.500   1449.8915    500.04  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.500)
 120.583   1453.3217    498.06  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.583)
 120.667   1456.7402    496.38  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.667)
 120.750   1460.1489    494.95  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.750)
 120.833   1463.5490    493.68  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.833)
 120.917   1466.9410    492.53  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  24.917)
 121.000   1470.3259    491.48  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.000)
 121.083   1473.7043    490.54  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.083)
 121.167   1477.0768    489.68  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.167)
 121.250   1480.4438    488.90  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.250)
 121.333   1483.8059    488.17  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.333)
 121.417   1487.1631    487.46  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.417)
 121.500   1490.5155    486.77  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.500)
 121.583   1493.8633    486.10  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.583)
 121.667   1497.2065    485.45  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.667)
 121.750   1500.5454    484.80  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.750)
 121.833   1503.8800    484.18  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.833)
 121.917   1507.2104    483.58  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.917)
 122.000   1510.5367    482.98  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  26.000)
 122.083   1513.8591    482.40  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  26.083)
 122.167   1517.1776    481.85  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  26.167)
 122.250   1520.4923    481.29  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  26.250)
 122.333   1523.8032    480.75  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.333)
 122.417   1527.1107    480.24  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.417)
 122.500   1530.4148    479.75  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.500)
 122.583   1533.7155    479.26  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.583)
 122.667   1537.0128    478.78  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.667)
 122.750   1540.3070    478.32  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.750)
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 122.833   1543.5981    477.87  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  26.833)
 122.917   1546.8862    477.42  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  26.917)
 123.000   1550.1711    476.98  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.000)
 123.083   1553.4530    476.53  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.083)
 123.167   1556.7318    476.09  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.167)
 123.250   1560.0076    475.64  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1563.2803    475.20  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1566.5499    474.76  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.417)
 123.500   1569.8165    474.31  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.500)
 123.583   1573.0801    473.87  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.583)
 123.667   1576.3407    473.43  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.667)
 123.750   1579.5983    473.00  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.750)
 123.833   1582.8529    472.58  .         .Q        .       V .         .
 (PEAK DAY 1, HOUR  27.833)
 123.917   1586.1047    472.17  .         .Q        .       V .         .
 (PEAK DAY 1, HOUR  27.917)
 124.000   1589.3539    471.78  .         .Q        .       V .         .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  FLOW PROCESS FROM NODE   6330.00 TO NODE   6355.00 IS CODE = 5.2
-------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5341.3 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     375.00
           DOWNSTREAM ELEVATION(FT) =     314.00
           CHANNEL LENGTH(FT) =    6086.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  1660.43
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  1155.84
           CHANNEL NORMAL VELOCITY FOR Q =  1155.84 CFS =   8.31 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.830

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.691
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CONVEX METHOD CHANNEL ROUTING RESULTS:

PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	301.71	305.18	305.18
1	0.083	96.083	300.93	303.77	303.77
1	0.167	96.167	301.91	302.38	302.38
1	0.250	96.250	304.78	301.39	301.39
1	0.333	96.333	307.60	301.73	301.73
1	0.417	96.417	308.99	303.78	303.78
1	0.500	96.500	309.44	306.36	306.36
1	0.583	96.583	309.58	308.15	308.15
1	0.667	96.667	309.62	309.03	309.03
1	0.750	96.750	309.60	309.41	309.41
1	0.833	96.833	309.55	309.55	309.55
1	0.917	96.917	309.48	309.59	309.59
1	1.000	97.000	309.38	309.56	309.56
1	1.083	97.083	309.26	309.51	309.51
1	1.167	97.167	309.10	309.42	309.42
1	1.250	97.250	308.94	309.31	309.31
1	1.333	97.333	308.77	309.17	309.17
1	1.417	97.417	308.61	309.01	309.01
1	1.500	97.500	308.46	308.85	308.85
1	1.583	97.583	308.33	308.69	308.69
1	1.667	97.667	308.17	308.54	308.54
1	1.750	97.750	307.94	308.40	308.40
1	1.833	97.833	307.66	308.24	308.24
1	1.917	97.917	307.36	308.04	308.04
1	2.000	98.000	307.08	307.78	307.78
1	2.083	98.083	306.79	307.50	307.50
1	2.167	98.167	306.52	307.21	307.21
1	2.250	98.250	306.25	306.93	306.93
1	2.333	98.333	306.00	306.65	306.65
1	2.417	98.417	305.73	306.38	306.38
1	2.500	98.500	305.47	306.12	306.12
1	2.583	98.583	305.22	305.86	305.86
1	2.667	98.667	304.98	305.59	305.59
1	2.750	98.750	304.73	305.34	305.34
1	2.833	98.833	304.49	305.09	305.09
1	2.917	98.917	304.26	304.85	304.85
1	3.000	99.000	304.05	304.61	304.61
1	3.083	99.083	303.85	304.37	304.37
1	3.167	99.167	303.66	304.15	304.15
1	3.250	99.250	303.49	303.95	303.95
1	3.333	99.333	303.32	303.75	303.75
1	3.417	99.417	303.18	303.57	303.57
1	3.500	99.500	303.04	303.40	303.40
1	3.583	99.583	302.92	303.25	303.25
1	3.667	99.667	302.81	303.11	303.11
1	3.750	99.750	302.70	302.98	302.98
1	3.833	99.833	302.61	302.86	302.86
1	3.917	99.917	302.53	302.75	302.75
1	4.000	100.000	302.47	302.66	302.66
1	4.083	100.083	302.41	302.57	302.57
1	4.167	100.167	302.37	302.50	302.50
1	4.250	100.250	302.33	302.44	302.44
1	4.333	100.333	302.31	302.39	302.39
1	4.417	100.417	302.29	302.35	302.35
1	4.500	100.500	302.29	302.32	302.32
1	4.583	100.583	302.30	302.30	302.30
1	4.667	100.667	302.32	302.29	302.29
1	4.750	100.750	302.36	302.30	302.30
1	4.833	100.833	302.41	302.32	302.32
1	4.917	100.917	302.47	302.34	302.34
1	5.000	101.000	302.54	302.39	302.39

1	5.083	101.083	302.62	302.44	302.44
1	5.167	101.167	302.72	302.51	302.51
1	5.250	101.250	302.83	302.58	302.58
1	5.333	101.333	302.95	302.68	302.68
1	5.417	101.417	303.09	302.78	302.78
1	5.500	101.500	303.24	302.90	302.90
1	5.583	101.583	303.40	303.03	303.03
1	5.667	101.667	303.57	303.17	303.17
1	5.750	101.750	303.76	303.32	303.32
1	5.833	101.833	303.96	303.49	303.49
1	5.917	101.917	304.18	303.67	303.67
1	6.000	102.000	304.40	303.87	303.87
1	6.083	102.083	304.64	304.08	304.08
1	6.167	102.167	304.90	304.30	304.30
1	6.250	102.250	305.17	304.53	304.53
1	6.333	102.333	305.45	304.78	304.78
1	6.417	102.417	305.75	305.04	305.04
1	6.500	102.500	306.06	305.32	305.32
1	6.583	102.583	306.38	305.61	305.61
1	6.667	102.667	306.72	305.91	305.91
1	6.750	102.750	307.07	306.23	306.23
1	6.833	102.833	307.44	306.56	306.56
1	6.917	102.917	307.82	306.91	306.91
1	7.000	103.000	308.22	307.27	307.27
1	7.083	103.083	308.63	307.64	307.64
1	7.167	103.167	309.06	308.03	308.03
1	7.250	103.250	309.50	308.44	308.44
1	7.333	103.333	309.96	308.86	308.86
1	7.417	103.417	310.44	309.30	309.30
1	7.500	103.500	310.92	309.75	309.75
1	7.583	103.583	311.43	310.21	310.21
1	7.667	103.667	311.95	310.70	310.70
1	7.750	103.750	312.49	311.19	311.19
1	7.833	103.833	313.05	311.71	311.71
1	7.917	103.917	313.62	312.24	312.24
1	8.000	104.000	314.21	312.79	312.79
1	8.083	104.083	314.82	313.35	313.35
1	8.167	104.167	315.44	313.93	313.93
1	8.250	104.250	316.08	314.53	314.53
1	8.333	104.333	316.74	315.15	315.15
1	8.417	104.417	317.42	315.78	315.78
1	8.500	104.500	318.12	316.43	316.43
1	8.583	104.583	318.84	317.10	317.10
1	8.667	104.667	319.57	317.79	317.79
1	8.750	104.750	320.33	318.50	318.50
1	8.833	104.833	321.11	319.23	319.23
1	8.917	104.917	321.90	319.98	319.98
1	9.000	105.000	322.72	320.74	320.74
1	9.083	105.083	323.56	321.53	321.53
1	9.167	105.167	324.42	322.34	322.34
1	9.250	105.250	325.30	323.16	323.16
1	9.333	105.333	326.20	324.01	324.01
1	9.417	105.417	327.13	324.88	324.88
1	9.500	105.500	328.08	325.78	325.78
1	9.583	105.583	329.03	326.69	326.69
1	9.667	105.667	329.94	327.63	327.63
1	9.750	105.750	330.80	328.58	328.58
1	9.833	105.833	331.64	329.50	329.50
1	9.917	105.917	332.49	330.38	330.38
1	10.000	106.000	333.37	331.24	331.24
1	10.083	106.083	334.26	332.09	332.09
1	10.167	106.167	335.17	332.95	332.95
1	10.250	106.250	336.11	333.84	333.84
1	10.333	106.333	337.07	334.74	334.74
1	10.417	106.417	338.06	335.67	335.67
1	10.500	106.500	339.07	336.62	336.62
1	10.583	106.583	340.11	337.60	337.60
1	10.667	106.667	341.17	338.60	338.60
1	10.750	106.750	342.27	339.62	339.62
1	10.833	106.833	343.39	340.68	340.68
1	10.917	106.917	344.53	341.75	341.75
1	11.000	107.000	345.71	342.86	342.86
1	11.083	107.083	346.92	344.00	344.00
1	11.167	107.167	348.16	345.16	345.16
1	11.250	107.250	349.44	346.35	346.35
1	11.333	107.333	350.74	347.58	347.58
1	11.417	107.417	352.08	348.84	348.84
1	11.500	107.500	353.46	350.13	350.13
1	11.583	107.583	354.88	351.46	351.46
1	11.667	107.667	356.33	352.82	352.82
1	11.750	107.750	357.83	354.21	354.21
1	11.833	107.833	359.36	355.65	355.65
1	11.917	107.917	360.94	357.13	357.13
1	12.000	108.000	362.57	358.64	358.64
1	12.083	108.083	364.75	360.20	360.20
1	12.167	108.167	368.46	361.81	361.81
1	12.250	108.250	373.81	363.80	363.80
1	12.333	108.333	379.16	366.95	366.95
1	12.417	108.417	383.34	371.59	371.59
1	12.500	108.500	386.77	376.72	376.72
1	12.583	108.583	390.01	381.21	381.21
1	12.667	108.667	393.22	384.99	384.99
1	12.750	108.750	396.47	388.40	388.40
1	12.833	108.833	399.76	391.67	391.67
1	12.917	108.917	403.10	394.93	394.93
1	13.000	109.000	406.45	398.20	398.20
1	13.083	109.083	409.75	401.53	401.53
1	13.167	109.167	413.01	404.87	404.87
1	13.250	109.250	416.31	408.18	408.18
1	13.333	109.333	419.68	411.45	411.45
1	13.417	109.417	423.16	414.75	414.75
1	13.500	109.500	426.74	418.10	418.10
1	13.583	109.583	430.46	421.53	421.53
1	13.667	109.667	434.30	425.07	425.07
1	13.750	109.750	438.31	428.72	428.72
1	13.833	109.833	442.47	432.50	432.50
1	13.917	109.917	446.83	436.44	436.44
1	14.000	110.000	451.38	440.53	440.53
1	14.083	110.083	456.21	444.80	444.80
1	14.167	110.167	461.35	449.26	449.26
1	14.250	110.250	466.59	453.97	453.97
1	14.333	110.333	471.63	458.98	458.98
1	14.417	110.417	476.52	464.14	464.14
1	14.500	110.500	481.58	469.22	469.22
1	14.583	110.583	487.02	474.18	474.18
1	14.667	110.667	492.97	479.20	479.20
1	14.750	110.750	499.53	484.50	484.50
1	14.833	110.833	506.87	490.24	490.24
1	14.917	110.917	515.29	496.54	496.54
1	15.000	111.000	525.09	503.54	503.54
1	15.083	111.083	536.39	511.50	511.50
1	15.167	111.167	549.05	520.71	520.71
1	15.250	111.250	563.19	531.33	531.33
1	15.333	111.333	579.03	543.34	543.34
1	15.417	111.417	595.29	556.79	556.79
1	15.500	111.500	609.02	571.86	571.86
1	15.583	111.583	620.58	587.74	587.74
1	15.667	111.667	636.41	602.19	602.19
1	15.750	111.750	662.58	614.68	614.68
1	15.833	111.833	700.92	629.39	629.39
1	15.917	111.917	756.87	651.84	651.84
1	16.000	112.000	844.76	685.03	685.03
1	16.083	112.083	1043.78	733.62	733.62
1	16.167	112.167	1381.73	808.77	808.77
1	16.250	112.250	1660.43	967.43	967.43
1	16.333	112.333	1601.66	1247.38	1247.38

1	16.417	112.417	1326.73	1527.57	1527.57
1	16.500	112.500	1121.47	1579.85	1579.85
1	16.583	112.583	1020.47	1410.09	1410.09
1	16.667	112.667	955.49	1214.50	1214.50
1	16.750	112.750	901.38	1082.33	1082.33
1	16.833	112.833	856.32	995.90	995.90
1	16.917	112.917	819.53	931.60	931.60
1	17.000	113.000	788.03	880.43	880.43
1	17.083	113.083	761.58	839.04	839.04
1	17.167	113.167	739.18	804.38	804.38
1	17.250	113.250	722.07	775.30	775.30
1	17.333	113.333	708.41	750.76	750.76
1	17.417	113.417	699.11	731.26	731.26
1	17.500	113.500	690.93	715.72	715.72
1	17.583	113.583	683.84	704.42	704.42
1	17.667	113.667	676.50	695.25	695.25
1	17.750	113.750	670.27	687.50	687.50
1	17.833	113.833	663.31	680.04	680.04
1	17.917	113.917	657.09	673.40	673.40
1	18.000	114.000	651.91	666.56	666.56
1	18.083	114.083	644.35	660.14	660.14
1	18.167	114.167	636.77	654.55	654.55
1	18.250	114.250	628.79	647.64	647.64
1	18.333	114.333	620.07	640.27	640.27
1	18.417	114.417	610.57	632.49	632.49
1	18.500	114.500	603.79	624.07	624.07
1	18.583	114.583	599.23	614.92	614.92
1	18.667	114.667	595.23	607.36	607.36
1	18.750	114.750	589.68	601.83	601.83
1	18.833	114.833	585.05	597.34	597.34
1	18.917	114.917	582.45	592.15	592.15
1	19.000	115.000	580.24	587.33	587.33
1	19.083	115.083	578.24	584.01	584.01
1	19.167	115.167	576.37	581.45	581.45
1	19.250	115.250	574.62	579.27	579.27
1	19.333	115.333	572.95	577.30	577.30
1	19.417	115.417	571.30	575.48	575.48
1	19.500	115.500	569.63	573.76	573.76
1	19.583	115.583	567.90	572.09	572.09
1	19.667	115.667	565.65	570.43	570.43
1	19.750	115.750	563.29	568.71	568.71
1	19.833	115.833	561.54	566.64	566.64
1	19.917	115.917	560.14	564.37	564.37
1	20.000	116.000	558.79	562.45	562.45
1	20.083	116.083	557.40	560.88	560.88
1	20.167	116.167	555.90	559.46	559.46
1	20.250	116.250	553.46	558.06	558.06
1	20.333	116.333	551.97	556.60	556.60
1	20.417	116.417	550.89	554.48	554.48
1	20.500	116.500	549.91	552.77	552.77
1	20.583	116.583	548.95	551.49	551.49
1	20.667	116.667	548.04	550.41	550.41
1	20.750	116.750	547.17	549.42	549.42
1	20.833	116.833	546.34	548.48	548.48
1	20.917	116.917	545.54	547.59	547.59
1	21.000	117.000	544.75	546.75	546.75
1	21.083	117.083	543.98	545.93	545.93
1	21.167	117.167	543.23	545.13	545.13
1	21.250	117.250	542.50	544.35	544.35
1	21.333	117.333	541.77	543.59	543.59
1	21.417	117.417	541.07	542.85	542.85
1	21.500	117.500	540.37	542.12	542.12
1	21.583	117.583	539.69	541.40	541.40
1	21.667	117.667	539.02	540.70	540.70
1	21.750	117.750	538.36	540.01	540.01
1	21.833	117.833	537.72	539.34	539.34
1	21.917	117.917	537.08	538.67	538.67
1	22.000	118.000	536.46	538.03	538.03
1	22.083	118.083	535.84	537.39	537.39
1	22.167	118.167	535.23	536.76	536.76
1	22.250	118.250	534.64	536.14	536.14
1	22.333	118.333	534.05	535.52	535.52
1	22.417	118.417	533.47	534.92	534.92
1	22.500	118.500	532.90	534.33	534.33
1	22.583	118.583	532.34	533.75	533.75
1	22.667	118.667	531.78	533.17	533.17
1	22.750	118.750	531.22	532.61	532.61
1	22.833	118.833	530.68	532.04	532.04
1	22.917	118.917	530.13	531.49	531.49
1	23.000	119.000	529.60	530.94	530.94
1	23.083	119.083	529.06	530.39	530.39
1	23.167	119.167	528.54	529.85	529.85
1	23.250	119.250	528.01	529.32	529.32
1	23.333	119.333	527.49	528.79	528.79
1	23.417	119.417	526.98	528.26	528.26
1	23.500	119.500	526.47	527.74	527.74
1	23.583	119.583	525.96	527.22	527.22
1	23.667	119.667	525.46	526.71	526.71
1	23.750	119.750	524.96	526.20	526.20
1	23.833	119.833	524.46	525.70	525.70
1	23.917	119.917	523.97	525.20	525.20
1	24.000	120.000	523.48	524.70	524.70
1	24.083	120.083	522.18	524.21	524.21
1	24.167	120.167	518.54	523.71	523.71
1	24.250	120.250	512.42	522.68	522.68
1	24.333	120.333	506.47	519.89	519.89
1	24.417	120.417	502.56	514.84	514.84
1	24.500	120.500	500.04	509.17	509.17
1	24.583	120.583	498.06	504.68	504.68
1	24.667	120.667	496.38	501.52	501.52
1	24.750	120.750	494.95	499.16	499.16
1	24.833	120.833	493.68	497.27	497.27
1	24.917	120.917	492.53	495.69	495.69
1	25.000	121.000	491.48	494.32	494.32
1	25.083	121.083	490.54	493.10	493.10
1	25.167	121.167	489.68	492.00	492.00
1	25.250	121.250	488.90	491.01	491.01
1	25.333	121.333	488.17	490.11	490.11
1	25.417	121.417	487.46	489.29	489.29
1	25.500	121.500	486.77	488.53	488.53
1	25.583	121.583	486.10	487.80	487.80
1	25.667	121.667	485.45	487.11	487.11
1	25.750	121.750	484.80	486.42	486.42
1	25.833	121.833	484.18	485.76	485.76
1	25.917	121.917	483.58	485.11	485.11
1	26.000	122.000	482.98	484.48	484.48
1	26.083	122.083	482.40	483.87	483.87
1	26.167	122.167	481.85	483.26	483.26
1	26.250	122.250	481.29	482.68	482.68
1	26.333	122.333	480.75	482.12	482.12
1	26.417	122.417	480.24	481.56	481.56
1	26.500	122.500	479.75	481.01	481.01
1	26.583	122.583	479.26	480.49	480.49
1	26.667	122.667	478.78	479.99	479.99
1	26.750	122.750	478.32	479.50	479.50
1	26.833	122.833	477.87	479.01	479.01
1	26.917	122.917	477.42	478.54	478.54
1	27.000	123.000	476.98	478.08	478.08
1	27.083	123.083	476.53	477.64	477.64
1	27.167	123.167	476.09	477.19	477.19
1	27.250	123.250	475.64	476.74	476.74
1	27.333	123.333	475.20	476.30	476.30
1	27.417	123.417	474.76	475.86	475.86
1	27.500	123.500	474.31	475.41	475.41
1	27.583	123.583	473.87	474.97	474.97
1	27.667	123.667	473.43	474.52	474.52

```
  1   27.750 123.750       473.00      474.08      474.08
  1   27.833 123.833       472.58      473.64      473.64
  1   27.917 123.917       472.17      473.21      473.21
  1   28.000 124.000       471.78      472.78      472.78
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   2256.634 AF
    OUTFLOW VOLUME =   2256.636 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6340.00 TO NODE   6355.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   697.9 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

     (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     697.900 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.340 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        VALLEY(UNDEVELOPED)/DESERT:
                "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.210|   0.210|   0.210|   0.210|   0.210|
        | LOW LOSS FRACTION |   0.450|   0.690|   0.900|   0.980|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.969
         30-MINUTE FACTOR = 0.969
          1-HOUR FACTOR = 0.969
          3-HOUR FACTOR = 0.995
          6-HOUR FACTOR = 0.998
         24-HOUR FACTOR = 0.999

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  24.510


        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
        MODEL TIME(HOURS) FOR END OF RESULTS = 124.00
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================================================================================
                    UNIT HYDROGRAPH DETERMINATION

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    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
       1                1.545               130.419
       2                7.337               488.804
       3               20.261              1090.852
       4               37.173              1427.448
       5               57.561              1720.753
       6               73.834              1373.504
       7               84.155               871.070
       8               90.157               506.624
       9               93.846               311.340
      10               95.934               176.209
      11               96.823                75.053
      12               97.453                53.201
      13               98.047                50.140
      14               98.563                43.554
      15               98.877                26.445
      16               99.042                13.975
      17               99.137                 8.025
      18               99.206                 5.797
      19               99.261                 4.649
      20               99.315                 4.546
      21               99.365                 4.228
      22               99.414                 4.161
      23               99.461                 3.902
      24               99.505                 3.743
      25               99.548                 3.674
      26               99.587                 3.272
      27               99.625                 3.204
      28               99.663                 3.169
      29               99.695                 2.719
      30               99.726                 2.582
      31               99.756                 2.583
      32               99.787                 2.570
      33               99.813                 2.195
      34               99.830                 1.492
      35               99.848                 1.489
      36               99.866                 1.488
      37               99.883                 1.487
      38               99.899                 1.328
      39               99.905                 0.518
      40               99.910                 0.406
      41               99.915                 0.406
      42               99.919                 0.404
      43               99.924                 0.406
      44               99.929                 0.406
      45               99.934                 0.405
      46               99.939                 0.408
      47               99.944                 0.405
      48               99.948                 0.408
      49               99.953                 0.404
      50               99.958                 0.405
      51               99.963                 0.405
      52               99.968                 0.405
      53               99.972                 0.405
      54               99.977                 0.404
      55               99.982                 0.405
      56               99.987                 0.405
      57               99.992                 0.405
      58               99.996                 0.405
      59              100.000                 0.311
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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     349.4661
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     322.3159
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 400.0 800.0 1200.0 1600.0
96.000	87.4798	10.14	Q V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	87.5521	10.50	Q V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	87.6352	12.06	Q V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	87.7427	15.61	Q V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	87.8825	20.31	Q V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	88.0616	26.00	Q V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	88.2723	30.59	Q V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	88.5034	33.55	Q V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	88.7466	35.32	Q .V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	88.9977	36.46	Q .V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	89.2536	37.16	Q .V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	89.5120	37.53	Q .V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	89.7725	37.82	Q .V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	90.0351	38.12	Q .V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	90.2995	38.39	Q .V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	90.5654	38.61	Q .V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	90.8325	38.79	Q .V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	91.1007	38.95	Q .V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	91.3700	39.10	Q .V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	91.6403	39.25	Q .V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	91.9117	39.41	Q .V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	92.1842	39.56	Q .V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	92.4577	39.71	Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	92.7323	39.87	Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	93.0079	40.03	.Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	93.2847	40.18	.Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	93.5625	40.34	.Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	93.8414	40.50	.Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	94.1214	40.66	.Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	94.4026	40.82	.Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	94.6848	40.98	.Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	94.9682	41.14	.Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	95.2526	41.31	.Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	95.5383	41.47	.Q .V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	95.8250	41.63	.Q .V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	96.1129	41.80	.Q .V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	96.4019	41.97	.Q .V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	96.6921	42.14	.Q .V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	96.9835	42.31	.Q . V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	97.2760	42.48	.Q . V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	97.5697	42.65	.Q . V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	97.8646	42.82	.Q . V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	98.1607	42.99	.Q . V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	98.4580	43.17	.Q . V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	98.7566	43.35	.Q . V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	99.0563	43.53	.Q . V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	99.3573	43.71	.Q . V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	99.6596	43.89	.Q . V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	99.9632	44.08	.Q . V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	100.2680	44.26	.Q . V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	100.5742	44.45	.Q . V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	100.8816	44.65	.Q . V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	101.1905	44.84	.Q . V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	101.5006	45.04	.Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	101.8121	45.23	.Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	102.1251	45.43	.Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	102.4394	45.64	.Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	102.7551	45.84	.Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	103.0722	46.05	.Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	103.3908	46.26	.Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	103.7108	46.47	.Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	104.0324	46.68	.Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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 101.167    104.3554     46.90  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
 101.250    104.6799     47.12  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
 101.333    105.0059     47.34  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.333)
 101.417    105.3335     47.56  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.417)
 101.500    105.6626     47.79  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.500)
 101.583    105.9933     48.02  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.583)
 101.667    106.3257     48.25  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.667)
 101.750    106.6596     48.49  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.750)
 101.833    106.9952     48.73  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.833)
 101.917    107.3325     48.97  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.917)
 102.000    107.6714     49.21  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.000)
 102.083    108.0120     49.46  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.083)
 102.167    108.3544     49.71  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.167)
 102.250    108.6985     49.97  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.250)
 102.333    109.0444     50.23  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.333)
 102.417    109.3922     50.49  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.417)
 102.500    109.7417     50.75  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.500)
 102.583    110.0931     51.02  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.583)
 102.667    110.4463     51.29  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
 102.750    110.8015     51.57  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
 102.833    111.1586     51.85  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
 102.917    111.5177     52.14  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
 103.000    111.8787     52.42  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
 103.083    112.2418     52.72  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
 103.167    112.6068     53.01  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
 103.250    112.9740     53.31  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.250)
 103.333    113.3433     53.62  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.333)
 103.417    113.7147     53.93  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.417)
 103.500    114.0882     54.24  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.500)
 103.583    114.4640     54.56  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.583)
 103.667    114.8420     54.89  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.667)
 103.750    115.2223     55.22  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.750)
 103.833    115.6049     55.55  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.833)
 103.917    115.9898     55.89  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.917)
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 104.000    116.3771     56.24  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.000)
 104.083    116.7669     56.59  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.083)
 104.167    117.1590     56.94  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.167)
 104.250    117.5537     57.31  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.250)
 104.333    117.9509     57.68  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.333)
 104.417    118.3508     58.05  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.417)
 104.500    118.7532     58.43  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.500)
 104.583    119.1583     58.82  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.583)
 104.667    119.5661     59.22  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
 104.750    119.9767     59.62  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
 104.833    120.3901     60.03  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
 104.917    120.8064     60.45  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
 105.000    121.2256     60.87  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.000)
 105.083    121.6478     61.30  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.083)
 105.167    122.0730     61.74  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.167)
 105.250    122.5013     62.19  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.250)
 105.333    122.9327     62.64  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.333)
 105.417    123.3674     63.11  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.417)
 105.500    123.8053     63.58  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.500)
 105.583    124.2466     64.07  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.583)
 105.667    124.6912     64.56  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.667)
 105.750    125.1393     65.07  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.750)
 105.833    125.5910     65.58  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.833)
 105.917    126.0462     66.11  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.917)
 106.000    126.5052     66.64  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.000)
 106.083    126.9679     67.19  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.083)
 106.167    127.4345     67.74  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.167)
 106.250    127.9050     68.32  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.250)
 106.333    128.3795     68.90  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.333)
 106.417    128.8582     69.50  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.417)
 106.500    129.3410     70.11  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.500)
 106.583    129.8282     70.74  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.583)
 106.667    130.3197     71.37  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.667)
 106.750    130.8158     72.03  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.750)
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 106.833    131.3165     72.70  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.833)
 106.917    131.8219     73.39  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.917)
 107.000    132.3321     74.09  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.000)
 107.083    132.8474     74.81  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.083)
 107.167    133.3677     75.55  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.167)
 107.250    133.8932     76.31  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
 107.333    134.4241     77.09  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
 107.417    134.9606     77.90  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
 107.500    135.5027     78.71  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
 107.583    136.0507     79.56  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
 107.667    136.6046     80.43  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
 107.750    137.1647     81.33  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.750)
 107.833    137.7311     82.24  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.833)
 107.917    138.3041     83.20  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.917)
 108.000    138.8838     84.17  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.000)
 108.083    139.4731     85.56  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.083)
 108.167    140.0790     87.98  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.167)
 108.250    140.7138     92.17  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.250)
 108.333    141.3842     97.34  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.333)
 108.417    142.0964    103.42  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.417)
 108.500    142.8440    108.54  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
 108.583    143.6175    112.31  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
 108.667    144.4101    115.08  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
 108.750    145.2184    117.37  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.750)
 108.833    146.0400    119.30  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.833)
 108.917    146.8734    121.02  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  12.917)
 109.000    147.7185    122.71  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.000)
 109.083    148.5758    124.48  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.083)
 109.167    149.4454    126.26  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.167)
 109.250    150.3275    128.09  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
 109.333    151.2224    129.93  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
 109.417    152.1305    131.86  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
 109.500    153.0522    133.83  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
 109.583    153.9883    135.93  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.583)
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 109.667    154.9393    138.08  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.667)
 109.750    155.9060    140.37  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.750)
 109.833    156.8890    142.73  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.833)
 109.917    157.8894    145.25  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.917)
 110.000    158.9077    147.86  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.000)
 110.083    159.9461    150.77  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.083)
 110.167    161.0074    154.10  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.167)
 110.250    162.0967    158.17  .  Q      .         V         .         .
(PEAK DAY 1, HOUR  14.250)
 110.333    163.2173    162.70  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.333)
 110.417    164.3738    167.94  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.417)
 110.500    165.5685    173.47  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.500)
 110.583    166.8051    179.55  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.583)
 110.667    168.0883    186.32  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.667)
 110.750    169.4257    194.19  .   Q     .         .V        .         .
(PEAK DAY 1, HOUR  14.750)
 110.833    170.8223    202.78  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  14.833)
 110.917    172.2852    212.42  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  14.917)
 111.000    173.8201    222.86  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  15.000)
 111.083    175.4357    234.58  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  15.083)
 111.167    177.1388    247.30  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.167)
 111.250    178.9411    261.69  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.250)
 111.333    180.8522    277.50  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.333)
 111.417    182.8791    294.30  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.417)
 111.500    185.0097    309.37  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.500)
 111.583    187.2243    321.55  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.583)
 111.667    189.5230    333.78  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.667)
 111.750    191.9303    349.53  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.750)
 111.833    194.5298    377.44  .        Q.         .   V     .         .
(PEAK DAY 1, HOUR  15.833)
 111.917    197.4737    427.47  .         Q         .   V     .         .
(PEAK DAY 1, HOUR  15.917)
 112.000    200.9750    508.38  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  16.000)
 112.083    205.6728    682.13  .         .      Q  .    V    .         .
(PEAK DAY 1, HOUR  16.083)
 112.167    212.3362    967.53  .         .         .   Q V   .         .
(PEAK DAY 1, HOUR  16.167)
 112.250    221.4721   1326.53  .         .         .      V  .  Q      .
(PEAK DAY 1, HOUR  16.250)
 112.333    231.8962   1513.58  .         .         .       V .      Q  .
(PEAK DAY 1, HOUR  16.333)
 112.417    242.8206   1586.22  .         .         .         V        Q.
(PEAK DAY 1, HOUR  16.417)
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 112.500    251.9846   1330.62  .          .          .          .V Q       .
(PEAK DAY 1, HOUR  16.500)
 112.583    258.8450    996.13  .          .          .   Q      . V        .
(PEAK DAY 1, HOUR  16.583)
 112.667    263.9171    736.46  .          .        Q .          . V        .
(PEAK DAY 1, HOUR  16.667)
 112.750    267.8633    572.98  .          .   Q      .          .  V       .
(PEAK DAY 1, HOUR  16.750)
 112.833    270.9846    453.22  .          .Q         .          .  V       .
(PEAK DAY 1, HOUR  16.833)
 112.917    273.4837    362.87  .        Q.           .          .  V       .
(PEAK DAY 1, HOUR  16.917)
 113.000    275.6631    316.44  .      Q   .          .          .   V      .
(PEAK DAY 1, HOUR  17.000)
 113.083    277.6262    285.04  .      Q   .          .          .   V      .
(PEAK DAY 1, HOUR  17.083)
 113.167    279.3894    256.02  .     Q    .          .          .   V      .
(PEAK DAY 1, HOUR  17.167)
 113.250    280.9456    225.96  .    Q     .          .          .   V      .
(PEAK DAY 1, HOUR  17.250)
 113.333    282.3374    202.09  .    Q     .          .          .    V     .
(PEAK DAY 1, HOUR  17.333)
 113.417    283.6112    184.96  .   Q      .          .          .    V     .
(PEAK DAY 1, HOUR  17.417)
 113.500    284.8014    172.81  .   Q      .          .          .    V     .
(PEAK DAY 1, HOUR  17.500)
 113.583    285.9275    163.52  .   Q      .          .          .    V     .
(PEAK DAY 1, HOUR  17.583)
 113.667    287.0038    156.28  .  Q       .          .          .    V     .
(PEAK DAY 1, HOUR  17.667)
 113.750    288.0374    150.07  .  Q       .          .          .    V     .
(PEAK DAY 1, HOUR  17.750)
 113.833    289.0344    144.76  .  Q       .          .          .    V     .
(PEAK DAY 1, HOUR  17.833)
 113.917    289.9984    139.98  .  Q       .          .          .    V     .
(PEAK DAY 1, HOUR  17.917)
 114.000    290.9330    135.70  .  Q       .          .          .     V    .
(PEAK DAY 1, HOUR  18.000)
 114.083    291.8382    131.44  .  Q       .          .          .     V    .
(PEAK DAY 1, HOUR  18.083)
 114.167    292.7084    126.36  .  Q       .          .          .     V    .
(PEAK DAY 1, HOUR  18.167)
 114.250    293.5348    119.99  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.250)
 114.333    294.3125    112.92  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.333)
 114.417    295.0361    105.07  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.417)
 114.500    295.7149     98.56  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.500)
 114.583    296.3602     93.70  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.583)
 114.667    296.9800     89.99  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.667)
 114.750    297.5778     86.80  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.750)
 114.833    298.1563     84.01  . Q        .          .          .      V   .
(PEAK DAY 1, HOUR  18.833)
 114.917    298.7205     81.92  . Q        .          .          .      V   .
(PEAK DAY 1, HOUR  18.917)
 115.000    299.2716     80.01  . Q        .          .          .      V   .
(PEAK DAY 1, HOUR  19.000)
 115.083    299.8099     78.17  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.083)
 115.167    300.3355     76.31  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.167)
 115.250    300.8476     74.35  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.250)
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 115.333    301.3492     72.83  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.333)
 115.417    301.8414     71.47  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.417)
 115.500    302.3248     70.19  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.500)
 115.583    302.7998     68.97  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.583)
 115.667    303.2668     67.81  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.667)
 115.750    303.7261     66.70  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.750)
 115.833    304.1781     65.64  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.833)
 115.917    304.6231     64.62  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.917)
 116.000    305.0614     63.64  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  20.000)
 116.083    305.4932     62.70  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  20.083)
 116.167    305.9187     61.79  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  20.167)
 116.250    306.3383     60.92  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.250)
 116.333    306.7520     60.08  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.333)
 116.417    307.1602     59.26  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.417)
 116.500    307.5629     58.48  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.500)
 116.583    307.9604     57.71  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.583)
 116.667    308.3527     56.97  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.667)
 116.750    308.7400     56.24  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.750)
 116.833    309.1223     55.51  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.833)
 116.917    309.4995     54.76  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.917)
 117.000    309.8710     53.95  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.000)
 117.083    310.2382     53.31  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.083)
 117.167    310.6010     52.69  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.167)
 117.250    310.9598     52.10  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.250)
 117.333    311.3147     51.52  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.333)
 117.417    311.6657     50.97  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.417)
 117.500    312.0130     50.43  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.500)
 117.583    312.3567     49.90  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.583)
 117.667    312.6969     49.39  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.667)
 117.750    313.0336     48.90  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.750)
 117.833    313.3671     48.41  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.833)
 117.917    313.6973     47.94  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.917)
 118.000    314.0243     47.49  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  22.000)
 118.083    314.3483     47.04  .Q         .          .          .        V.
(PEAK DAY 1, HOUR  22.083)
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118.167	314.6692	46.60	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.167)								
118.250	314.9872	46.18	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.250)								
118.333	315.3024	45.76	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.333)								
118.417	315.6148	45.36	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.417)								
118.500	315.9244	44.96	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.500)								
118.583	316.2314	44.57	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.583)								
118.667	316.5357	44.19	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.667)								
118.750	316.8376	43.82	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.750)								
118.833	317.1369	43.46	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.833)								
118.917	317.4337	43.10	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.917)								
119.000	317.7282	42.76	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.000)								
119.083	318.0204	42.42	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.083)								
119.167	318.3102	42.09	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.167)								
119.250	318.5978	41.76	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.250)								
119.333	318.8832	41.44	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.333)								
119.417	319.1664	41.13	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.417)								
119.500	319.4476	40.82	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.500)								
119.583	319.7266	40.52	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.583)								
119.667	320.0037	40.22	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.667)								
119.750	320.2787	39.94	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.750)								
119.833	320.5518	39.65	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.833)								
119.917	320.8229	39.37	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.917)								
120.000	321.0922	39.10	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.000)								
120.083	321.3556	38.25	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.083)								
120.167	321.6022	35.81	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.167)								
120.250	321.8137	30.70	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.250)								
120.333	321.9799	24.13	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.333)								
120.417	322.0921	16.30	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.417)								
120.500	322.1615	10.07	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.500)								
120.583	322.2036	6.12	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.583)								
120.667	322.2299	3.82	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.667)								
120.750	322.2465	2.40	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.750)								
120.833	322.2575	1.60	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.833)								
120.917	322.2662	1.26	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.917)								
121.000	322.2732	1.01	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.000)								
121.083	322.2785	0.78	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.083)								
121.167	322.2825	0.58	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.167)								
121.250	322.2857	0.46	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.250)								
121.333	322.2884	0.39	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.333)								
121.417	322.2908	0.35	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.417)								
121.500	322.2931	0.33	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.500)								
121.583	322.2951	0.30	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.583)								
121.667	322.2971	0.28	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.667)								
121.750	322.2988	0.26	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.750)								
121.833	322.3005	0.24	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.833)								
121.917	322.3020	0.22	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.917)								
122.000	322.3033	0.20	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.000)								
122.083	322.3046	0.18	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.083)								
122.167	322.3058	0.17	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.167)								
122.250	322.3068	0.15	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.250)								
122.333	322.3077	0.14	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.333)								
122.417	322.3086	0.12	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.417)								
122.500	322.3094	0.11	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.500)								
122.583	322.3100	0.10	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.583)								
122.667	322.3106	0.09	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.667)								
122.750	322.3111	0.08	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.750)								
122.833	322.3116	0.07	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.833)								
122.917	322.3120	0.06	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.917)								
123.000	322.3124	0.05	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.000)								
123.083	322.3127	0.05	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.083)								
123.167	322.3130	0.04	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.167)								
123.250	322.3133	0.04	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.250)								
123.333	322.3135	0.04	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.333)								
123.417	322.3138	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.417)								
123.500	322.3140	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.500)								
123.583	322.3142	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.583)								
123.667	322.3144	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.667)								
123.750	322.3145	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.750)								

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 123.833    322.3147      0.02  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.833)
 123.917    322.3148      0.02  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.917)
 124.000    322.3150      0.02  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  28.000)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6039.2 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6039.2 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      800.0    1600.0    2400.0    3200.0
--------------------------------------------------------------------------------
  96.000    612.7386    315.32  .  Q     V.         .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    614.9030    314.28  .  Q     V.         .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    617.0685    314.43  .  Q     V.         .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    619.2518    317.00  .  Q     V.         .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    621.4697    322.04  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    623.7409    329.79  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    626.0615    336.96  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    628.4149    341.70  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    630.7864    344.35  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    633.1685    345.87  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    635.5563    346.71  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    637.9468    347.11  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    640.3393    347.39  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    642.7334    347.63  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    645.1288    347.81  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    647.5249    347.92  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    649.9213    347.96  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    652.3177    347.96  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    654.7141    347.95  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    657.1104    347.94  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    659.5067    347.94  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    661.9031    347.96  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    664.2994    347.96  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    666.6955    347.91  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    669.0909    347.81  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    671.4854    347.68  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    673.8790    347.55  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    676.2717    347.43  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    678.6636    347.31  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    681.0548    347.20  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    683.4453    347.10  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    685.8351    347.00  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    688.2242    346.90  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    690.6127    346.81  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    693.0007    346.73  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    695.3881    346.65  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    697.7750    346.57  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    700.1614    346.51  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    702.5475    346.46  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    704.9334    346.42  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    707.3191    346.40  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    709.7047    346.39  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    712.0903    346.40  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    714.4761    346.42  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    716.8622    346.45  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.667)
  99.750    719.2486    346.51  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.750)
  99.833    721.6354    346.57  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.833)
  99.917    724.0228    346.65  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.917)
 100.000    726.4108    346.73  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   4.000)
 100.083    728.7994    346.84  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   4.083)
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 100.167    731.1889    346.95  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   4.167)
 100.250    733.5793    347.09  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   4.250)
 100.333    735.9707    347.23  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   4.333)
 100.417    738.3632    347.39  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   4.417)
 100.500    740.7568    347.56  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   4.500)
 100.583    743.1517    347.74  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   4.583)
 100.667    745.5480    347.93  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   4.667)
 100.750    747.9456    348.14  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   4.750)
 100.833    750.3448    348.36  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   4.833)
 100.917    752.7457    348.60  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   4.917)
 101.000    755.1483    348.86  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   5.000)
 101.083    757.5527    349.12  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   5.083)
 101.167    759.9591    349.40  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   5.167)
 101.250    762.3676    349.70  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   5.250)
 101.333    764.7781    350.02  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   5.333)
 101.417    767.1910    350.34  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   5.417)
 101.500    769.6062    350.69  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   5.500)
 101.583    772.0239    351.05  .   Q     .V       .         .         .
(PEAK DAY 1, HOUR   5.583)
 101.667    774.4441    351.42  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   5.667)
 101.750    776.8671    351.81  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   5.750)
 101.833    779.2928    352.22  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   5.833)
 101.917    781.7214    352.64  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   5.917)
 102.000    784.1531    353.08  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.000)
 102.083    786.5880    353.54  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.083)
 102.167    789.0261    354.01  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.167)
 102.250    791.4676    354.50  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.250)
 102.333    793.9125    355.01  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.333)
 102.417    796.3611    355.53  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.417)
 102.500    798.8134    356.07  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.500)
 102.583    801.2695    356.63  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.583)
 102.667    803.7296    357.20  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.667)
 102.750    806.1937    357.80  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.750)
 102.833    808.6621    358.41  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.833)
 102.917    811.1349    359.04  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   6.917)
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 103.000    813.6121    359.69  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   7.000)
 103.083    816.0939    360.36  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   7.083)
 103.167    818.5804    361.04  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   7.167)
 103.250    821.0718    361.75  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   7.250)
 103.333    823.5682    362.48  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   7.333)
 103.417    826.0698    363.22  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   7.417)
 103.500    828.5765    363.99  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   7.500)
 103.583    831.0888    364.78  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   7.583)
 103.667    833.6066    365.58  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   7.667)
 103.750    836.1301    366.41  .   Q     . V      .         .         .
(PEAK DAY 1, HOUR   7.750)
 103.833    838.6594    367.26  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   7.833)
 103.917    841.1948    368.13  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   7.917)
 104.000    843.7363    369.02  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.000)
 104.083    846.2841    369.94  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.083)
 104.167    848.8383    370.88  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.167)
 104.250    851.3992    371.84  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.250)
 104.333    853.9669    372.82  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.333)
 104.417    856.5416    373.84  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.417)
 104.500    859.1233    374.87  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.500)
 104.583    861.7123    375.93  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.583)
 104.667    864.3088    377.01  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.667)
 104.750    866.9130    378.12  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.750)
 104.833    869.5249    379.25  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.833)
 104.917    872.1449    380.42  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   8.917)
 105.000    874.7731    381.61  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   9.000)
 105.083    877.4097    382.83  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   9.083)
 105.167    880.0548    384.07  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   9.167)
 105.250    882.7087    385.35  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   9.250)
 105.333    885.3716    386.66  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   9.333)
 105.417    888.0438    388.00  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   9.417)
 105.500    890.7253    389.36  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   9.500)
 105.583    893.4166    390.76  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   9.583)
 105.667    896.1176    392.19  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   9.667)
 105.750    898.8287    393.65  .   Q     .  V     .         .         .
(PEAK DAY 1, HOUR   9.750)
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 105.833    901.5496    395.08  .   Q     .  V      .         .         .
(PEAK DAY 1, HOUR   9.833)
 105.917    904.2803    396.49  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR   9.917)
 106.000    907.0204    397.88  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.000)
 106.083    909.7703    399.28  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.083)
 106.167    912.5300    400.70  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.167)
 106.250    915.2997    402.16  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.250)
 106.333    918.0796    403.64  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.333)
 106.417    920.8701    405.17  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.417)
 106.500    923.6712    406.73  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.500)
 106.583    926.4835    408.34  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.583)
 106.667    929.3069    409.97  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.667)
 106.750    932.1420    411.66  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.750)
 106.833    934.9890    413.37  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.833)
 106.917    937.8481    415.14  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.917)
 107.000    940.7196    416.95  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.000)
 107.083    943.6039    418.81  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.083)
 107.167    946.5014    420.71  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.167)
 107.250    949.4124    422.67  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.250)
 107.333    952.3370    424.67  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.333)
 107.417    955.2760    426.73  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.417)
 107.500    958.2294    428.84  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.500)
 107.583    961.1979    431.02  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.583)
 107.667    964.1816    433.24  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.667)
 107.750    967.1813    435.54  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.750)
 107.833    970.1971    437.89  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.833)
 107.917    973.2296    440.33  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.917)
 108.000    976.2793    442.81  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.000)
 108.083    979.3493    445.76  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.083)
 108.167    982.4470    449.79  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.167)
 108.250    985.5873    455.97  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.250)
 108.333    988.7849    464.29  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.333)
 108.417    992.0563    475.01  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.417)
 108.500    995.3984    485.26  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.500)
 108.583    998.7974    493.53  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.583)
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 108.667   1002.2414    500.07  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.667)
 108.750   1005.7246    505.76  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.750)
 108.833   1009.2437    510.97  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.833)
 108.917   1012.7971    515.95  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.917)
 109.000   1016.3846    520.91  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.000)
 109.083   1020.0073    526.00  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.083)
 109.167   1023.6652    531.13  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.167)
 109.250   1027.3585    536.27  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.250)
 109.333   1031.0870    541.38  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.333)
 109.417   1034.8516    546.61  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.417)
 109.500   1038.6527    551.93  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.500)
 109.583   1042.4919    557.46  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.583)
 109.667   1046.3704    563.14  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  13.667)
 109.750   1050.2897    569.09  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  13.750)
 109.833   1054.2513    575.23  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  13.833)
 109.917   1058.2574    581.69  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  13.917)
 110.000   1062.3097    588.39  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.000)
 110.083   1066.4115    595.57  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.083)
 110.167   1070.5669    603.36  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.167)
 110.250   1074.7827    612.14  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.250)
 110.333   1079.0642    621.68  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.333)
 110.417   1083.4174    632.08  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.417)
 110.500   1087.8435    642.68  .       Q .     V   .         .         .
(PEAK DAY 1, HOUR  14.500)
 110.583   1092.3458    653.73  .       Q .     V   .         .         .
(PEAK DAY 1, HOUR  14.583)
 110.667   1096.9293    665.52  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.667)
 110.750   1101.6035    678.69  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.750)
 110.833   1106.3765    693.02  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.833)
 110.917   1111.2592    708.96  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.917)
 111.000   1116.2618    726.39  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.000)
 111.083   1121.4001    746.09  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.083)
 111.167   1126.6895    768.01  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.167)
 111.250   1132.1510    793.02  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.250)
 111.333   1137.8042    820.84  .         Q      V  .         .         .
(PEAK DAY 1, HOUR  15.333)
 111.417   1143.6656    851.09  .         Q      V  .         .         .
(PEAK DAY 1, HOUR  15.417)
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 111.500   1149.7347    881.23  .         .Q     V  .         .         .
(PEAK DAY 1, HOUR  15.500)
 111.583   1155.9971    909.29  .         .Q     V  .         .         .
(PEAK DAY 1, HOUR  15.583)
 111.667   1162.4431    935.97  .         .Q      V .         .         .
(PEAK DAY 1, HOUR  15.667)
 111.750   1169.0837    964.21  .         . Q     V .         .         .
(PEAK DAY 1, HOUR  15.750)
 111.833   1176.0179   1006.84  .         . Q     V .         .         .
(PEAK DAY 1, HOUR  15.833)
 111.917   1183.4512   1079.30  .         .  Q    V .         .         .
(PEAK DAY 1, HOUR  15.917)
 112.000   1191.6703   1193.41  .         .   Q   V .         .         .
(PEAK DAY 1, HOUR  16.000)
 112.083   1201.4207   1415.75  .         .      QV .         .         .
(PEAK DAY 1, HOUR  16.083)
 112.167   1213.6542   1776.30  .         .       V . Q       .         .
(PEAK DAY 1, HOUR  16.167)
 112.250   1229.4529   2293.97  .         .        V.       Q .         .
(PEAK DAY 1, HOUR  16.250)
 112.333   1248.4678   2760.96  .         .        V.         .   Q     .
(PEAK DAY 1, HOUR  16.333)
 112.417   1269.9126   3113.79  .         .        V.         .       Q .
(PEAK DAY 1, HOUR  16.417)
 112.500   1289.9572   2910.47  .         .         V         .     Q   .
(PEAK DAY 1, HOUR  16.500)
 112.583   1306.5289   2406.22  .         .         V         Q         .
(PEAK DAY 1, HOUR  16.583)
 112.667   1319.9653   1950.96  .         .         V   Q     .         .
(PEAK DAY 1, HOUR  16.667)
 112.750   1331.3655   1655.31  .         .         Q         .         .
(PEAK DAY 1, HOUR  16.750)
 112.833   1341.3457   1449.13  .         .       Q V         .         .
(PEAK DAY 1, HOUR  16.833)
 112.917   1350.2609   1294.47  .         .     Q   V         .         .
(PEAK DAY 1, HOUR  16.917)
 113.000   1358.5038   1196.88  .         .   Q     .V        .         .
(PEAK DAY 1, HOUR  17.000)
 113.083   1366.2454   1124.08  .         .   Q     .V        .         .
(PEAK DAY 1, HOUR  17.083)
 113.167   1373.5485   1060.41  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  17.167)
 113.250   1380.4442   1001.26  .         . Q       .V        .         .
(PEAK DAY 1, HOUR  17.250)
 113.333   1387.0066    952.86  .         .Q        .V        .         .
(PEAK DAY 1, HOUR  17.333)
 113.417   1393.3167    916.22  .         .Q        .V        .         .
(PEAK DAY 1, HOUR  17.417)
 113.500   1399.4360    888.53  .         .Q        .V        .         .
(PEAK DAY 1, HOUR  17.500)
 113.583   1405.4136    867.94  .        Q          .V        .         .
(PEAK DAY 1, HOUR  17.583)
 113.667   1411.2781    851.53  .        Q          .V        .         .
(PEAK DAY 1, HOUR  17.667)
 113.750   1417.0464    837.57  .        Q          .V        .         .
(PEAK DAY 1, HOUR  17.750)
 113.833   1422.7268    824.80  .        Q          . V       .         .
(PEAK DAY 1, HOUR  17.833)
 113.917   1428.3286    813.38  .        Q          . V       .         .
(PEAK DAY 1, HOUR  17.917)
 114.000   1433.8538    802.26  .        Q          . V       .         .
(PEAK DAY 1, HOUR  18.000)
 114.083   1439.3054    791.57  .       Q.          . V       .         .
(PEAK DAY 1, HOUR  18.083)
 114.167   1444.6836    780.91  .       Q.          . V       .         .
(PEAK DAY 1, HOUR  18.167)
 114.250   1449.9703    767.63  .       Q.          . V       .         .
(PEAK DAY 1, HOUR  18.250)
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 114.333   1455.1576    753.19  .         Q.        . V       .         .
(PEAK DAY 1, HOUR  18.333)
 114.417   1460.2372    737.56  .         Q.        . V       .         .
(PEAK DAY 1, HOUR  18.417)
 114.500   1465.2140    722.62  .         Q.        . V       .         .
(PEAK DAY 1, HOUR  18.500)
 114.583   1470.0942    708.62  .       Q .         . V       .         .
(PEAK DAY 1, HOUR  18.583)
 114.667   1474.8970    697.35  .       Q .         . V       .         .
(PEAK DAY 1, HOUR  18.667)
 114.750   1479.6395    688.63  .       Q .         . V       .         .
(PEAK DAY 1, HOUR  18.750)
 114.833   1484.3320    681.35  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  18.833)
 114.917   1488.9744    674.07  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  18.917)
 115.000   1493.5704    667.34  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.000)
 115.083   1498.1309    662.18  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.083)
 115.167   1502.6609    657.76  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.167)
 115.250   1507.1625    653.62  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.250)
 115.333   1511.6400    650.13  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.333)
 115.417   1516.0956    646.95  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.417)
 115.500   1520.5305    643.95  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.500)
 115.583   1524.9456    641.06  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.583)
 115.667   1529.3411    638.23  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  19.667)
 115.750   1533.7172    635.41  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  19.750)
 115.833   1538.0717    632.28  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  19.833)
 115.917   1542.4034    628.98  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  19.917)
 116.000   1546.7153    626.08  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  20.000)
 116.083   1551.0099    623.57  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.083)
 116.167   1555.2885    621.25  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.167)
 116.250   1559.5514    618.98  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.250)
 116.333   1563.7985    616.67  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.333)
 116.417   1568.0253    613.74  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.417)
 116.500   1572.2350    611.25  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.500)
 116.583   1576.4305    609.20  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.583)
 116.667   1580.6136    607.38  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.667)
 116.750   1584.7849    605.66  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.750)
 116.833   1588.9447    604.00  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.833)
 116.917   1593.0931    602.35  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.917)
 117.000   1597.2302    600.70  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  21.000)
 117.083   1601.3572    599.23  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  21.083)
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117.167	1605.4744	597.82	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 21.167)											
117.250	1609.5822	596.45	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 21.250)											
117.333	1613.6808	595.12	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 21.333)											
117.417	1617.7704	593.82	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 21.417)											
117.500	1621.8513	592.55	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 21.500)											
117.583	1625.9237	591.31	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 21.583)											
117.667	1629.9877	590.10	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 21.667)											
117.750	1634.0436	588.91	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 21.750)											
117.833	1638.0914	587.75	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 21.833)											
117.917	1642.1315	586.62	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 21.917)											
118.000	1646.1639	585.51	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.000)											
118.083	1650.1890	584.43	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.083)											
118.167	1654.2065	583.36	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.167)											
118.250	1658.2169	582.31	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.250)											
118.333	1662.2202	581.28	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.333)											
118.417	1666.2167	580.28	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.417)											
118.500	1670.2063	579.29	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.500)											
118.583	1674.1892	578.32	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.583)											
118.667	1678.1655	577.37	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.667)											
118.750	1682.1354	576.43	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.750)											
118.833	1686.0989	575.50	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.833)											
118.917	1690.0562	574.59	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 22.917)											
119.000	1694.0072	573.70	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.000)											
119.083	1697.9521	572.81	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.083)											
119.167	1701.8911	571.94	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.167)											
119.250	1705.8242	571.08	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.250)											
119.333	1709.7515	570.23	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.333)											
119.417	1713.6729	569.39	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.417)											
119.500	1717.5886	568.56	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.500)											
119.583	1721.4987	567.74	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.583)											
119.667	1725.4032	566.94	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.667)											
119.750	1729.3022	566.14	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.750)											
119.833	1733.1958	565.35	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.833)											
119.917	1737.0840	564.57	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 23.917)											

120.000	1740.9669	563.80	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.000)											
120.083	1744.8406	562.45	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.083)											
120.167	1748.6941	559.52	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.167)											
120.250	1752.5052	553.38	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.250)											
120.333	1756.2520	544.02	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.333)											
120.417	1759.9099	531.14	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.417)											
120.500	1763.4860	519.24	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.500)											
120.583	1767.0038	510.79	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.583)											
120.667	1770.4840	505.34	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.667)											
120.750	1773.9384	501.57	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.750)											
120.833	1777.3741	498.88	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.833)											
120.917	1780.7966	496.95	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 24.917)											
121.000	1784.2080	495.33	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.000)											
121.083	1787.6094	493.88	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.083)											
121.167	1791.0018	492.58	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.167)											
121.250	1794.3866	491.47	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.250)											
121.333	1797.7646	490.50	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.333)											
121.417	1801.1368	489.64	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.417)											
121.500	1804.5035	488.85	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.500)											
121.583	1807.8651	488.11	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.583)											
121.667	1811.2218	487.39	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.667)											
121.750	1814.5736	486.68	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.750)											
121.833	1817.9207	486.00	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.833)											
121.917	1821.2632	485.33	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 25.917)											
122.000	1824.6012	484.68	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 26.000)											
122.083	1827.9349	484.05	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 26.083)											
122.167	1831.2644	483.43	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 26.167)											
122.250	1834.5897	482.83	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 26.250)											
122.333	1837.9110	482.25	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 26.333)											
122.417	1841.2284	481.68	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 26.417)											
122.500	1844.5419	481.12	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 26.500)											
122.583	1847.8517	480.59	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 26.583)											
122.667	1851.1580	480.07	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 26.667)											
122.750	1854.4608	479.57	.	Q	.	.	V	.	.		
(PEAK DAY 1, HOUR 26.750)											

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 122.833   1857.7603    479.08  .    Q    .         .       V .         .
 (PEAK DAY 1, HOUR  26.833)
 122.917   1861.0564    478.60  .    Q    .         .       V .         .
 (PEAK DAY 1, HOUR  26.917)
 123.000   1864.3494    478.14  .    Q    .         .       V .         .
 (PEAK DAY 1, HOUR  27.000)
 123.083   1867.6392    477.68  .    Q    .         .       V .         .
 (PEAK DAY 1, HOUR  27.083)
 123.167   1870.9259    477.23  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.167)
 123.250   1874.2095    476.78  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1877.4900    476.34  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1880.7675    475.89  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.417)
 123.500   1884.0419    475.44  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.500)
 123.583   1887.3132    475.00  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.583)
 123.667   1890.5815    474.55  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.667)
 123.750   1893.8468    474.11  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.750)
 123.833   1897.1090    473.67  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.833)
 123.917   1900.3682    473.23  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.917)
 124.000   1903.6244    472.80  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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*******************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6371.00 IS CODE = 5.2
-------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
===============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6039.2 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     314.00
           DOWNSTREAM ELEVATION(FT) =     220.00
           CHANNEL LENGTH(FT) =    5919.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  3113.79
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  2358.50
           CHANNEL NORMAL VELOCITY FOR Q =  2358.50 CFS =  12.27 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.878

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.817
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CONVEX METHOD CHANNEL ROUTING RESULTS:

PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	315.32	317.74	317.74
1	0.083	96.083	314.28	316.26	316.26
1	0.167	96.167	314.43	314.99	314.99
1	0.250	96.250	317.00	314.48	314.48
1	0.333	96.333	322.04	315.68	315.68
1	0.417	96.417	329.79	319.18	319.18
1	0.500	96.500	336.96	325.23	325.23
1	0.583	96.583	341.70	332.39	332.39
1	0.667	96.667	344.35	338.40	338.40
1	0.750	96.750	345.87	342.37	342.37
1	0.833	96.833	346.71	344.72	344.72
1	0.917	96.917	347.11	346.06	346.06
1	1.000	97.000	347.39	346.78	346.78
1	1.083	97.083	347.63	347.18	347.18
1	1.167	97.167	347.81	347.47	347.47
1	1.250	97.250	347.92	347.69	347.69
1	1.333	97.333	347.96	347.84	347.84
1	1.417	97.417	347.96	347.92	347.92
1	1.500	97.500	347.95	347.95	347.95
1	1.583	97.583	347.94	347.95	347.95
1	1.667	97.667	347.94	347.95	347.95
1	1.750	97.750	347.96	347.94	347.94
1	1.833	97.833	347.96	347.95	347.95
1	1.917	97.917	347.91	347.96	347.96
1	2.000	98.000	347.81	347.93	347.93
1	2.083	98.083	347.68	347.86	347.86
1	2.167	98.167	347.55	347.76	347.76
1	2.250	98.250	347.43	347.63	347.63
1	2.333	98.333	347.31	347.51	347.51
1	2.417	98.417	347.20	347.38	347.38
1	2.500	98.500	347.10	347.27	347.27
1	2.583	98.583	347.00	347.16	347.16
1	2.667	98.667	346.90	347.07	347.07
1	2.750	98.750	346.81	346.97	346.97
1	2.833	98.833	346.73	346.87	346.87
1	2.917	98.917	346.65	346.78	346.78
1	3.000	99.000	346.57	346.70	346.70
1	3.083	99.083	346.51	346.62	346.62
1	3.167	99.167	346.46	346.55	346.55
1	3.250	99.250	346.42	346.49	346.49
1	3.333	99.333	346.40	346.45	346.45
1	3.417	99.417	346.39	346.42	346.42
1	3.500	99.500	346.40	346.40	346.40
1	3.583	99.583	346.42	346.39	346.39
1	3.667	99.667	346.45	346.41	346.41
1	3.750	99.750	346.51	346.43	346.43
1	3.833	99.833	346.57	346.47	346.47
1	3.917	99.917	346.65	346.53	346.53
1	4.000	100.000	346.73	346.60	346.60
1	4.083	100.083	346.84	346.68	346.68
1	4.167	100.167	346.95	346.77	346.77
1	4.250	100.250	347.09	346.88	346.88
1	4.333	100.333	347.23	347.00	347.00
1	4.417	100.417	347.39	347.14	347.14
1	4.500	100.500	347.56	347.29	347.29
1	4.583	100.583	347.74	347.45	347.45
1	4.667	100.667	347.93	347.62	347.62
1	4.750	100.750	348.14	347.81	347.81
1	4.833	100.833	348.36	348.01	348.01
1	4.917	100.917	348.60	348.22	348.22
1	5.000	101.000	348.86	348.45	348.45

1	5.083	101.083	349.12	348.70	348.70
1	5.167	101.167	349.40	348.96	348.96
1	5.250	101.250	349.70	349.23	349.23
1	5.333	101.333	350.02	349.52	349.52
1	5.417	101.417	350.34	349.82	349.82
1	5.500	101.500	350.69	350.14	350.14
1	5.583	101.583	351.05	350.47	350.47
1	5.667	101.667	351.42	350.82	350.82
1	5.750	101.750	351.81	351.19	351.19
1	5.833	101.833	352.22	351.57	351.57
1	5.917	101.917	352.64	351.96	351.96
1	6.000	102.000	353.08	352.38	352.38
1	6.083	102.083	353.54	352.81	352.81
1	6.167	102.167	354.01	353.25	353.25
1	6.250	102.250	354.50	353.71	353.71
1	6.333	102.333	355.01	354.19	354.19
1	6.417	102.417	355.53	354.69	354.69
1	6.500	102.500	356.07	355.20	355.20
1	6.583	102.583	356.63	355.73	355.73
1	6.667	102.667	357.20	356.28	356.28
1	6.750	102.750	357.80	356.84	356.84
1	6.833	102.833	358.41	357.42	357.42
1	6.917	102.917	359.04	358.02	358.02
1	7.000	103.000	359.69	358.64	358.64
1	7.083	103.083	360.36	359.28	359.28
1	7.167	103.167	361.04	359.94	359.94
1	7.250	103.250	361.75	360.61	360.61
1	7.333	103.333	362.48	361.31	361.31
1	7.417	103.417	363.22	362.02	362.02
1	7.500	103.500	363.99	362.75	362.75
1	7.583	103.583	364.78	363.50	363.50
1	7.667	103.667	365.58	364.28	364.28
1	7.750	103.750	366.41	365.07	365.07
1	7.833	103.833	367.26	365.89	365.89
1	7.917	103.917	368.13	366.72	366.72
1	8.000	104.000	369.02	367.58	367.58
1	8.083	104.083	369.94	368.46	368.46
1	8.167	104.167	370.88	369.36	369.36
1	8.250	104.250	371.84	370.28	370.28
1	8.333	104.333	372.82	371.23	371.23
1	8.417	104.417	373.84	372.20	372.20
1	8.500	104.500	374.87	373.20	373.20
1	8.583	104.583	375.93	374.21	374.21
1	8.667	104.667	377.01	375.26	375.26
1	8.750	104.750	378.12	376.32	376.32
1	8.833	104.833	379.25	377.42	377.42
1	8.917	104.917	380.42	378.54	378.54
1	9.000	105.000	381.61	379.68	379.68
1	9.083	105.083	382.83	380.86	380.86
1	9.167	105.167	384.07	382.06	382.06
1	9.250	105.250	385.35	383.29	383.29
1	9.333	105.333	386.66	384.54	384.54
1	9.417	105.417	388.00	385.83	385.83
1	9.500	105.500	389.36	387.15	387.15
1	9.583	105.583	390.76	388.50	388.50
1	9.667	105.667	392.19	389.88	389.88
1	9.750	105.750	393.65	391.29	391.29
1	9.833	105.833	395.08	392.73	392.73
1	9.917	105.917	396.49	394.17	394.17
1	10.000	106.000	397.88	395.59	395.59
1	10.083	106.083	399.28	396.99	396.99
1	10.167	106.167	400.70	398.39	398.39
1	10.250	106.250	402.16	399.80	399.80
1	10.333	106.333	403.64	401.24	401.24
1	10.417	106.417	405.17	402.70	402.70
1	10.500	106.500	406.73	404.21	404.21
1	10.583	106.583	408.34	405.74	405.74
1	10.667	106.667	409.97	407.32	407.32

1	10.750	106.750	411.66	408.93	408.93
1	10.833	106.833	413.37	410.59	410.59
1	10.917	106.917	415.14	412.28	412.28
1	11.000	107.000	416.95	414.02	414.02
1	11.083	107.083	418.81	415.80	415.80
1	11.167	107.167	420.71	417.63	417.63
1	11.250	107.250	422.67	419.51	419.51
1	11.333	107.333	424.67	421.43	421.43
1	11.417	107.417	426.73	423.40	423.40
1	11.500	107.500	428.84	425.43	425.43
1	11.583	107.583	431.02	427.51	427.51
1	11.667	107.667	433.24	429.64	429.64
1	11.750	107.750	435.54	431.84	431.84
1	11.833	107.833	437.89	434.09	434.09
1	11.917	107.917	440.33	436.41	436.41
1	12.000	108.000	442.81	438.79	438.79
1	12.083	108.083	445.76	441.24	441.24
1	12.167	108.167	449.79	443.94	443.94
1	12.250	108.250	455.97	447.36	447.36
1	12.333	108.333	464.29	452.31	452.31
1	12.417	108.417	475.01	459.30	459.30
1	12.500	108.500	485.26	468.52	468.52
1	12.583	108.583	493.53	478.75	478.75
1	12.667	108.667	500.07	488.04	488.04
1	12.750	108.750	505.76	495.66	495.66
1	12.833	108.833	510.97	502.00	502.00
1	12.917	108.917	515.95	507.57	507.57
1	13.000	109.000	520.91	512.74	512.74
1	13.083	109.083	526.00	517.74	517.74
1	13.167	109.167	531.13	522.78	522.78
1	13.250	109.250	536.27	527.87	527.87
1	13.333	109.333	541.38	533.00	533.00
1	13.417	109.417	546.61	538.13	538.13
1	13.500	109.500	551.93	543.30	543.30
1	13.583	109.583	557.46	548.56	548.56
1	13.667	109.667	563.14	553.97	553.97
1	13.750	109.750	569.09	559.55	559.55
1	13.833	109.833	575.23	565.34	565.34
1	13.917	109.917	581.69	571.35	571.35
1	14.000	110.000	588.39	577.62	577.62
1	14.083	110.083	595.57	584.17	584.17
1	14.167	110.167	603.36	591.07	591.07
1	14.250	110.250	612.14	598.49	598.49
1	14.333	110.333	621.68	606.69	606.69
1	14.417	110.417	632.08	615.72	615.72
1	14.500	110.500	642.68	625.58	625.58
1	14.583	110.583	653.73	635.98	635.98
1	14.667	110.667	665.52	646.76	646.76
1	14.750	110.750	678.69	658.12	658.12
1	14.833	110.833	693.02	670.49	670.49
1	14.917	110.917	708.96	684.07	684.07
1	15.000	111.000	726.39	699.04	699.04
1	15.083	111.083	746.09	715.51	715.51
1	15.167	111.167	768.01	733.86	733.86
1	15.250	111.250	793.02	754.37	754.37
1	15.333	111.333	820.84	777.52	777.52
1	15.417	111.417	851.09	803.54	803.54
1	15.500	111.500	881.23	832.20	832.20
1	15.583	111.583	909.29	862.11	862.11
1	15.667	111.667	935.97	891.20	891.20
1	15.750	111.750	964.21	918.79	918.79
1	15.833	111.833	1006.84	946.38	946.38
1	15.917	111.917	1079.30	981.42	981.42
1	16.000	112.000	1193.41	1036.98	1036.98
1	16.083	112.083	1415.75	1126.35	1126.35
1	16.167	112.167	1776.30	1287.90	1287.90
1	16.250	112.250	2293.97	1565.48	1565.48
1	16.333	112.333	2760.96	1986.29	1986.29

1	16.417	112.417	3113.79	2461.87	2461.87
1	16.500	112.500	2910.47	2875.60	2875.60
1	16.583	112.583	2406.22	2972.49	2972.49
1	16.667	112.667	1950.96	2679.65	2679.65
1	16.750	112.750	1655.31	2237.68	2237.68
1	16.833	112.833	1449.13	1861.51	1861.51
1	16.917	112.917	1294.47	1594.08	1594.08
1	17.000	113.000	1196.88	1401.42	1401.42
1	17.083	113.083	1124.08	1267.20	1267.20
1	17.167	113.167	1060.41	1174.80	1174.80
1	17.250	113.250	1001.26	1102.79	1102.79
1	17.333	113.333	952.86	1039.77	1039.77
1	17.417	113.417	916.22	985.07	985.07
1	17.500	113.500	888.53	941.17	941.17
1	17.583	113.583	867.94	907.49	907.49
1	17.667	113.667	851.53	882.12	882.12
1	17.750	113.750	837.57	862.66	862.66
1	17.833	113.833	824.80	846.86	846.86
1	17.917	113.917	813.38	833.14	833.14
1	18.000	114.000	802.26	820.84	820.84
1	18.083	114.083	791.57	809.41	809.41
1	18.167	114.167	780.91	798.44	798.44
1	18.250	114.250	767.63	787.71	787.71
1	18.333	114.333	753.19	775.78	775.78
1	18.417	114.417	737.56	762.19	762.19
1	18.500	114.500	722.62	747.33	747.33
1	18.583	114.583	708.62	732.18	732.18
1	18.667	114.667	697.35	717.65	717.65
1	18.750	114.750	688.63	704.86	704.86
1	18.833	114.833	681.35	694.54	694.54
1	18.917	114.917	674.07	686.21	686.21
1	19.000	115.000	667.34	678.75	678.75
1	19.083	115.083	662.18	671.70	671.70
1	19.167	115.167	657.76	665.66	665.66
1	19.250	115.250	653.62	660.69	660.69
1	19.333	115.333	650.13	656.31	656.31
1	19.417	115.417	646.95	652.44	652.44
1	19.500	115.500	643.95	649.03	649.03
1	19.583	115.583	641.06	645.89	645.89
1	19.667	115.667	638.23	642.92	642.92
1	19.750	115.750	635.41	640.04	640.04
1	19.833	115.833	632.28	637.21	637.21
1	19.917	115.917	628.98	634.23	634.23
1	20.000	116.000	626.08	631.05	631.05
1	20.083	116.083	623.57	627.97	627.97
1	20.167	116.167	621.25	625.22	625.22
1	20.250	116.250	618.98	622.76	622.76
1	20.333	116.333	616.67	620.44	620.44
1	20.417	116.417	613.74	618.14	618.14
1	20.500	116.500	611.25	615.53	615.53
1	20.583	116.583	609.20	612.87	612.87
1	20.667	116.667	607.38	610.56	610.56
1	20.750	116.750	605.66	608.58	608.58
1	20.833	116.833	604.00	606.77	606.77
1	20.917	116.917	602.35	605.07	605.07
1	21.000	117.000	600.70	603.40	603.40
1	21.083	117.083	599.23	601.75	601.75
1	21.167	117.167	597.82	600.19	600.19
1	21.250	117.250	596.45	598.73	598.73
1	21.333	117.333	595.12	597.33	597.33
1	21.417	117.417	593.82	595.97	595.97
1	21.500	117.500	592.55	594.65	594.65
1	21.583	117.583	591.31	593.36	593.36
1	21.667	117.667	590.10	592.10	592.10
1	21.750	117.750	588.91	590.87	590.87
1	21.833	117.833	587.75	589.67	589.67
1	21.917	117.917	586.62	588.49	588.49
1	22.000	118.000	585.51	587.34	587.34

1	22.083	118.083	584.43	586.22	586.22
1	22.167	118.167	583.36	585.12	585.12
1	22.250	118.250	582.31	584.04	584.04
1	22.333	118.333	581.28	582.98	582.98
1	22.417	118.417	580.28	581.94	581.94
1	22.500	118.500	579.29	580.92	580.92
1	22.583	118.583	578.32	579.92	579.92
1	22.667	118.667	577.37	578.94	578.94
1	22.750	118.750	576.43	577.98	577.98
1	22.833	118.833	575.50	577.03	577.03
1	22.917	118.917	574.59	576.09	576.09
1	23.000	119.000	573.70	575.17	575.17
1	23.083	119.083	572.81	574.27	574.27
1	23.167	119.167	571.94	573.38	573.38
1	23.250	119.250	571.08	572.50	572.50
1	23.333	119.333	570.23	571.63	571.63
1	23.417	119.417	569.39	570.77	570.77
1	23.500	119.500	568.56	569.93	569.93
1	23.583	119.583	567.74	569.09	569.09
1	23.667	119.667	566.94	568.27	568.27
1	23.750	119.750	566.14	567.45	567.45
1	23.833	119.833	565.35	566.65	566.65
1	23.917	119.917	564.57	565.85	565.85
1	24.000	120.000	563.80	565.07	565.07
1	24.083	120.083	562.45	564.29	564.29
1	24.167	120.167	559.52	563.24	563.24
1	24.250	120.250	553.38	561.19	561.19
1	24.333	120.333	544.02	556.88	556.88
1	24.417	120.417	531.14	549.53	549.53
1	24.500	120.500	519.24	538.84	538.84
1	24.583	120.583	510.79	526.84	526.84
1	24.667	120.667	505.34	516.57	516.57
1	24.750	120.750	501.57	509.23	509.23
1	24.833	120.833	498.88	504.24	504.24
1	24.917	120.917	496.95	500.77	500.77
1	25.000	121.000	495.33	498.30	498.30
1	25.083	121.083	493.88	496.42	496.42
1	25.167	121.167	492.58	494.84	494.84
1	25.250	121.250	491.47	493.43	493.43
1	25.333	121.333	490.50	492.20	492.20
1	25.417	121.417	489.64	491.14	491.14
1	25.500	121.500	488.85	490.20	490.20
1	25.583	121.583	488.11	489.37	489.37
1	25.667	121.667	487.39	488.59	488.59
1	25.750	121.750	486.68	487.85	487.85
1	25.833	121.833	486.00	487.13	487.13
1	25.917	121.917	485.33	486.44	486.44
1	26.000	122.000	484.68	485.76	485.76
1	26.083	122.083	484.05	485.10	485.10
1	26.167	122.167	483.43	484.46	484.46
1	26.250	122.250	482.83	483.83	483.83
1	26.333	122.333	482.25	483.22	483.22
1	26.417	122.417	481.68	482.62	482.62
1	26.500	122.500	481.12	482.05	482.05
1	26.583	122.583	480.59	481.48	481.48
1	26.667	122.667	480.07	480.93	480.93
1	26.750	122.750	479.57	480.40	480.40
1	26.833	122.833	479.08	479.89	479.89
1	26.917	122.917	478.60	479.39	479.39
1	27.000	123.000	478.14	478.91	478.91
1	27.083	123.083	477.68	478.43	478.43
1	27.167	123.167	477.23	477.97	477.97
1	27.250	123.250	476.78	477.52	477.52
1	27.333	123.333	476.34	477.07	477.07
1	27.417	123.417	475.89	476.62	476.62
1	27.500	123.500	475.44	476.17	476.17
1	27.583	123.583	475.00	475.73	475.73
1	27.667	123.667	474.55	475.28	475.28

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  1   27.750 123.750       474.11      474.84      474.84
  1   27.833 123.833       473.67      474.39      474.39
  1   27.917 123.917       473.23      473.95      473.95
  1   28.000 124.000       472.80      473.51      473.51
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   2578.951 AF
    OUTFLOW VOLUME =   2578.949 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6360.00 TO NODE   6371.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   922.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

     (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     922.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.250 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.120|   0.120|   0.120|   0.120|   0.120|
        | LOW LOSS FRACTION |   0.510|   0.760|   0.950|   0.990|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.959
         30-MINUTE FACTOR = 0.959
          1-HOUR FACTOR = 0.959
          3-HOUR FACTOR = 0.994
          6-HOUR FACTOR = 0.997
         24-HOUR FACTOR = 0.998

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333


        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
        MODEL TIME(HOURS) FOR END OF RESULTS = 124.00
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                      UNIT HYDROGRAPH DETERMINATION

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    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
       1                2.292               255.704
       2               13.821              1285.900
       3               35.522              2420.567
       4               62.164              2971.648
       5               80.648              2061.668
       6               89.997              1042.866
       7               94.646               518.513
       8               96.625               220.790
       9               97.489                96.296
      10               98.211                80.598
      11               98.708                55.360
      12               99.005                33.223
      13               99.174                18.845
      14               99.253                 8.821
      15               99.326                 8.100
      16               99.394                 7.535
      17               99.458                 7.164
      18               99.518                 6.727
      19               99.574                 6.257
      20               99.626                 5.759
      21               99.675                 5.514
      22               99.718                 4.708
      23               99.759                 4.643
      24               99.799                 4.443
      25               99.827                 3.130
      26               99.851                 2.675
      27               99.875                 2.675
      28               99.897                 2.469
      29               99.906                 1.014
      30               99.913                 0.730
      31               99.919                 0.731
      32               99.926                 0.729
      33               99.932                 0.731
      34               99.939                 0.729
      35               99.946                 0.730
      36               99.952                 0.729
      37               99.959                 0.729
      38               99.965                 0.729
      39               99.972                 0.730
      40               99.978                 0.729
      41               99.985                 0.729
      42               99.991                 0.729
      43               99.998                 0.729
      44              100.000                 0.237


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     433.5397
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     453.8287
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 650.0 1300.0 1950.0 2600.0
96.000	126.4908	10.29	Q .V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	126.5666	11.01	Q .V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	126.6693	14.91	Q .V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	126.8231	22.33	Q .V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	127.0401	31.50	Q .V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	127.3012	37.92	Q .V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	127.5853	41.24	Q .V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	127.8812	42.97	Q .V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	128.1828	43.79	Q .V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	128.4874	44.23	Q .V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	128.7947	44.62	Q .V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	129.1042	44.94	Q .V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	129.4155	45.20	Q .V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	129.7283	45.41	Q .V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	130.0422	45.59	Q .V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	130.3575	45.77	Q .V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	130.6740	45.95	Q .V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	130.9917	46.14	Q .V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	131.3107	46.32	Q .V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	131.6310	46.50	Q .V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	131.9525	46.68	Q .V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	132.2753	46.87	Q .V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	132.5993	47.05	Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	132.9246	47.23	Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	133.2512	47.42	Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	133.5791	47.60	Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	133.9082	47.79	Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	134.2386	47.97	Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	134.5703	48.16	Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	134.9032	48.34	Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	135.2374	48.53	Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	135.5729	48.71	Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	135.9097	48.90	Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	136.2478	49.09	Q . V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	136.5872	49.28	Q . V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	136.9279	49.48	Q . V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	137.2700	49.67	Q . V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	137.6135	49.87	Q . V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	137.9583	50.07	Q . V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	138.3045	50.27	Q . V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	138.6522	50.48	Q . V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	139.0012	50.68	Q . V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	139.3517	50.89	Q . V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	139.7036	51.10	Q . V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	140.0570	51.31	Q . V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	140.4118	51.52	Q . V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	140.7682	51.74	Q . V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	141.1260	51.95	Q . V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	141.4853	52.18	Q . V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	141.8462	52.40	Q . V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	142.2086	52.62	Q . V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	142.5726	52.85	Q . V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	142.9381	53.08	Q . V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	143.3053	53.31	Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	143.6741	53.55	Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	144.0445	53.78	Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	144.4165	54.02	Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	144.7903	54.27	Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	145.1657	54.51	Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	145.5429	54.76	Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	145.9218	55.02	Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	146.3024	55.27	Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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101.167    146.6848     55.53  Q          . V        .          .          .
(PEAK DAY 1, HOUR   5.167)
101.250    147.0691     55.79  Q          . V        .          .          .
(PEAK DAY 1, HOUR   5.250)
101.333    147.4551     56.05  Q          . V        .          .          .
(PEAK DAY 1, HOUR   5.333)
101.417    147.8430     56.32  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.417)
101.500    148.2327     56.59  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.500)
101.583    148.6244     56.87  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.583)
101.667    149.0179     57.14  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.667)
101.750    149.4134     57.42  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.750)
101.833    149.8109     57.71  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.833)
101.917    150.2103     58.00  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.917)
102.000    150.6118     58.29  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.000)
102.083    151.0152     58.59  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.083)
102.167    151.4208     58.89  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.167)
102.250    151.8285     59.19  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.250)
102.333    152.2383     59.50  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.333)
102.417    152.6502     59.81  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.417)
102.500    153.0643     60.13  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.500)
102.583    153.4807     60.45  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.583)
102.667    153.8993     60.78  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.667)
102.750    154.3201     61.11  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.750)
102.833    154.7433     61.45  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.833)
102.917    155.1688     61.78  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.917)
103.000    155.5967     62.13  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.000)
103.083    156.0270     62.48  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.083)
103.167    156.4598     62.84  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.167)
103.250    156.8950     63.19  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.250)
103.333    157.3327     63.56  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.333)
103.417    157.7730     63.93  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.417)
103.500    158.2159     64.31  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.500)
103.583    158.6615     64.69  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.583)
103.667    159.1097     65.08  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   7.667)
103.750    159.5606     65.47  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   7.750)
103.833    160.0143     65.88  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   7.833)
103.917    160.4708     66.28  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   7.917)
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104.000    160.9302     66.70  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.000)
104.083    161.3924     67.12  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.083)
104.167    161.8577     67.55  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.167)
104.250    162.3259     67.98  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.250)
104.333    162.7971     68.43  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.333)
104.417    163.2715     68.88  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.417)
104.500    163.7490     69.34  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.500)
104.583    164.2297     69.80  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.583)
104.667    164.7137     70.28  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.667)
104.750    165.2010     70.76  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.750)
104.833    165.6917     71.25  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.833)
104.917    166.1859     71.75  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.917)
105.000    166.6836     72.26  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.000)
105.083    167.1848     72.78  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.083)
105.167    167.6897     73.31  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.167)
105.250    168.1983     73.85  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.250)
105.333    168.7106     74.40  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.333)
105.417    169.2269     74.96  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.417)
105.500    169.7471     75.53  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.500)
105.583    170.2712     76.11  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR   9.583)
105.667    170.7995     76.71  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR   9.667)
105.750    171.3320     77.31  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR   9.750)
105.833    171.8687     77.93  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR   9.833)
105.917    172.4097     78.56  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR   9.917)
106.000    172.9553     79.21  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.000)
106.083    173.5053     79.87  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.083)
106.167    174.0600     80.55  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.167)
106.250    174.6195     81.23  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.250)
106.333    175.1838     81.94  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.333)
106.417    175.7531     82.66  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.417)
106.500    176.3275     83.40  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.500)
106.583    176.9070     84.15  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.583)
106.667    177.4919     84.93  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.667)
106.750    178.0822     85.71  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.750)
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106.833    178.6782     86.53  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    179.2798     87.36  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    179.8873     88.21  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    180.5009     89.08  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167    181.1206     89.99  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250    181.7466     90.90  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333    182.3792     91.85  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417    183.0185     92.82  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500    183.6647     93.83  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583    184.3179     94.85  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667    184.9784     95.91  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750    185.6464     96.99  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833    186.3222     98.12  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917    187.0058     99.27  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000    187.6978    100.47  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083    188.4071    103.00  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167    189.1709    110.90  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250    190.0303    124.79  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333    191.0077    141.92  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417    192.0742    154.86  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500    193.1971    163.04  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583    194.3594    168.77  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667    195.5523    173.20  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750    196.7720    177.11  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833    198.0194    181.12  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917    199.2942    185.10  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000    200.5969    189.16  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083    201.9279    193.26  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167    203.2883    197.53  .  Q      .      V  .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250    204.6788    201.90  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333    206.1012    206.52  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417    207.5563    211.28  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500    209.0460    216.31  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583    210.5715    221.50  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.583)
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109.667    212.1349    227.01  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750    213.7376    232.71  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833    215.3821    238.78  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917    217.0699    245.07  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.917)
110.000    218.8041    251.80  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.000)
110.083    220.5902    259.34  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.083)
110.167    222.4465    269.54  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.167)
110.250    224.3919    282.46  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.250)
110.333    226.4383    297.14  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.333)
110.417    228.5758    310.36  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.417)
110.500    230.7948    322.20  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.500)
110.583    233.0915    333.49  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.583)
110.667    235.4680    345.08  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.667)
110.750    237.9275    357.12  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.750)
110.833    240.4778    370.30  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  14.833)
110.917    243.1250    384.38  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  14.917)
111.000    245.8795    399.94  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.000)
111.083    248.7500    416.80  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.083)
111.167    251.7508    435.72  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.167)
111.250    254.8950    456.54  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.250)
111.333    258.2032    480.36  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.333)
111.417    261.6745    504.03  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  15.417)
111.500    265.2556    519.98  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  15.500)
111.583    268.8864    527.19  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.583)
111.667    272.5746    535.52  .       Q .         .   V     .         .
(PEAK DAY 1, HOUR  15.667)
111.750    276.4615    564.39  .       Q .         .   V     .         .
(PEAK DAY 1, HOUR  15.750)
111.833    280.7536    623.20  .        Q.         .   V     .         .
(PEAK DAY 1, HOUR  15.833)
111.917    285.6821    715.63  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  15.917)
112.000    291.6738    869.99  .          . Q      .    V    .         .
(PEAK DAY 1, HOUR  16.000)
112.083    299.9257   1198.18  .          .       Q .     V   .         .
(PEAK DAY 1, HOUR  16.083)
112.167    312.6125   1842.12  .          .         .      VQ .         .
(PEAK DAY 1, HOUR  16.167)
112.250    329.2037   2409.04  .          .         .        V.      Q  .
(PEAK DAY 1, HOUR  16.250)
112.333    346.6870   2538.58  .          .         .         V        Q.
(PEAK DAY 1, HOUR  16.333)
112.417    360.1437   1953.91  .          .         .         QV       .
(PEAK DAY 1, HOUR  16.417)
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112.500    369.2429   1321.20  .          .          Q          . V        .
(PEAK DAY 1, HOUR  16.500)
112.583    375.7551    945.57  .          .   Q      .          .  V       .
(PEAK DAY 1, HOUR  16.583)
112.667    380.7361    723.23  .          .Q         .          .  V       .
(PEAK DAY 1, HOUR  16.667)
112.750    384.8868    602.69  .        Q.           .          .  V       .
(PEAK DAY 1, HOUR  16.750)
112.833    388.6063    540.07  .       Q .           .          .   V      .
(PEAK DAY 1, HOUR  16.833)
112.917    391.9329    483.02  .      Q  .           .          .   V      .
(PEAK DAY 1, HOUR  16.917)
113.000    394.9217    433.96  .     Q   .           .          .   V      .
(PEAK DAY 1, HOUR  17.000)
113.083    397.6353    394.02  .     Q   .           .          .    V     .
(PEAK DAY 1, HOUR  17.083)
113.167    400.1144    359.97  .    Q    .           .          .    V     .
(PEAK DAY 1, HOUR  17.167)
113.250    402.3992    331.75  .    Q    .           .          .    V     .
(PEAK DAY 1, HOUR  17.250)
113.333    404.5044    305.67  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.333)
113.417    406.4601    283.98  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.417)
113.500    408.2940    266.28  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.500)
113.583    410.0247    251.30  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.583)
113.667    411.6657    238.27  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.667)
113.750    413.2271    226.73  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.750)
113.833    414.7146    215.98  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.833)
113.917    416.1360    206.38  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.917)
114.000    417.4958    197.44  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  18.000)
114.083    418.7867    187.45  . Q       .           .          .     V    .
(PEAK DAY 1, HOUR  18.083)
114.167    419.9803    173.31  . Q       .           .          .      V   .
(PEAK DAY 1, HOUR  18.167)
114.250    421.0444    154.50  . Q       .           .          .      V   .
(PEAK DAY 1, HOUR  18.250)
114.333    421.9666    133.89  . Q       .           .          .      V   .
(PEAK DAY 1, HOUR  18.333)
114.417    422.7832    118.57  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.417)
114.500    423.5391    109.76  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.500)
114.583    424.2572    104.27  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.583)
114.667    424.9502    100.61  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.667)
114.750    425.6237     97.79  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.750)
114.833    426.2794     95.21  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.833)
114.917    426.9191     92.90  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.917)
115.000    427.5446     90.82  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.000)
115.083    428.1571     88.93  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.083)
115.167    428.7575     87.18  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.167)
115.250    429.3465     85.52  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.250)
115.333    429.9244     83.92  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.333)
115.417    430.4919     82.39  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.417)
115.500    431.0491     80.91  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.500)
115.583    431.5964     79.46  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.583)
115.667    432.1327     77.87  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.667)
115.750    432.6594     76.47  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.750)
115.833    433.1776     75.24  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.833)
115.917    433.6878     74.08  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.917)
116.000    434.1903     72.96  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.000)
116.083    434.6854     71.89  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.083)
116.167    435.1735     70.87  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.167)
116.250    435.6548     69.88  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.250)
116.333    436.1295     68.93  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.333)
116.417    436.5980     68.02  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.417)
116.500    437.0605     67.15  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.500)
116.583    437.5171     66.30  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.583)
116.667    437.9680     65.48  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.667)
116.750    438.4135     64.69  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  20.750)
116.833    438.8538     63.92  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  20.833)
116.917    439.2888     63.18  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  20.917)
117.000    439.7190     62.45  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.000)
117.083    440.1443     61.75  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.083)
117.167    440.5648     61.07  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.167)
117.250    440.9809     60.41  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.250)
117.333    441.3925     59.77  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.333)
117.417    441.7998     59.14  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.417)
117.500    442.2029     58.53  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.500)
117.583    442.6020     57.94  Q         .           .          .        V.
(PEAK DAY 1, HOUR  21.583)
117.667    442.9971     57.37  Q         .           .          .        V.
(PEAK DAY 1, HOUR  21.667)
117.750    443.3883     56.81  Q         .           .          .        V.
(PEAK DAY 1, HOUR  21.750)
117.833    443.7758     56.26  Q         .           .          .        V.
(PEAK DAY 1, HOUR  21.833)
117.917    444.1596     55.73  Q         .           .          .        V.
(PEAK DAY 1, HOUR  21.917)
118.000    444.5399     55.21  Q         .           .          .        V.
(PEAK DAY 1, HOUR  22.000)
118.083    444.9166     54.71  Q         .           .          .        V.
(PEAK DAY 1, HOUR  22.083)
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 118.167    445.2900     54.21  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.167)
 118.250    445.6600     53.73  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.250)
 118.333    446.0268     53.26  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.333)
 118.417    446.3904     52.79  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.417)
 118.500    446.7509     52.34  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.500)
 118.583    447.1083     51.90  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.583)
 118.667    447.4628     51.47  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.667)
 118.750    447.8144     51.05  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.750)
 118.833    448.1631     50.64  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.833)
 118.917    448.5091     50.23  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.917)
 119.000    448.8523     49.83  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.000)
 119.083    449.1928     49.45  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.083)
 119.167    449.5307     49.06  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.167)
 119.250    449.8661     48.69  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.250)
 119.333    450.1989     48.33  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.333)
 119.417    450.5292     47.97  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.417)
 119.500    450.8572     47.62  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.500)
 119.583    451.1827     47.27  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.583)
 119.667    451.5060     46.93  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.667)
 119.750    451.8269     46.60  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.750)
 119.833    452.1455     46.27  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.833)
 119.917    452.4620     45.95  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.917)
 120.000    452.7763     45.64  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.000)
 120.083    453.0815     44.31  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.083)
 120.167    453.3494     38.91  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.167)
 120.250    453.5494     29.03  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.250)
 120.333    453.6667     17.04  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.333)
 120.417    453.7269      8.73  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.417)
 120.500    453.7581      4.53  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.500)
 120.583    453.7749      2.44  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.583)
 120.667    453.7856      1.55  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.667)
 120.750    453.7936      1.16  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.750)
 120.833    453.7993      0.83  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.833)
 120.917    453.8034      0.60  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.917)
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 121.000    453.8066      0.47  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.000)
 121.083    453.8093      0.39  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.083)
 121.167    453.8117      0.35  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.167)
 121.250    453.8139      0.32  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.250)
 121.333    453.8159      0.28  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.333)
 121.417    453.8176      0.25  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.417)
 121.500    453.8192      0.23  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.500)
 121.583    453.8205      0.20  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.583)
 121.667    453.8217      0.17  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.667)
 121.750    453.8228      0.15  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.750)
 121.833    453.8237      0.13  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.833)
 121.917    453.8244      0.11  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.917)
 122.000    453.8251      0.09  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.000)
 122.083    453.8256      0.08  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.083)
 122.167    453.8261      0.07  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.167)
 122.250    453.8265      0.06  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.250)
 122.333    453.8268      0.05  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.333)
 122.417    453.8271      0.04  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.417)
 122.500    453.8274      0.04  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.500)
 122.583    453.8277      0.04  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.583)
 122.667    453.8279      0.03  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.667)
 122.750    453.8281      0.03  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.750)
 122.833    453.8283      0.03  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.833)
 122.917    453.8285      0.02  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.917)
 123.000    453.8286      0.02  Q          .          .          .          V.
(PEAK DAY 1, HOUR  27.000)
 123.083    453.8288      0.02  Q          .          .          .           V
(PEAK DAY 1, HOUR  27.083)
 123.167    453.8289      0.02  Q          .          .          .           V
(PEAK DAY 1, HOUR  27.167)
 123.250    453.8290      0.01  Q          .          .          .           V
(PEAK DAY 1, HOUR  27.250)
 123.333    453.8290      0.01  Q          .          .          .           V
(PEAK DAY 1, HOUR  27.333)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
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        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6961.5 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6961.5 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
       (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1150.0    2300.0    3450.0    4600.0
--------------------------------------------------------------------------------
  96.000    735.6683    328.03  . Q      V.          .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    737.9222    327.26  . Q      V.          .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    740.1942    329.90  . Q      V.          .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    742.5139    336.82  . Q      V.          .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    744.9049    347.18  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    747.3643    357.10  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    749.8882    366.48  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    752.4734    375.36  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    755.1055    382.19  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    757.7681    386.60  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    760.4495    389.34  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    763.1423    391.00  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    765.8419    391.98  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    768.5457    392.59  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    771.2527    393.06  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    773.9625    393.46  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    776.6746    393.80  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    779.3885    394.06  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    782.1039    394.27  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    784.8205    394.45  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    787.5383    394.63  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    790.2574    394.81  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    792.9778    395.00  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    795.6995    395.19  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    798.4223    395.35  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    801.1459    395.47  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    803.8701    395.54  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    806.5946    395.61  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    809.3196    395.67  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    812.0450    395.73  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    814.7709    395.80  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    817.4973    395.88  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    820.2244    395.97  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    822.9520    396.06  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    825.6804    396.15  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    828.4094    396.26  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    831.1393    396.37  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    833.8699    396.49  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    836.6015    396.62  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    839.3340    396.77  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    842.0677    396.92  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    844.8025    397.10  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    847.5386    397.29  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    850.2762    397.49  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    853.0153    397.72  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    855.7560    397.96  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    858.4985    398.21  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    861.2429    398.49  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    863.9893    398.77  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.000)
 100.083    866.7377    399.08  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.083)
 100.167    869.4884    399.40  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.167)
 100.250    872.2413    399.73  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.250)
 100.333    874.9967    400.08  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.333)
 100.417    877.7546    400.45  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.417)
 100.500    880.5153    400.84  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.500)
 100.583    883.2786    401.23  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.583)
 100.667    886.0447    401.65  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.667)
 100.750    888.8138    402.08  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.750)
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100.833	891.5861	402.52	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	4.833)								
100.917	894.3615	402.99	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	4.917)								
101.000	897.1401	403.47	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	5.000)								
101.083	899.9223	403.97	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	5.083)								
101.167	902.7080	404.48	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	5.167)								
101.250	905.4974	405.02	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	5.250)								
101.333	908.2906	405.57	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	5.333)								
101.417	911.0877	406.14	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.417)								
101.500	913.8889	406.73	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.500)								
101.583	916.6942	407.34	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.583)								
101.667	919.5039	407.96	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.667)								
101.750	922.3180	408.61	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.750)								
101.833	925.1367	409.28	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.833)								
101.917	927.9601	409.96	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.917)								
102.000	930.7885	410.67	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.000)								
102.083	933.6217	411.39	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.083)								
102.167	936.4601	412.14	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.167)								
102.250	939.3038	412.90	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.250)								
102.333	942.1530	413.69	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.333)								
102.417	945.0076	414.50	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.417)								
102.500	947.8680	415.33	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.500)								
102.583	950.7343	416.18	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.583)								
102.667	953.6066	417.06	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.667)								
102.750	956.4850	417.95	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.750)								
102.833	959.3698	418.87	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.833)								
102.917	962.2610	419.81	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.917)								
103.000	965.1589	420.77	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.000)								
103.083	968.0636	421.76	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.083)								
103.167	970.9753	422.77	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.167)								
103.250	973.8940	423.80	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.250)								
103.333	976.8201	424.87	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.333)								
103.417	979.7537	425.95	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.417)								
103.500	982.6949	427.06	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.500)								
103.583	985.6439	428.20	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.583)								
103.667	988.6009	429.36	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.667)								
103.750	991.5661	430.55	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.750)								
103.833	994.5397	431.77	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.833)								
103.917	997.5218	433.01	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.917)								
104.000	1000.5127	434.28	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.000)								
104.083	1003.5126	435.58	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.083)								
104.167	1006.5216	436.91	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.167)								
104.250	1009.5400	438.27	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.250)								
104.333	1012.5679	439.66	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.333)								
104.417	1015.6057	441.08	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.417)								
104.500	1018.6534	442.53	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.500)								
104.583	1021.7113	444.01	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.583)								
104.667	1024.7797	445.53	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.667)								
104.750	1027.8588	447.08	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.750)								
104.833	1030.9487	448.67	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.833)								
104.917	1034.0499	450.29	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.917)								
105.000	1037.1625	451.95	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.000)								
105.083	1040.2866	453.63	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.083)								
105.167	1043.4227	455.37	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.167)								
105.250	1046.5710	457.13	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.250)								
105.333	1049.7318	458.94	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.333)								
105.417	1052.9053	460.79	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.417)								
105.500	1056.0918	462.68	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.500)								
105.583	1059.2915	464.60	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.583)								
105.667	1062.5049	466.58	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.667)								
105.750	1065.7322	468.60	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.750)								
105.833	1068.9736	470.66	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.833)								
105.917	1072.2294	472.73	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.917)								
106.000	1075.4994	474.80	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	10.000)								
106.083	1078.7836	476.86	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	10.083)								
106.167	1082.0820	478.93	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	10.167)								
106.250	1085.3949	481.03	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	10.250)								
106.333	1088.7225	483.18	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	10.333)								
106.417	1092.0652	485.36	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	10.417)								

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 106.500   1095.4233    487.61  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.500)
 106.583   1098.7972    489.89  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.583)
 106.667   1102.1874    492.25  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.667)
 106.750   1105.5940    494.65  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.750)
 106.833   1109.0177    497.12  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.833)
 106.917   1112.4587    499.64  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.917)
 107.000   1115.9177    502.24  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.000)
 107.083   1119.3949    504.89  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.083)
 107.167   1122.8909    507.62  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.167)
 107.250   1126.4061    510.41  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.250)
 107.333   1129.9412    513.28  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.333)
 107.417   1133.4965    516.22  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.417)
 107.500   1137.0726    519.25  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.500)
 107.583   1140.6700    522.35  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.583)
 107.667   1144.2896    525.55  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.667)
 107.750   1147.9316    528.83  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.750)
 107.833   1151.5970    532.21  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.833)
 107.917   1155.2863    535.68  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.917)
 108.000   1159.0001    539.26  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  12.000)
 108.083   1162.7483    544.24  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  12.083)
 108.167   1166.5695    554.84  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  12.167)
 108.250   1170.5099    572.15  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  12.250)
 108.333   1174.6024    594.23  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.333)
 108.417   1178.8322    614.16  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.417)
 108.500   1183.1818    631.57  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.500)
 108.583   1187.6412    647.51  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.583)
 108.667   1192.1952    661.24  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.667)
 108.750   1196.8286    672.77  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.750)
 108.833   1201.5333    683.12  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.833)
 108.917   1206.3038    692.67  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.917)
 109.000   1211.1378    701.90  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.000)
 109.083   1216.0345    711.00  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.083)
 109.167   1220.9954    720.30  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.167)
 109.250   1226.0214    729.78  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.250)
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 109.333   1231.1145    739.52  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.333)
 109.417   1236.2758    749.41  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.417)
 109.500   1241.5072    759.61  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.500)
 109.583   1246.8107    770.06  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.583)
 109.667   1252.1893    780.98  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.667)
 109.750   1257.6456    792.26  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.750)
 109.833   1263.1836    804.12  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.833)
 109.917   1268.8064    816.43  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  13.917)
 110.000   1274.5187    829.43  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.000)
 110.083   1280.3280    843.51  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.083)
 110.167   1286.2550    860.61  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.167)
 110.250   1292.3221    880.95  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  14.250)
 110.333   1298.5469    903.83  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  14.333)
 110.417   1304.9248    926.08  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.417)
 110.500   1311.4521    947.78  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.500)
 110.583   1318.1289    969.47  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.583)
 110.667   1324.9597    991.84  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.667)
 110.750   1331.9517   1015.23  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.750)
 110.833   1339.1196   1040.79  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  14.833)
 110.917   1346.4780   1068.45  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  14.917)
 111.000   1354.0468   1098.98  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.000)
 111.083   1361.8451   1132.31  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.083)
 111.167   1369.9000   1169.58  .         Q      V  .         .         .
(PEAK DAY 1, HOUR  15.167)
 111.250   1378.2396   1210.92  .         Q      V  .         .         .
(PEAK DAY 1, HOUR  15.250)
 111.333   1386.9027   1257.88  .         Q      V  .         .         .
(PEAK DAY 1, HOUR  15.333)
 111.417   1395.9080   1307.57  .         .Q     V  .         .         .
(PEAK DAY 1, HOUR  15.417)
 111.500   1405.2205   1352.18  .         .Q     V  .         .         .
(PEAK DAY 1, HOUR  15.500)
 111.583   1414.7886   1389.30  .         . Q    V  .         .         .
(PEAK DAY 1, HOUR  15.583)
 111.667   1424.6145   1426.72  .         . Q    V  .         .         .
(PEAK DAY 1, HOUR  15.667)
 111.750   1434.8292   1483.18  .         . Q    V  .         .         .
(PEAK DAY 1, HOUR  15.750)
 111.833   1445.6390   1569.59  .         .  Q    V.         .         .
(PEAK DAY 1, HOUR  15.833)
 111.917   1457.3267   1697.05  .         .   Q   V.         .         .
(PEAK DAY 1, HOUR  15.917)
 112.000   1470.4601   1906.97  .         .    Q  V.         .         .
(PEAK DAY 1, HOUR  16.000)
 112.083   1486.4692   2324.53  .         .       VQ         .         .
(PEAK DAY 1, HOUR  16.083)
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 112.167   1508.0259   3130.02  .          .        V.      Q  .          .
(PEAK DAY 1, HOUR  16.167)
 112.250   1535.3987   3974.52  .          .         V         .   Q      .
(PEAK DAY 1, HOUR  16.250)
 112.333   1566.5618   4524.87  .          .         V         .        Q.
(PEAK DAY 1, HOUR  16.333)
 112.417   1596.9734   4415.77  .          .         .V        .       Q .
(PEAK DAY 1, HOUR  16.417)
 112.500   1625.8770   4196.80  .          .         .V        .     Q   .
(PEAK DAY 1, HOUR  16.500)
 112.583   1652.8608   3918.06  .          .         .V        .   Q     .
(PEAK DAY 1, HOUR  16.583)
 112.667   1676.2968   3402.89  .          .         . V      Q.         .
(PEAK DAY 1, HOUR  16.667)
 112.750   1695.8585   2840.37  .          .         . V Q     .         .
(PEAK DAY 1, HOUR  16.750)
 112.833   1712.3983   2401.58  .          .         Q V       .         .
(PEAK DAY 1, HOUR  16.833)
 112.917   1726.7034   2077.10  .          .       Q . V       .         .
(PEAK DAY 1, HOUR  16.917)
 113.000   1739.3438   1835.38  .          .    Q    . V       .         .
(PEAK DAY 1, HOUR  17.000)
 113.083   1750.7847   1661.22  .          .   Q     .  V      .         .
(PEAK DAY 1, HOUR  17.083)
 113.167   1761.3547   1534.77  .          .  Q      .  V      .         .
(PEAK DAY 1, HOUR  17.167)
 113.250   1771.2345   1434.55  .          . Q       .  V      .         .
(PEAK DAY 1, HOUR  17.250)
 113.333   1780.5006   1345.43  .          .Q        .  V      .         .
(PEAK DAY 1, HOUR  17.333)
 113.417   1789.2406   1269.05  .          .Q        .  V      .         .
(PEAK DAY 1, HOUR  17.417)
 113.500   1797.5564   1207.45  .          Q         .  V      .         .
(PEAK DAY 1, HOUR  17.500)
 113.583   1805.5370   1158.79  .          Q         .  V      .         .
(PEAK DAY 1, HOUR  17.583)
 113.667   1813.2532   1120.38  .         Q.         .  V      .         .
(PEAK DAY 1, HOUR  17.667)
 113.750   1820.7559   1089.38  .         Q.         .   V     .         .
(PEAK DAY 1, HOUR  17.750)
 113.833   1828.0757   1062.84  .         Q.         .   V     .         .
(PEAK DAY 1, HOUR  17.833)
 113.917   1835.2349   1039.52  .         Q.         .   V     .         .
(PEAK DAY 1, HOUR  17.917)
 114.000   1842.2479   1018.29  .        Q .         .   V     .         .
(PEAK DAY 1, HOUR  18.000)
 114.083   1849.1133    996.85  .        Q .         .   V     .         .
(PEAK DAY 1, HOUR  18.083)
 114.167   1855.8058    971.75  .        Q .         .   V     .         .
(PEAK DAY 1, HOUR  18.167)
 114.250   1862.2948    942.21  .        Q .         .   V     .         .
(PEAK DAY 1, HOUR  18.250)
 114.333   1868.5598    909.67  .       Q  .         .   V     .         .
(PEAK DAY 1, HOUR  18.333)
 114.417   1874.6256    880.76  .       Q  .         .   V     .         .
(PEAK DAY 1, HOUR  18.417)
 114.500   1880.5284    857.10  .       Q  .         .   V     .         .
(PEAK DAY 1, HOUR  18.500)
 114.583   1886.2891    836.45  .       Q  .         .   V     .         .
(PEAK DAY 1, HOUR  18.583)
 114.667   1891.9244    818.26  .       Q  .         .   V     .         .
(PEAK DAY 1, HOUR  18.667)
 114.750   1897.4524    802.65  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  18.750)
 114.833   1902.8914    789.74  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  18.833)
 114.917   1908.2571    779.11  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  18.917)
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 115.000   1913.5571    769.57  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.000)
 115.083   1918.7957    760.63  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.083)
 115.167   1923.9805    752.84  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.167)
 115.250   1929.1196    746.21  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.250)
 115.333   1934.2177    740.23  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.333)
 115.417   1939.2784    734.83  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.417)
 115.500   1944.3055    729.94  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.500)
 115.583   1949.3010    725.35  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.583)
 115.667   1954.2651    720.79  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.667)
 115.750   1959.1998    716.51  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.750)
 115.833   1964.1066    712.45  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.833)
 115.917   1968.9847    708.31  .     Q    .         .    V    .         .
(PEAK DAY 1, HOUR  19.917)
 116.000   1973.8334    704.02  .     Q    .         .     V   .         .
(PEAK DAY 1, HOUR  20.000)
 116.083   1978.6533    699.86  .     Q    .         .     V   .         .
(PEAK DAY 1, HOUR  20.083)
 116.167   1983.4474    696.09  .     Q    .         .     V   .         .
(PEAK DAY 1, HOUR  20.167)
 116.250   1988.2177    692.64  .     Q    .         .     V   .         .
(PEAK DAY 1, HOUR  20.250)
 116.333   1992.9653    689.37  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  20.333)
 116.417   1997.6909    686.16  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  20.417)
 116.500   2002.3926    682.68  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  20.500)
 116.583   2007.0701    679.17  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  20.583)
 116.667   2011.7261    676.05  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  20.667)
 116.750   2016.3629    673.27  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  20.750)
 116.833   2020.9821    670.69  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  20.833)
 116.917   2025.5842    668.24  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  20.917)
 117.000   2030.1700    665.86  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  21.000)
 117.083   2034.7396    663.50  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  21.083)
 117.167   2039.2937    661.26  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  21.167)
 117.250   2043.8333    659.14  .    Q     .         .     V   .         .
(PEAK DAY 1, HOUR  21.250)
 117.333   2048.3586    657.10  .    Q     .         .      V  .         .
(PEAK DAY 1, HOUR  21.333)
 117.417   2052.8704    655.11  .    Q     .         .      V  .         .
(PEAK DAY 1, HOUR  21.417)
 117.500   2057.3689    653.18  .    Q     .         .      V  .         .
(PEAK DAY 1, HOUR  21.500)
 117.583   2061.8545    651.30  .    Q     .         .      V  .         .
(PEAK DAY 1, HOUR  21.583)
 117.667   2066.3274    649.47  .    Q     .         .      V  .         .
(PEAK DAY 1, HOUR  21.667)
 117.750   2070.7881    647.68  .    Q     .         .      V  .         .
(PEAK DAY 1, HOUR  21.750)
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117.833   2075.2366    645.93  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.833)
117.917   2079.6733    644.22  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.917)
118.000   2084.0986    642.55  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.000)
118.083   2088.5127    640.93  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.083)
118.167   2092.9158    639.33  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.167)
118.250   2097.3081    637.77  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.250)
118.333   2101.6899    636.24  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.333)
118.417   2106.0615    634.74  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.417)
118.500   2110.4229    633.27  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.500)
118.583   2114.7742    631.83  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.583)
118.667   2119.1160    630.41  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.667)
118.750   2123.4480    629.03  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  22.750)
118.833   2127.7708    627.66  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  22.833)
118.917   2132.0842    626.33  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  22.917)
119.000   2136.3887    625.01  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.000)
119.083   2140.6843    623.71  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.083)
119.167   2144.9712    622.44  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.167)
119.250   2149.2493    621.19  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.250)
119.333   2153.5188    619.95  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.333)
119.417   2157.7800    618.74  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.417)
119.500   2162.0330    617.54  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.500)
119.583   2166.2778    616.36  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.583)
119.667   2170.5146    615.20  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.667)
119.750   2174.7437    614.05  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.750)
119.833   2178.9648    612.92  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.833)
119.917   2183.1785    611.80  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.917)
120.000   2187.3845    610.70  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  24.000)
120.083   2191.5759    608.60  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  24.083)
120.167   2195.7229    602.15  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  24.167)
120.250   2199.7878    590.22  .    Q    .         .           V.         .
(PEAK DAY 1, HOUR  24.250)
120.333   2203.7405    573.92  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.333)
120.417   2207.5852    558.26  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.417)
120.500   2211.3274    543.38  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.500)
120.583   2214.9727    529.28  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.583)
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120.667   2218.5410    518.12  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.667)
120.750   2222.0562    510.39  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.750)
120.833   2225.5347    505.07  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.833)
120.917   2228.9875    501.37  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.917)
121.000   2232.4226    498.76  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.000)
121.083   2235.8442    496.81  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.083)
121.167   2239.2546    495.19  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.167)
121.250   2242.6550    493.75  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.250)
121.333   2246.0469    492.49  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.333)
121.417   2249.4312    491.39  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.417)
121.500   2252.8088    490.43  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.500)
121.583   2256.1804    489.56  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.583)
121.667   2259.5466    488.76  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.667)
121.750   2262.9075    488.00  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.750)
121.833   2266.2632    487.26  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.833)
121.917   2269.6140    486.55  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.917)
122.000   2272.9602    485.85  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  26.000)
122.083   2276.3018    485.18  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.083)
122.167   2279.6387    484.52  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.167)
122.250   2282.9712    483.89  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.250)
122.333   2286.2996    483.26  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.333)
122.417   2289.6238    482.67  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.417)
122.500   2292.9438    482.09  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.500)
122.583   2296.2600    481.52  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.583)
122.667   2299.5725    480.96  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.667)
122.750   2302.8813    480.43  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.750)
122.833   2306.1865    479.92  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.833)
122.917   2309.4883    479.42  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.917)
123.000   2312.7866    478.93  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.000)
123.083   2316.0818    478.45  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.083)
123.167   2319.3738    477.99  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.167)
123.250   2322.6626    477.53  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.250)
123.333   2325.9482    477.08  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.333)
123.417   2329.2307    476.63  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.417)
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 123.500   2332.5103    476.18  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.500)
 123.583   2335.7866    475.73  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.583)
 123.667   2339.0598    475.28  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.667)
 123.750   2342.3301    474.84  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.750)
 123.833   2345.5972    474.39  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.833)
 123.917   2348.8613    473.95  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.917)
 124.000   2352.1223    473.51  .   Q     .         .         .V        .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  FLOW PROCESS FROM NODE   6371.00 TO NODE   6395.00 IS CODE = 5.2
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  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6961.5 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   35.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     220.00
           DOWNSTREAM ELEVATION(FT) =     213.00
           CHANNEL LENGTH(FT) =     959.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  4524.87
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  3512.94
           CHANNEL NORMAL VELOCITY FOR Q =  3512.94 CFS =  10.37 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.859

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.996


         CONVEX METHOD CHANNEL ROUTING RESULTS:
                                                 OUTFLOW LESS
                CLOCK        INFLOW     ROUTED      LOSS
PEAK    TIME    TIME       (STREAM 1)    FLOW     (STREAM 1)
 DAY   (HRS)   (HRS)         (CFS)       (CFS)      (CFS)
  2   24.000  96.000       328.03      328.45      328.45
  1    0.083  96.083       327.26      327.47      327.47
  1    0.167  96.167       329.90      329.19      329.19
  1    0.250  96.250       336.82      334.96      334.96
  1    0.333  96.333       347.18      344.40      344.40
  1    0.417  96.417       357.10      354.44      354.44
  1    0.500  96.500       366.48      363.96      363.96
  1    0.583  96.583       375.36      372.98      372.98
  1    0.667  96.667       382.19      380.35      380.35
  1    0.750  96.750       386.60      385.41      385.41
  1    0.833  96.833       389.34      388.60      388.60
  1    0.917  96.917       391.00      390.55      390.55
  1    1.000  97.000       391.98      391.72      391.72
  1    1.083  97.083       392.59      392.43      392.43
  1    1.167  97.167       393.06      392.93      392.93
  1    1.250  97.250       393.46      393.35      393.35
  1    1.333  97.333       393.80      393.71      393.71
  1    1.417  97.417       394.06      393.99      393.99
  1    1.500  97.500       394.27      394.21      394.21
  1    1.583  97.583       394.45      394.40      394.40
  1    1.667  97.667       394.63      394.58      394.58
  1    1.750  97.750       394.81      394.76      394.76
  1    1.833  97.833       395.00      394.95      394.95
  1    1.917  97.917       395.19      395.14      395.14
  1    2.000  98.000       395.35      395.31      395.31
  1    2.083  98.083       395.47      395.44      395.44
  1    2.167  98.167       395.54      395.52      395.52
  1    2.250  98.250       395.61      395.59      395.59
  1    2.333  98.333       395.67      395.65      395.65
  1    2.417  98.417       395.73      395.71      395.71
  1    2.500  98.500       395.80      395.78      395.78
  1    2.583  98.583       395.88      395.86      395.86
  1    2.667  98.667       395.97      395.94      395.94
  1    2.750  98.750       396.06      396.03      396.03
  1    2.833  98.833       396.15      396.13      396.13
  1    2.917  98.917       396.26      396.23      396.23
  1    3.000  99.000       396.37      396.34      396.34
  1    3.083  99.083       396.49      396.46      396.46
  1    3.167  99.167       396.62      396.59      396.59
  1    3.250  99.250       396.77      396.73      396.73
  1    3.333  99.333       396.92      396.88      396.88
  1    3.417  99.417       397.10      397.05      397.05
  1    3.500  99.500       397.29      397.24      397.24
  1    3.583  99.583       397.49      397.44      397.44
  1    3.667  99.667       397.72      397.66      397.66
  1    3.750  99.750       397.96      397.89      397.89
  1    3.833  99.833       398.21      398.14      398.14
  1    3.917  99.917       398.49      398.41      398.41
  1    4.000 100.000       398.77      398.70      398.70
  1    4.083 100.083       399.08      398.99      398.99
  1    4.167 100.167       399.40      399.31      399.31
  1    4.250 100.250       399.73      399.64      399.64
  1    4.333 100.333       400.08      399.99      399.99
  1    4.417 100.417       400.45      400.35      400.35
  1    4.500 100.500       400.84      400.73      400.73
  1    4.583 100.583       401.23      401.13      401.13
  1    4.667 100.667       401.65      401.54      401.54
  1    4.750 100.750       402.08      401.96      401.96
  1    4.833 100.833       402.52      402.40      402.40
  1    4.917 100.917       402.99      402.86      402.86
  1    5.000 101.000       403.47      403.34      403.34
  1    5.083 101.083       403.97      403.83      403.83
  1    5.167 101.167       404.48      404.35      404.35
  1    5.250 101.250       405.02      404.87      404.87
  1    5.333 101.333       405.57      405.42      405.42
  1    5.417 101.417       406.14      405.99      405.99
  1    5.500 101.500       406.73      406.57      406.57
  1    5.583 101.583       407.34      407.17      407.17
  1    5.667 101.667       407.96      407.80      407.80
  1    5.750 101.750       408.61      408.44      408.44
  1    5.833 101.833       409.28      409.10      409.10
  1    5.917 101.917       409.96      409.78      409.78
  1    6.000 102.000       410.67      410.48      410.48
  1    6.083 102.083       411.39      411.20      411.20
  1    6.167 102.167       412.14      411.94      411.94
  1    6.250 102.250       412.90      412.70      412.70
  1    6.333 102.333       413.69      413.48      413.48
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1	6.417	102.417	414.50	414.28	414.28
1	6.500	102.500	415.33	415.11	415.11
1	6.583	102.583	416.18	415.95	415.95
1	6.667	102.667	417.06	416.82	416.82
1	6.750	102.750	417.95	417.71	417.71
1	6.833	102.833	418.87	418.62	418.62
1	6.917	102.917	419.81	419.56	419.56
1	7.000	103.000	420.77	420.51	420.51
1	7.083	103.083	421.76	421.49	421.49
1	7.167	103.167	422.77	422.50	422.50
1	7.250	103.250	423.80	423.53	423.53
1	7.333	103.333	424.87	424.58	424.58
1	7.417	103.417	425.95	425.66	425.66
1	7.500	103.500	427.06	426.76	426.76
1	7.583	103.583	428.20	427.89	427.89
1	7.667	103.667	429.36	429.05	429.05
1	7.750	103.750	430.55	430.23	430.23
1	7.833	103.833	431.77	431.44	431.44
1	7.917	103.917	433.01	432.67	432.67
1	8.000	104.000	434.28	433.94	433.94
1	8.083	104.083	435.58	435.23	435.23
1	8.167	104.167	436.91	436.55	436.55
1	8.250	104.250	438.27	437.90	437.90
1	8.333	104.333	439.66	439.29	439.29
1	8.417	104.417	441.08	440.70	440.70
1	8.500	104.500	442.53	442.14	442.14
1	8.583	104.583	444.01	443.62	443.62
1	8.667	104.667	445.53	445.13	445.13
1	8.750	104.750	447.08	446.67	446.67
1	8.833	104.833	448.67	448.24	448.24
1	8.917	104.917	450.29	449.85	449.85
1	9.000	105.000	451.95	451.50	451.50
1	9.083	105.083	453.63	453.18	453.18
1	9.167	105.167	455.37	454.90	454.90
1	9.250	105.250	457.13	456.66	456.66
1	9.333	105.333	458.94	458.46	458.46
1	9.417	105.417	460.79	460.29	460.29
1	9.500	105.500	462.68	462.17	462.17
1	9.583	105.583	464.60	464.09	464.09
1	9.667	105.667	466.58	466.05	466.05
1	9.750	105.750	468.60	468.06	468.06
1	9.833	105.833	470.66	470.10	470.10
1	9.917	105.917	472.73	472.17	472.17
1	10.000	106.000	474.80	474.24	474.24
1	10.083	106.083	476.86	476.31	476.31
1	10.167	106.167	478.93	478.38	478.38
1	10.250	106.250	481.03	480.47	480.47
1	10.333	106.333	483.18	482.60	482.60
1	10.417	106.417	485.36	484.77	484.77
1	10.500	106.500	487.61	487.00	487.00
1	10.583	106.583	489.89	489.28	489.28
1	10.667	106.667	492.25	491.62	491.62
1	10.750	106.750	494.65	494.00	494.00
1	10.833	106.833	497.12	496.46	496.46
1	10.917	106.917	499.64	498.96	498.96
1	11.000	107.000	502.24	501.54	501.54
1	11.083	107.083	504.89	504.18	504.18
1	11.167	107.167	507.62	506.88	506.88
1	11.250	107.250	510.41	509.66	509.66
1	11.333	107.333	513.28	512.51	512.51
1	11.417	107.417	516.22	515.43	515.43
1	11.500	107.500	519.25	518.44	518.44
1	11.583	107.583	522.35	521.52	521.52
1	11.667	107.667	525.55	524.69	524.69
1	11.750	107.750	528.83	527.95	527.95
1	11.833	107.833	532.21	531.30	531.30
1	11.917	107.917	535.68	534.75	534.75
1	12.000	108.000	539.26	538.30	538.30

1	12.083	108.083	544.24	542.90	542.90
1	12.167	108.167	554.84	552.00	552.00
1	12.250	108.250	572.15	567.51	567.51
1	12.333	108.333	594.23	588.30	588.30
1	12.417	108.417	614.16	608.80	608.80
1	12.500	108.500	631.57	626.89	626.89
1	12.583	108.583	647.51	643.23	643.23
1	12.667	108.667	661.24	657.55	657.55
1	12.750	108.750	672.77	669.67	669.67
1	12.833	108.833	683.12	680.34	680.34
1	12.917	108.917	692.67	690.10	690.10
1	13.000	109.000	701.90	699.42	699.42
1	13.083	109.083	711.00	708.56	708.56
1	13.167	109.167	720.30	717.81	717.81
1	13.250	109.250	729.78	727.23	727.23
1	13.333	109.333	739.52	736.91	736.91
1	13.417	109.417	749.41	746.75	746.75
1	13.500	109.500	759.61	756.87	756.87
1	13.583	109.583	770.06	767.25	767.25
1	13.667	109.667	780.98	778.04	778.04
1	13.750	109.750	792.26	789.23	789.23
1	13.833	109.833	804.12	800.93	800.93
1	13.917	109.917	816.43	813.12	813.12
1	14.000	110.000	829.43	825.94	825.94
1	14.083	110.083	843.51	839.73	839.73
1	14.167	110.167	860.61	856.02	856.02
1	14.250	110.250	880.95	875.49	875.49
1	14.333	110.333	903.83	897.69	897.69
1	14.417	110.417	926.08	920.11	920.11
1	14.500	110.500	947.78	941.95	941.95
1	14.583	110.583	969.47	963.64	963.64
1	14.667	110.667	991.84	985.83	985.83
1	14.750	110.750	1015.23	1008.95	1008.95
1	14.833	110.833	1040.79	1033.92	1033.92
1	14.917	110.917	1068.45	1061.02	1061.02
1	15.000	111.000	1098.98	1090.78	1090.78
1	15.083	111.083	1132.31	1123.36	1123.36
1	15.167	111.167	1169.58	1159.57	1159.57
1	15.250	111.250	1210.92	1199.82	1199.82
1	15.333	111.333	1257.88	1245.27	1245.27
1	15.417	111.417	1307.57	1294.23	1294.23
1	15.500	111.500	1352.18	1340.19	1340.19
1	15.583	111.583	1389.30	1379.32	1379.32
1	15.667	111.667	1426.72	1416.67	1416.67
1	15.750	111.750	1483.18	1468.03	1468.03
1	15.833	111.833	1569.59	1546.41	1546.41
1	15.917	111.917	1697.05	1662.85	1662.85
1	16.000	112.000	1906.97	1850.67	1850.67
1	16.083	112.083	2324.53	2212.59	2212.59
1	16.167	112.167	3130.02	2914.07	2914.07
1	16.250	112.250	3974.52	3747.75	3747.75
1	16.333	112.333	4524.87	4376.76	4376.76
1	16.417	112.417	4415.77	4444.41	4444.41
1	16.500	112.500	4196.80	4255.50	4255.50
1	16.583	112.583	3918.06	3992.86	3992.86
1	16.667	112.667	3402.89	3541.01	3541.01
1	16.750	112.750	2840.37	2991.40	2991.40
1	16.833	112.833	2401.58	2519.56	2519.56
1	16.917	112.917	2077.10	2164.36	2164.36
1	17.000	113.000	1835.38	1900.38	1900.38
1	17.083	113.083	1661.22	1708.07	1708.07
1	17.167	113.167	1534.77	1568.78	1568.78
1	17.250	113.250	1434.55	1461.49	1461.49
1	17.333	113.333	1345.43	1369.38	1369.38
1	17.417	113.417	1269.05	1289.58	1289.58
1	17.500	113.500	1207.45	1224.01	1224.01
1	17.583	113.583	1158.79	1171.87	1171.87
1	17.667	113.667	1120.38	1130.71	1130.71

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  1   17.750 113.750      1089.38     1097.72     1097.72
  1   17.833 113.833      1062.84     1069.98     1069.98
  1   17.917 113.917      1039.52     1045.79     1045.79
  1   18.000 114.000      1018.29     1023.99     1023.99
  1   18.083 114.083       996.85     1002.61     1002.61
  1   18.167 114.167       971.75      978.49      978.49
  1   18.250 114.250       942.21      950.14      950.14
  1   18.333 114.333       909.67      918.41      918.41
  1   18.417 114.417       880.76      888.53      888.53
  1   18.500 114.500       857.10      863.46      863.46
  1   18.583 114.583       836.45      841.99      841.99
  1   18.667 114.667       818.26      823.15      823.15
  1   18.750 114.750       802.65      806.85      806.85
  1   18.833 114.833       789.74      793.21      793.21
  1   18.917 114.917       779.11      781.97      781.97
  1   19.000 115.000       769.57      772.13      772.13
  1   19.083 115.083       760.63      763.03      763.03
  1   19.167 115.167       752.84      754.93      754.93
  1   19.250 115.250       746.21      747.99      747.99
  1   19.333 115.333       740.23      741.84      741.84
  1   19.417 115.417       734.83      736.28      736.28
  1   19.500 115.500       729.94      731.25      731.25
  1   19.583 115.583       725.35      726.58      726.58
  1   19.667 115.667       720.79      722.02      722.02
  1   19.750 115.750       716.51      717.66      717.66
  1   19.833 115.833       712.45      713.54      713.54
  1   19.917 115.917       708.31      709.42      709.42
  1   20.000 116.000       704.02      705.17      705.17
  1   20.083 116.083       699.86      700.98      700.98
  1   20.167 116.167       696.09      697.11      697.11
  1   20.250 116.250       692.64      693.57      693.57
  1   20.333 116.333       689.37      690.25      690.25
  1   20.417 116.417       686.16      687.02      687.02
  1   20.500 116.500       682.68      683.62      683.62
  1   20.583 116.583       679.17      680.11      680.11
  1   20.667 116.667       676.05      676.89      676.89
  1   20.750 116.750       673.27      674.01      674.01
  1   20.833 116.833       670.69      671.38      671.38
  1   20.917 116.917       668.24      668.90      668.90
  1   21.000 117.000       665.86      666.50      666.50
  1   21.083 117.083       663.50      664.14      664.14
  1   21.167 117.167       661.26      661.86      661.86
  1   21.250 117.250       659.14      659.71      659.71
  1   21.333 117.333       657.10      657.65      657.65
  1   21.417 117.417       655.11      655.65      655.65
  1   21.500 117.500       653.18      653.70      653.70
  1   21.583 117.583       651.30      651.81      651.81
  1   21.667 117.667       649.47      649.96      649.96
  1   21.750 117.750       647.68      648.16      648.16
  1   21.833 117.833       645.93      646.40      646.40
  1   21.917 117.917       644.22      644.68      644.68
  1   22.000 118.000       642.55      643.00      643.00
  1   22.083 118.083       640.93      641.36      641.36
  1   22.167 118.167       639.33      639.76      639.76
  1   22.250 118.250       637.77      638.19      638.19
  1   22.333 118.333       636.24      636.65      636.65
  1   22.417 118.417       634.74      635.14      635.14
  1   22.500 118.500       633.27      633.66      633.66
  1   22.583 118.583       631.83      632.21      632.21
  1   22.667 118.667       630.41      630.79      630.79
  1   22.750 118.750       629.03      629.40      629.40
  1   22.833 118.833       627.66      628.03      628.03
  1   22.917 118.917       626.33      626.68      626.68
  1   23.000 119.000       625.01      625.36      625.36
  1   23.083 119.083       623.71      624.06      624.06
  1   23.167 119.167       622.44      622.78      622.78
  1   23.250 119.250       621.19      621.52      621.52
  1   23.333 119.333       619.95      620.28      620.28
  1   23.417 119.417       618.74      619.06      619.06
  1   23.500 119.500       617.54      617.86      617.86
  1   23.583 119.583       616.36      616.68      616.68
  1   23.667 119.667       615.20      615.51      615.51
  1   23.750 119.750       614.05      614.36      614.36
  1   23.833 119.833       612.92      613.22      613.22
  1   23.917 119.917       611.80      612.10      612.10
  1   24.000 120.000       610.70      611.00      611.00
  1   24.083 120.083       608.60      609.16      609.16
  1   24.167 120.167       602.15      603.88      603.88
  1   24.250 120.250       590.22      593.42      593.42
  1   24.333 120.333       573.92      578.29      578.29
  1   24.417 120.417       558.26      562.47      562.47
  1   24.500 120.500       543.38      547.38      547.38
  1   24.583 120.583       529.28      533.07      533.07
  1   24.667 120.667       518.12      521.12      521.12
  1   24.750 120.750       510.39      512.47      512.47
  1   24.833 120.833       505.07      506.50      506.50
  1   24.917 120.917       501.37      502.36      502.36
  1   25.000 121.000       498.76      499.47      499.47
  1   25.083 121.083       496.81      497.34      497.34
  1   25.167 121.167       495.19      495.62      495.62
  1   25.250 121.250       493.75      494.14      494.14
  1   25.333 121.333       492.49      492.83      492.83
  1   25.417 121.417       491.39      491.69      491.69
  1   25.500 121.500       490.43      490.69      490.69
  1   25.583 121.583       489.56      489.80      489.80
  1   25.667 121.667       488.76      488.98      488.98
  1   25.750 121.750       488.00      488.20      488.20
  1   25.833 121.833       487.26      487.46      487.46
  1   25.917 121.917       486.55      486.74      486.74
  1   26.000 122.000       485.85      486.04      486.04
  1   26.083 122.083       485.18      485.36      485.36
  1   26.167 122.167       484.52      484.70      484.70
  1   26.250 122.250       483.89      484.06      484.06
  1   26.333 122.333       483.26      483.43      483.43
  1   26.417 122.417       482.67      482.83      482.83
  1   26.500 122.500       482.09      482.24      482.24
  1   26.583 122.583       481.52      481.67      481.67
  1   26.667 122.667       480.96      481.11      481.11
  1   26.750 122.750       480.43      480.58      480.58
  1   26.833 122.833       479.92      480.06      480.06
  1   26.917 122.917       479.42      479.55      479.55
  1   27.000 123.000       478.93      479.06      479.06
  1   27.083 123.083       478.45      478.58      478.58
  1   27.167 123.167       477.99      478.11      478.11
  1   27.250 123.250       477.53      477.66      477.66
  1   27.333 123.333       477.08      477.20      477.20
  1   27.417 123.417       476.63      476.75      476.75
  1   27.500 123.500       476.18      476.30      476.30
  1   27.583 123.583       475.73      475.85      475.85
  1   27.667 123.667       475.28      475.40      475.40
  1   27.750 123.750       474.84      474.96      474.96
  1   27.833 123.833       474.39      474.51      474.51
  1   27.917 123.917       473.95      474.07      474.07
  1   28.000 124.000       473.51      473.63      473.63
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
 ===============================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   3032.779 AF
    OUTFLOW VOLUME =   3032.779 AF
    LOSS    VOLUME =      0.000 AF
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 *******************************************************************************
  FLOW PROCESS FROM NODE   6380.00 TO NODE   6395.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   329.6 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     329.600 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.330 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
         +------------------+--------+--------+--------+--------+--------+
         | RAINFALL DEPTHS & |        |        |        |        |        |
         |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
         |==================+========+========+========+========+========|
         | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
         |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
         |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
         |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
         |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
         |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
         |==================+========+========+========+========+========|
         | LOSS RATE(IN/HR)  |   0.150|   0.150|   0.150|   0.150|   0.150|
         | LOW LOSS FRACTION |   0.500|   0.750|   0.950|   0.990|   0.990|
         +------------------+--------+--------+--------+--------+--------+
           5-MINUTE FACTOR = 0.985
          30-MINUTE FACTOR = 0.985
           1-HOUR FACTOR = 0.985
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  25.253


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


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                      UNIT HYDROGRAPH DETERMINATION

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     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER         MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                1.602               63.859
         2                7.797              246.932
         3               21.404              542.405
         4               39.370              716.138
         5               60.064              824.885
         6               75.891              630.876
         7               85.613              387.515
         8               91.167              221.417
         9               94.489              132.407
        10               96.293               71.884
        11               97.026               29.243
        12               97.665               25.478
        13               98.270               24.118
        14               98.850               23.087
        15               98.984                5.349
        16               99.089                4.176
        17               99.176                3.468
        18               99.236                2.391
        19               99.292                2.234
        20               99.345                2.124
        21               99.396                2.026
        22               99.445                1.965
        23               99.491                1.826
        24               99.536                1.815
        25               99.577                1.639
        26               99.617                1.559
        27               99.656                1.556
        28               99.690                1.365
        29               99.721                1.257
        30               99.753                1.257
        31               99.784                1.254
        32               99.812                1.082
        33               99.830                0.737
        34               99.848                0.724
        35               99.866                0.724
        36               99.885                0.724
        37               99.900                0.614
        38               99.906                0.230
        39               99.911                0.198
        40               99.916                0.197
        41               99.921                0.199
        42               99.926                0.197
        43               99.930                0.197
        44               99.935                0.198
        45               99.940                0.198
        46               99.945                0.197
        47               99.950                0.199
        48               99.955                0.197
        49               99.960                0.197
        50               99.965                0.196
        51               99.970                0.197
        52               99.975                0.197
        53               99.980                0.197
        54               99.985                0.196
        55               99.990                0.197
        56               99.995                0.197
        57              100.000                0.197
        58              100.000                0.013


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     162.7269
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     154.7721
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 200.0 400.0 600.0 800.0
96.000	41.7912	3.86	Q V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	41.8189	4.03	Q V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	41.8518	4.78	Q V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	41.8963	6.45	Q V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	41.9561	8.68	Q V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	42.0337	11.27	Q V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	42.1251	13.26	Q V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	42.2250	14.51	Q V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	42.3300	15.24	Q V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	42.4381	15.70	Q V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	42.5482	15.98	Q V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	42.6592	16.12	Q .V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	42.7712	16.26	Q .V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	42.8840	16.39	Q .V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	42.9978	16.51	Q .V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	43.1120	16.59	Q .V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	43.2267	16.66	Q .V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	43.3419	16.73	Q .V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	43.4576	16.79	Q .V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	43.5737	16.86	Q .V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	43.6902	16.92	Q .V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	43.8072	16.99	Q .V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	43.9247	17.06	Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	44.0426	17.12	Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	44.1610	17.19	Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	44.2799	17.26	Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	44.3992	17.33	Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	44.5190	17.40	Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	44.6393	17.46	Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	44.7600	17.53	Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	44.8812	17.60	Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	45.0029	17.67	Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	45.1251	17.74	Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	45.2478	17.81	Q .V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	45.3710	17.88	Q .V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	45.4946	17.95	Q .V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	45.6188	18.03	Q .V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	45.7434	18.10	Q .V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	45.8686	18.17	Q .V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	45.9942	18.24	Q .V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	46.1204	18.32	Q .V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	46.2470	18.39	Q .V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	46.3742	18.47	Q .V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	46.5019	18.54	Q . V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	46.6301	18.62	Q . V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	46.7589	18.70	Q . V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	46.8882	18.77	Q . V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	47.0181	18.85	Q . V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	47.1484	18.93	Q . V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	47.2794	19.01	Q . V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	47.4109	19.09	Q . V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	47.5430	19.18	Q . V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	47.6756	19.26	Q . V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	47.8089	19.35	Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	47.9427	19.43	Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	48.0771	19.52	Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	48.2121	19.60	Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	48.3477	19.69	Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	48.4840	19.78	Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	48.6208	19.87	Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	48.7583	19.96	Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	48.8964	20.05	.Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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101.167     49.0351     20.15  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250     49.1745     20.24  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333     49.3146     20.34  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417     49.4553     20.43  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500     49.5967     20.53  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583     49.7388     20.63  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667     49.8815     20.73  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750     50.0250     20.83  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833     50.1692     20.93  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917     50.3140     21.04  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000     50.4596     21.14  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083     50.6060     21.25  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167     50.7531     21.36  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250     50.9009     21.47  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333     51.0495     21.58  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417     51.1989     21.69  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500     51.3491     21.80  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583     51.5000     21.92  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667     51.6518     22.04  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750     51.8044     22.16  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833     51.9578     22.28  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917     52.1121     22.40  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000     52.2672     22.52  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083     52.4232     22.65  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167     52.5800     22.78  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250     52.7378     22.91  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333     52.8965     23.04  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417     53.0560     23.17  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500     53.2166     23.31  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583     53.3780     23.44  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667     53.5404     23.58  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750     53.7038     23.73  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833     53.8682     23.87  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917     54.0336     24.02  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.917)
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104.000     54.2001     24.16  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083     54.3675     24.32  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167     54.5361     24.47  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250     54.7057     24.63  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333     54.8764     24.78  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417     55.0482     24.95  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500     55.2211     25.11  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583     55.3952     25.28  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667     55.5705     25.45  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750     55.7469     25.62  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833     55.9246     25.80  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917     56.1035     25.98  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000     56.2836     26.16  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083     56.4651     26.35  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167     56.6478     26.53  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250     56.8319     26.73  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333     57.0173     26.92  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417     57.2041     27.13  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500     57.3923     27.33  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583     57.5820     27.54  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667     57.7731     27.75  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750     57.9657     27.97  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833     58.1598     28.19  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917     58.3555     28.41  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000     58.5528     28.64  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083     58.7517     28.88  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167     58.9523     29.12  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250     59.1545     29.37  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333     59.3585     29.62  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417     59.5643     29.88  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500     59.7718     30.14  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583     59.9813     30.41  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667     60.1926     30.68  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750     60.4058     30.97  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.750)
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106.833     60.6211     31.25  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917     60.8384     31.55  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000     61.0578     31.85  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083     61.2793     32.17  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167     61.5030     32.48  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250     61.7290     32.81  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333     61.9573     33.15  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417     62.1880     33.50  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500     62.4211     33.85  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583     62.6567     34.21  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667     62.8950     34.59  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750     63.1358     34.98  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833     63.3794     35.37  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917     63.6259     35.78  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000     63.8752     36.20  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083     64.1287     36.80  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167     64.3896     37.88  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250     64.6632     39.74  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333     64.9529     42.06  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417     65.2611     44.75  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500     65.5850     47.04  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583     65.9215     48.85  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667     66.2684     50.37  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750     66.6252     51.80  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833     66.9912     53.15  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917     67.3665     54.49  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000     67.7512     55.86  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083     68.1459     57.30  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167     68.5507     58.79  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250     68.9661     60.31  .  Q      .      V  .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333     69.3921     61.87  .  Q      .      V  .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417     69.8296     63.52  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500     70.2787     65.21  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583     70.7402     67.01  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.583)
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109.667     71.2144     68.86  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750     71.7022     70.83  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833     72.2041     72.87  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917     72.7209     75.04  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.917)
110.000     73.2533     77.30  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  14.000)
110.083     73.8026     79.76  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.083)
110.167     74.3704     82.45  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.167)
110.250     74.9596     85.54  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.250)
110.333     75.5717     88.89  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.333)
110.417     76.2090     92.53  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.417)
110.500     76.8715     96.20  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.500)
110.583     77.5600     99.96  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.583)
110.667     78.2749    103.81  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.667)
110.750     79.0182    107.93  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.750)
110.833     79.7914    112.27  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.833)
110.917     80.5973    117.01  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.917)
111.000     81.4383    122.11  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.000)
111.083     82.3183    127.78  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.083)
111.167     83.2408    133.95  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.167)
111.250     84.2112    140.89  .      Q  .         .V        .         .
(PEAK DAY 1, HOUR  15.250)
111.333     85.2343    148.56  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.333)
111.417     86.3140    156.77  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.417)
111.500     87.4461    164.38  .       Q .         . V       .         .
(PEAK DAY 1, HOUR  15.500)
111.583     88.6237    170.99  .       Q .         . V       .         .
(PEAK DAY 1, HOUR  15.583)
111.667     89.8487    177.87  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.667)
111.750     91.1366    187.00  .        Q.         .  V      .         .
(PEAK DAY 1, HOUR  15.750)
111.833     92.5291    202.19  .         Q         .  V      .         .
(PEAK DAY 1, HOUR  15.833)
111.917     94.0982    227.84  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  15.917)
112.000     95.9486    268.68  .         .  Q      .   V     .         .
(PEAK DAY 1, HOUR  16.000)
112.083     98.3970    355.50  .         .      Q  .    V    .         .
(PEAK DAY 1, HOUR  16.083)
112.167    101.8439    500.50  .         .         .    QV   .         .
(PEAK DAY 1, HOUR  16.167)
112.250    106.5117    677.76  .         .         .      V  .  Q      .
(PEAK DAY 1, HOUR  16.250)
112.333    111.8129    769.73  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  16.333)
112.417    117.2284    786.33  .         .         .        V        Q.
(PEAK DAY 1, HOUR  16.417)
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112.500    121.6811    646.54  .          .          .          .VQ        .
(PEAK DAY 1, HOUR  16.500)
112.583    124.9948    481.15  .          .          .   Q      . V        .
(PEAK DAY 1, HOUR  16.583)
112.667    127.4627    358.33  .          .      Q   .          . V        .
(PEAK DAY 1, HOUR  16.667)
112.750    129.3967    280.83  .          .   Q      .          .  V       .
(PEAK DAY 1, HOUR  16.750)
112.833    130.9455    224.88  .          .Q         .          .  V       .
(PEAK DAY 1, HOUR  16.833)
112.917    132.2140    184.19  .        Q.           .          .   V      .
(PEAK DAY 1, HOUR  16.917)
113.000    133.3513    165.13  .       Q .           .          .   V      .
(PEAK DAY 1, HOUR  17.000)
113.083    134.3849    150.08  .      Q  .           .          .   V      .
(PEAK DAY 1, HOUR  17.083)
113.167    135.3235    136.28  .     Q   .           .          .   V      .
(PEAK DAY 1, HOUR  17.167)
113.250    136.1315    117.32  .    Q    .           .          .    V     .
(PEAK DAY 1, HOUR  17.250)
113.333    136.8693    107.13  .    Q    .           .          .    V     .
(PEAK DAY 1, HOUR  17.333)
113.417    137.5491     98.70  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.417)
113.500    138.1786     91.40  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.500)
113.583    138.7664     85.36  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.583)
113.667    139.3183     80.13  .   Q     .           .          .     V    .
(PEAK DAY 1, HOUR  17.667)
113.750    139.8382     75.50  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.750)
113.833    140.3296     71.35  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.833)
113.917    140.7949     67.57  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.917)
114.000    141.2367     64.15  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  18.000)
114.083    141.6554     60.80  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  18.083)
114.167    142.0503     57.33  . Q       .           .          .     V    .
(PEAK DAY 1, HOUR  18.167)
114.250    142.4188     53.51  . Q       .           .          .     V    .
(PEAK DAY 1, HOUR  18.250)
114.333    142.7600     49.55  . Q       .           .          .     V    .
(PEAK DAY 1, HOUR  18.333)
114.417    143.0749     45.72  . Q       .           .          .     V    .
(PEAK DAY 1, HOUR  18.417)
114.500    143.3691     42.72  . Q       .           .          .      V   .
(PEAK DAY 1, HOUR  18.500)
114.583    143.6481     40.51  . Q       .           .          .      V   .
(PEAK DAY 1, HOUR  18.583)
114.667    143.9151     38.78  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.667)
114.750    144.1721     37.31  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.750)
114.833    144.4216     36.23  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.833)
114.917    144.6648     35.31  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.917)
115.000    144.9020     34.45  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.000)
115.083    145.1332     33.56  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.083)
115.167    145.3579     32.63  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.167)
115.250    145.5779     31.94  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.250)
115.333    145.7936     31.32  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.333)
115.417    146.0053     30.74  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.417)
115.500    146.2132     30.18  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.500)
115.583    146.4174     29.65  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.583)
115.667    146.6181     29.15  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.667)
115.750    146.8156     28.67  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.750)
115.833    147.0098     28.20  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.833)
115.917    147.2010     27.76  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.917)
116.000    147.3893     27.34  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.000)
116.083    147.5748     26.93  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.083)
116.167    147.7575     26.54  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.167)
116.250    147.9377     26.16  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.250)
116.333    148.1153     25.80  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.333)
116.417    148.2906     25.44  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.417)
116.500    148.4634     25.10  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.500)
116.583    148.6340     24.76  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.583)
116.667    148.8022     24.43  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.667)
116.750    148.9682     24.10  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.750)
116.833    149.1315     23.71  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.833)
116.917    149.2927     23.41  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.917)
117.000    149.4519     23.12  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.000)
117.083    149.6093     22.85  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.083)
117.167    149.7649     22.59  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.167)
117.250    149.9187     22.34  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.250)
117.333    150.0708     22.09  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.333)
117.417    150.2213     21.85  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.417)
117.500    150.3702     21.62  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.500)
117.583    150.5176     21.40  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.583)
117.667    150.6634     21.18  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.667)
117.750    150.8078     20.96  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.750)
117.833    150.9508     20.76  .Q        .           .          .        V.
(PEAK DAY 1, HOUR  21.833)
117.917    151.0923     20.56  .Q        .           .          .        V.
(PEAK DAY 1, HOUR  21.917)
118.000    151.2325     20.36  .Q        .           .          .        V.
(PEAK DAY 1, HOUR  22.000)
118.083    151.3714     20.17  .Q        .           .          .        V.
(PEAK DAY 1, HOUR  22.083)
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118.167	151.5090	19.98	Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.167)								
118.250	151.6454	19.80	Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.250)								
118.333	151.7805	19.62	Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.333)								
118.417	151.9144	19.45	Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.417)								
118.500	152.0472	19.28	Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.500)								
118.583	152.1788	19.11	Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.583)								
118.667	152.3093	18.95	Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.667)								
118.750	152.4387	18.79	Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.750)								
118.833	152.5670	18.63	Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.833)								
118.917	152.6943	18.48	Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.917)								
119.000	152.8205	18.33	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.000)								
119.083	152.9458	18.19	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.083)								
119.167	153.0701	18.05	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.167)								
119.250	153.1934	17.91	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.250)								
119.333	153.3158	17.77	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.333)								
119.417	153.4372	17.64	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.417)								
119.500	153.5578	17.50	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.500)								
119.583	153.6774	17.38	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.583)								
119.667	153.7962	17.25	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.667)								
119.750	153.9142	17.12	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.750)								
119.833	154.0313	17.00	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.833)								
119.917	154.1475	16.88	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.917)								
120.000	154.2630	16.77	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.000)								
120.083	154.3759	16.39	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.083)								
120.167	154.4811	15.28	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.167)								
120.250	154.5705	12.98	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.250)								
120.333	154.6393	9.99	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.333)								
120.417	154.6846	6.58	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.417)								
120.500	154.7121	3.98	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.500)								
120.583	154.7285	2.38	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.583)								
120.667	154.7386	1.47	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.667)								
120.750	154.7450	0.92	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.750)								
120.833	154.7493	0.63	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.833)								
120.917	154.7528	0.50	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.917)								

121.000	154.7555	0.40	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.000)								
121.083	154.7576	0.30	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.083)								
121.167	154.7589	0.20	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.167)								
121.250	154.7602	0.18	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.250)								
121.333	154.7613	0.16	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.333)								
121.417	154.7623	0.14	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.417)								
121.500	154.7632	0.13	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.500)								
121.583	154.7640	0.12	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.583)								
121.667	154.7648	0.11	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.667)								
121.750	154.7655	0.11	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.750)								
121.833	154.7662	0.10	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.833)								
121.917	154.7668	0.09	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.917)								
122.000	154.7674	0.08	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.000)								
122.083	154.7679	0.07	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.083)								
122.167	154.7683	0.07	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.167)								
122.250	154.7688	0.06	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.250)								
122.333	154.7691	0.05	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.333)								
122.417	154.7695	0.05	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.417)								
122.500	154.7697	0.04	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.500)								
122.583	154.7700	0.04	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.583)								
122.667	154.7702	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.667)								
122.750	154.7704	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.750)								
122.833	154.7706	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.833)								
122.917	154.7708	0.02	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.917)								
123.000	154.7709	0.02	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.000)								
123.083	154.7710	0.02	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.083)								
123.167	154.7711	0.02	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.167)								
123.250	154.7712	0.02	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.250)								
123.333	154.7713	0.01	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.333)								
123.417	154.7714	0.01	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.417)								
123.500	154.7715	0.01	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.500)								
123.583	154.7716	0.01	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.583)								
123.667	154.7717	0.01	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.667)								
123.750	154.7718	0.01	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.750)								

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 123.833    154.7718      0.01  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.833)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  7291.1 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  7291.1 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1325.0    2650.0    3975.0    5300.0
--------------------------------------------------------------------------------
  96.000    776.8526    332.31  . Q      V.          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    779.1357    331.50  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    781.4358    333.97  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    783.7872    341.42  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    786.2189    353.08  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    788.7375    365.71  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    791.3354    377.22  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    794.0041    387.49  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    796.7286    395.60  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    799.4911    401.12  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    802.2775    404.58  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    805.0783    406.68  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    807.8881    407.97  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    810.7036    408.81  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    813.5235    409.45  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    816.3467    409.94  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    819.1729    410.36  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    822.0015    410.71  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    824.8322    411.01  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    827.6646    411.26  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    830.4986    411.51  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    833.3344    411.75  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    836.1719    412.01  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    839.0112    412.26  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    841.8521    412.50  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    844.6944    412.70  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    847.5377    412.85  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    850.3820    412.98  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    853.2271    413.11  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    856.0731    413.24  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    858.9201    413.38  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    861.7681    413.53  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    864.6171    413.69  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    867.4673    413.84  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    870.3186    414.01  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    873.1711    414.18  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    876.0248    414.37  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    878.8799    414.56  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    881.7364    414.76  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    884.5943    414.97  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    887.4538    415.20  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    890.3149    415.44  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    893.1779    415.70  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    896.0428    415.98  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    898.9097    416.28  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.667)
  99.750    901.7787    416.59  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.750)
  99.833    904.6501    416.92  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.833)
  99.917    907.5238    417.27  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.917)
 100.000    910.4000    417.63  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   4.000)
 100.083    913.2789    418.01  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   4.083)
 100.167    916.1605    418.40  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   4.167)
 100.250    919.0449    418.82  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   4.250)
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100.333	921.9323	419.25	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	4.333)								
100.417	924.8228	419.70	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	4.417)								
100.500	927.7164	420.16	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	4.500)								
100.583	930.6134	420.64	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	4.583)								
100.667	933.5138	421.14	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	4.667)								
100.750	936.4177	421.65	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	4.750)								
100.833	939.3253	422.18	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	4.833)								
100.917	942.2367	422.73	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	4.917)								
101.000	945.1520	423.30	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	5.000)								
101.083	948.0713	423.89	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	5.083)								
101.167	950.9948	424.49	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	5.167)								
101.250	953.9225	425.11	.	Q	.V	.	.	.	
(PEAK DAY 1, HOUR	5.250)								
101.333	956.8547	425.76	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.333)								
101.417	959.7915	426.42	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.417)								
101.500	962.7330	427.10	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.500)								
101.583	965.6793	427.80	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.583)								
101.667	968.6306	428.52	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.667)								
101.750	971.5869	429.27	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.750)								
101.833	974.5486	430.03	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.833)								
101.917	977.5156	430.81	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	5.917)								
102.000	980.4882	431.62	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.000)								
102.083	983.4665	432.45	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.083)								
102.167	986.4506	433.30	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.167)								
102.250	989.4407	434.17	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.250)								
102.333	992.4370	435.06	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.333)								
102.417	995.4396	435.97	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.417)								
102.500	998.4486	436.91	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.500)								
102.583	1001.4643	437.87	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.583)								
102.667	1004.4868	438.86	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.667)								
102.750	1007.5161	439.87	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.750)								
102.833	1010.5526	440.90	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.833)								
102.917	1013.5964	441.96	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	6.917)								
103.000	1016.6476	443.04	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.000)								
103.083	1019.7064	444.14	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.083)								
103.167	1022.7731	445.28	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.167)								
103.250	1025.8477	446.43	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.250)								
103.333	1028.9304	447.62	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.333)								
103.417	1032.0215	448.83	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.417)								
103.500	1035.1211	450.07	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.500)								
103.583	1038.2295	451.34	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.583)								
103.667	1041.3468	452.63	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.667)								
103.750	1044.4733	453.95	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.750)								
103.833	1047.6090	455.31	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.833)								
103.917	1050.7543	456.69	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	7.917)								
104.000	1053.9093	458.10	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.000)								
104.083	1057.0742	459.55	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.083)								
104.167	1060.2493	461.02	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.167)								
104.250	1063.4347	462.53	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.250)								
104.333	1066.6307	464.07	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.333)								
104.417	1069.8376	465.64	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.417)								
104.500	1073.0557	467.25	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.500)								
104.583	1076.2849	468.89	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.583)								
104.667	1079.5258	470.57	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.667)								
104.750	1082.7784	472.29	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.750)								
104.833	1086.0432	474.04	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.833)								
104.917	1089.3203	475.83	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	8.917)								
105.000	1092.6100	477.66	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.000)								
105.083	1095.9125	479.53	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.083)								
105.167	1099.2281	481.44	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.167)								
105.250	1102.5573	483.39	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.250)								
105.333	1105.9001	485.38	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.333)								
105.417	1109.2570	487.42	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.417)								
105.500	1112.6282	489.50	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.500)								
105.583	1116.0140	491.63	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.583)								
105.667	1119.4149	493.80	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.667)								
105.750	1122.8311	496.02	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.750)								
105.833	1126.2628	498.29	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.833)								
105.917	1129.7103	500.59	.	Q	. V	.	.	.	
(PEAK DAY 1, HOUR	9.917)								

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 106.000   1133.1737    502.89  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.000)
 106.083   1136.6530    505.19  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.083)
 106.167   1140.1481    507.50  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.167)
 106.250   1143.6593    509.83  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.250)
 106.333   1147.1870    512.22  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.333)
 106.417   1150.7314    514.65  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.417)
 106.500   1154.2930    517.14  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.500)
 106.583   1157.8721    519.69  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.583)
 106.667   1161.4691    522.30  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.667)
 106.750   1165.0846    524.97  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.750)
 106.833   1168.7190    527.71  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.833)
 106.917   1172.3727    530.52  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  10.917)
 107.000   1176.0461    533.39  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.000)
 107.083   1179.7400    536.34  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.083)
 107.167   1183.4547    539.37  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.167)
 107.250   1187.1908    542.47  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.250)
 107.333   1190.9487    545.66  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.333)
 107.417   1194.7292    548.93  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.417)
 107.500   1198.5328    552.29  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.500)
 107.583   1202.3602    555.73  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.583)
 107.667   1206.2120    559.28  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.667)
 107.750   1210.0889    562.92  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.750)
 107.833   1213.9916    566.67  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.833)
 107.917   1217.9208    570.53  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.917)
 108.000   1221.8773    574.50  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.000)
 108.083   1225.8698    579.71  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.083)
 108.167   1229.9323    589.88  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.167)
 108.250   1234.1144    607.24  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.250)
 108.333   1238.4558    630.37  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.333)
 108.417   1242.9568    653.55  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.417)
 108.500   1247.5981    673.93  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.500)
 108.583   1252.3645    692.08  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.583)
 108.667   1257.2400    707.92  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.667)
 108.750   1262.2089    721.47  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.750)
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 108.833   1267.2605    733.49  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.833)
 108.917   1272.3885    744.59  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.917)
 109.000   1277.5902    755.28  .    Q    .     V   .        .        .
(PEAK DAY 1, HOUR  13.000)
 109.083   1282.8647    765.86  .    Q    .     V   .        .        .
(PEAK DAY 1, HOUR  13.083)
 109.167   1288.2131    776.59  .    Q    .     V   .        .        .
(PEAK DAY 1, HOUR  13.167)
 109.250   1293.6370    787.54  .    Q    .     V   .        .        .
(PEAK DAY 1, HOUR  13.250)
 109.333   1299.1382    798.77  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.333)
 109.417   1304.7185    810.27  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.417)
 109.500   1310.3802    822.08  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.500)
 109.583   1316.1259    834.26  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.583)
 109.667   1321.9585    846.91  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.667)
 109.750   1327.8818    860.06  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.750)
 109.833   1333.8998    873.80  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.833)
 109.917   1340.0166    888.16  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.917)
 110.000   1346.2372    903.23  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  14.000)
 110.083   1352.5697    919.48  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  14.083)
 110.167   1359.0330    938.47  .      Q  .      V  .        .        .
(PEAK DAY 1, HOUR  14.167)
 110.250   1365.6516    961.03  .      Q  .      V  .        .        .
(PEAK DAY 1, HOUR  14.250)
 110.333   1372.4462    986.58  .      Q  .      V  .        .        .
(PEAK DAY 1, HOUR  14.333)
 110.417   1379.4203   1012.64  .      Q  .      V  .        .        .
(PEAK DAY 1, HOUR  14.417)
 110.500   1386.5701   1038.15  .      Q  .      V  .        .        .
(PEAK DAY 1, HOUR  14.500)
 110.583   1393.8951   1063.60  .       Q .      V  .        .        .
(PEAK DAY 1, HOUR  14.583)
 110.667   1401.3995   1089.64  .       Q .      V  .        .        .
(PEAK DAY 1, HOUR  14.667)
 110.750   1409.0916   1116.88  .       Q .      V  .        .        .
(PEAK DAY 1, HOUR  14.750)
 110.833   1416.9855   1146.19  .       Q .      V  .        .        .
(PEAK DAY 1, HOUR  14.833)
 110.917   1425.0986   1178.03  .       Q .      V  .        .        .
(PEAK DAY 1, HOUR  14.917)
 111.000   1433.4519   1212.89  .        Q.      V  .        .        .
(PEAK DAY 1, HOUR  15.000)
 111.083   1442.0686   1251.15  .        Q.       V .        .        .
(PEAK DAY 1, HOUR  15.083)
 111.167   1450.9772   1293.52  .        Q.       V .        .        .
(PEAK DAY 1, HOUR  15.167)
 111.250   1460.2107   1340.71  .         Q       V .        .        .
(PEAK DAY 1, HOUR  15.250)
 111.333   1469.8101   1393.83  .         Q       V .        .        .
(PEAK DAY 1, HOUR  15.333)
 111.417   1479.8032   1451.00  .         Q       V .        .        .
(PEAK DAY 1, HOUR  15.417)
 111.500   1490.1653   1504.57  .         .Q      V .        .        .
(PEAK DAY 1, HOUR  15.500)
 111.583   1500.8424   1550.31  .         .Q      V .        .        .
(PEAK DAY 1, HOUR  15.583)
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 111.667   1511.8241   1594.54  .         . Q     V .         .         .
(PEAK DAY 1, HOUR  15.667)
 111.750   1523.2224   1655.03  .         . Q      V.         .         .
(PEAK DAY 1, HOUR  15.750)
 111.833   1535.2651   1748.60  .         .  Q     V.         .         .
(PEAK DAY 1, HOUR  15.833)
 111.917   1548.2864   1890.69  .         .   Q    V.         .         .
(PEAK DAY 1, HOUR  15.917)
 112.000   1562.8824   2119.35  .         .    Q   V.         .         .
(PEAK DAY 1, HOUR  16.000)
 112.083   1580.5690   2568.09  .         .        Q.         .         .
(PEAK DAY 1, HOUR  16.083)
 112.167   1604.0853   3414.57  .         .         V    Q    .         .
(PEAK DAY 1, HOUR  16.167)
 112.250   1634.5641   4425.51  .         .         V         .  Q      .
(PEAK DAY 1, HOUR  16.250)
 112.333   1670.0083   5146.50  .         .         V         .       Q .
(PEAK DAY 1, HOUR  16.333)
 112.417   1706.0327   5230.75  .         .         .V        .        Q.
(PEAK DAY 1, HOUR  16.417)
 112.500   1739.7933   4902.04  .         .         .V        .     Q   .
(PEAK DAY 1, HOUR  16.500)
 112.583   1770.6061   4474.01  .         .         . V       .  Q      .
(PEAK DAY 1, HOUR  16.583)
 112.667   1797.4611   3899.34  .         .         . V      Q.         .
(PEAK DAY 1, HOUR  16.667)
 112.750   1819.9971   3272.23  .         .         . V Q     .         .
(PEAK DAY 1, HOUR  16.750)
 112.833   1838.8982   2744.44  .         .         Q  V      .         .
(PEAK DAY 1, HOUR  16.833)
 112.917   1855.0728   2348.55  .         .      Q  .  V      .         .
(PEAK DAY 1, HOUR  16.917)
 113.000   1869.2981   2065.52  .         .    Q     .  V      .         .
(PEAK DAY 1, HOUR  17.000)
 113.083   1882.0952   1858.14  .         .   Q      .  V      .         .
(PEAK DAY 1, HOUR  17.083)
 113.167   1893.8380   1705.06  .         . Q        .  V      .         .
(PEAK DAY 1, HOUR  17.167)
 113.250   1904.7113   1578.81  .         .Q         .  V      .         .
(PEAK DAY 1, HOUR  17.250)
 113.333   1914.8801   1476.51  .         .Q         .   V     .         .
(PEAK DAY 1, HOUR  17.333)
 113.417   1924.4413   1388.28  .         Q          .   V     .         .
(PEAK DAY 1, HOUR  17.417)
 113.500   1933.5006   1315.41  .        Q.          .   V     .         .
(PEAK DAY 1, HOUR  17.500)
 113.583   1942.1592   1257.23  .        Q.          .   V     .         .
(PEAK DAY 1, HOUR  17.583)
 113.667   1950.4983   1210.84  .        Q.          .   V     .         .
(PEAK DAY 1, HOUR  17.667)
 113.750   1958.5782   1173.21  .       Q .          .   V     .         .
(PEAK DAY 1, HOUR  17.750)
 113.833   1966.4386   1141.32  .       Q .          .   V     .         .
(PEAK DAY 1, HOUR  17.833)
 113.917   1974.1063   1113.35  .       Q .          .   V     .         .
(PEAK DAY 1, HOUR  17.917)
 114.000   1981.6003   1088.14  .       Q .          .   V     .         .
(PEAK DAY 1, HOUR  18.000)
 114.083   1988.9241   1063.41  .       Q .          .   V     .         .
(PEAK DAY 1, HOUR  18.083)
 114.167   1996.0579   1035.82  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.167)
 114.250   2002.9701   1003.65  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.250)
 114.333   2009.6365    967.96  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.333)
 114.417   2016.0707    934.25  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.417)
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 114.500   2022.3115    906.17  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.500)
 114.583   2028.3894    882.51  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.583)
 114.667   2034.3256    861.93  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.667)
 114.750   2040.1393    844.16  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.750)
 114.833   2045.8517    829.44  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.833)
 114.917   2051.4805    817.28  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.917)
 115.000   2057.0354    806.58  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  19.000)
 115.083   2062.5215    796.59  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  19.083)
 115.167   2067.9456    787.56  .    Q    .          .    V    .         .
(PEAK DAY 1, HOUR  19.167)
 115.250   2073.3169    779.94  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.250)
 115.333   2078.6416    773.16  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.333)
 115.417   2083.9241    767.02  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.417)
 115.500   2089.1682    761.43  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.500)
 115.583   2094.3765    756.24  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.583)
 115.667   2099.5498    751.16  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.667)
 115.750   2104.6897    746.33  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.750)
 115.833   2109.7981    741.75  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.833)
 115.917   2114.8752    737.19  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.917)
 116.000   2119.9202    732.51  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.000)
 116.083   2124.9333    727.91  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.083)
 116.167   2129.9172    723.64  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.167)
 116.250   2134.8740    719.73  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.250)
 116.333   2139.8054    716.05  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.333)
 116.417   2144.7122    712.47  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.417)
 116.500   2149.5930    708.71  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.500)
 116.583   2154.4475    704.88  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  20.583)
 116.667   2159.2776    701.32  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  20.667)
 116.750   2164.0854    698.11  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  20.750)
 116.833   2168.8726    695.09  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  20.833)
 116.917   2173.6406    692.31  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  20.917)
 117.000   2178.3901    689.62  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  21.000)
 117.083   2183.1213    686.99  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  21.083)
 117.167   2187.8352    684.45  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  21.167)
 117.250   2192.5325    682.04  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  21.250)
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 117.333   2197.2139    679.74  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.333)
 117.417   2201.8799    677.50  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.417)
 117.500   2206.5308    675.32  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.500)
 117.583   2211.1672    673.20  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.583)
 117.667   2215.7893    671.14  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.667)
 117.750   2220.3977    669.12  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.750)
 117.833   2224.9924    667.16  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.833)
 117.917   2229.5740    665.24  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.917)
 118.000   2234.1426    663.36  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  22.000)
 118.083   2238.6985    661.53  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.083)
 118.167   2243.2422    659.74  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.167)
 118.250   2247.7737    657.99  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.250)
 118.333   2252.2935    656.27  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.333)
 118.417   2256.8015    654.58  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.417)
 118.500   2261.2983    652.94  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.500)
 118.583   2265.7839    651.32  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.583)
 118.667   2270.2588    649.74  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.667)
 118.750   2274.7229    648.19  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.750)
 118.833   2279.1765    646.66  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.833)
 118.917   2283.6199    645.17  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.917)
 119.000   2288.0530    643.70  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.000)
 119.083   2292.4761    642.25  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.083)
 119.167   2296.8894    640.83  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.167)
 119.250   2301.2932    639.43  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.250)
 119.333   2305.6875    638.05  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.333)
 119.417   2310.0725    636.70  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.417)
 119.500   2314.4482    635.37  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.500)
 119.583   2318.8149    634.05  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.583)
 119.667   2323.1729    632.76  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.667)
 119.750   2327.5220    631.48  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.750)
 119.833   2331.8623    630.23  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.833)
 119.917   2336.1941    628.99  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.917)
 120.000   2340.5176    627.77  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.000)
 120.083   2344.8259    625.56  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.083)
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 120.167   2349.0901    619.16  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.167)
 120.250   2353.2664    606.40  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.250)
 120.333   2357.3179    588.28  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.333)
 120.417   2361.2371    569.05  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.417)
 120.500   2365.0342    551.36  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.500)
 120.583   2368.7219    535.45  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.583)
 120.667   2372.3210    522.60  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  24.667)
 120.750   2375.8569    513.40  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  24.750)
 120.833   2379.3496    507.13  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  24.833)
 120.917   2382.8130    502.87  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  24.917)
 121.000   2386.2556    499.86  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  25.000)
 121.083   2389.6829    497.63  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  25.083)
 121.167   2393.0977    495.82  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.167)
 121.250   2396.5020    494.31  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.250)
 121.333   2399.8972    492.99  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.333)
 121.417   2403.2844    491.83  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.417)
 121.500   2406.6648    490.82  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.500)
 121.583   2410.0388    489.92  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.583)
 121.667   2413.4072    489.09  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.667)
 121.750   2416.7703    488.31  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.750)
 121.833   2420.1282    487.56  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.833)
 121.917   2423.4810    486.83  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.917)
 122.000   2426.8289    486.12  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.000)
 122.083   2430.1721    485.43  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.083)
 122.167   2433.5107    484.77  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.167)
 122.250   2436.8450    484.12  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.250)
 122.333   2440.1748    483.48  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.333)
 122.417   2443.5005    482.88  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.417)
 122.500   2446.8220    482.29  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.500)
 122.583   2450.1396    481.71  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.583)
 122.667   2453.4534    481.15  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.667)
 122.750   2456.7634    480.61  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.750)
 122.833   2460.0698    480.09  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.833)
 122.917   2463.3728    479.58  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.917)
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 123.000   2466.6724    479.08  .  Q      .         .         V         .
 (PEAK DAY 1, HOUR  27.000)
 123.083   2469.9685    478.60  .  Q      .         .         V         .
 (PEAK DAY 1, HOUR  27.083)
 123.167   2473.2615    478.13  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.167)
 123.250   2476.5513    477.67  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.250)
 123.333   2479.8379    477.21  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.333)
 123.417   2483.1213    476.76  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.417)
 123.500   2486.4016    476.31  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.500)
 123.583   2489.6790    475.86  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.583)
 123.667   2492.9531    475.41  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.667)
 123.750   2496.2241    474.97  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.750)
 123.833   2499.4922    474.52  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.833)
 123.917   2502.7571    474.08  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.917)
 124.000   2506.0190    473.63  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
________________________________________________________________________________
********************************************************************************

             F L O O D    R O U T I N G    A N A L Y S I S
             USING COUNTY HYDROLOGY MANUAL OF ORANGE(1986)
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                          Analysis prepared by:

                          Huitt - Zollars, Inc.
                         430 Exchange, Suite 200
                          Irvine, CA. 92602-1309
                             714 - 734 - 5100

--------------------------------------------------------------------------------
  FILE NAME: CP63CHO5.FLD
  TIME/DATE OF STUDY: 13:25 04/01/2004


********************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    780.00 IS CODE =   1
--------------------------------------------------------------------------------

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

         WATERSHED AREA =    4741.300 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.480 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  1.000
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
         +------------------+--------+--------+--------+--------+--------+
         | RAINFALL DEPTHS & |        |        |        |        |        |
         |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
         |==================+========+========+========+========+========|
         | 5-MINUTE (INCHES) |   0.58|    0.27|    0.12|    0.06|    0.04|
         |30-MINUTE (INCHES) |   1.22|    0.56|    0.24|    0.13|    0.09|
         |   1-HOUR (INCHES) |   1.62|    0.75|    0.33|    0.17|    0.12|
         |   3-HOUR (INCHES) |   2.71|    1.25|    0.54|    0.28|    0.21|
         |   6-HOUR (INCHES) |   3.75|    1.73|    0.75|    0.39|    0.29|
         |  24-HOUR (INCHES) |   6.28|    2.89|    1.26|    0.66|    0.48|
         |==================+========+========+========+========+========|
         | LOSS RATE(IN/HR)  |   0.190|   0.190|   0.190|   0.190|   0.190|
         | LOW LOSS FRACTION |   0.550|   0.750|   0.900|   0.970|   0.990|
         +------------------+--------+--------+--------+--------+--------+
           5-MINUTE FACTOR = 0.793
          30-MINUTE FACTOR = 0.793
           1-HOUR FACTOR = 0.793
           3-HOUR FACTOR = 0.969
           6-HOUR FACTOR = 0.984
          24-HOUR FACTOR = 0.990

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  17.361


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
         1                1.137               652.130
         2                4.082              1688.625
         3                8.525              2547.514
         4               14.577              3470.279
         5               24.203              5519.575
         6               43.203             10894.611
         7               57.937              8448.228
         8               65.484              4327.674
         9               70.911              3111.621
        10               75.443              2599.076
        11               78.982              2029.171
        12               82.133              1806.516
        13               84.749              1499.854
        14               87.075              1334.078
        15               88.974              1088.566
        16               90.645               958.165
        17               92.163               870.854
        18               93.467               747.418
        19               94.550               621.273
        20               95.489               538.119
        21               96.255               439.106
        22               96.815               321.374
        23               97.375               321.055
        24               97.900               301.316
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25	98.079	102.631
26	98.169	51.477
27	98.259	51.411
28	98.349	51.608
29	98.439	51.604
30	98.528	51.219
31	98.618	51.477
32	98.708	51.477
33	98.798	51.608
34	98.887	51.346
35	98.977	51.608
36	99.067	51.604
37	99.157	51.604
38	99.247	51.604
39	99.337	51.604
40	99.427	51.604
41	99.517	51.604
42	99.607	51.604
43	99.697	51.604
44	99.787	51.604
45	99.877	51.604
46	99.967	51.604
47	100.000	18.785

TOTAL SOIL-LOSS VOLUME(ACRE-FEET) = 2535.6968

TOTAL STORM RUNOFF VOLUME(ACRE-FEET) = 1991.0461

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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 2025.0 4050.0 6075.0 8100.0
96.000	524.3721	57.05	Q V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	524.7745	58.43	Q V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	525.2059	62.64	Q V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	525.6828	69.24	Q V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	526.2228	78.41	Q V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	526.8649	93.23	Q V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	527.7108	122.82	Q V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	528.7158	145.93	Q V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	529.8037	157.97	Q V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	530.9523	166.77	Q V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	532.1523	174.25	Q V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	533.3935	180.21	Q V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	534.6719	185.62	Q V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	535.9819	190.22	Q V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	537.3209	194.42	Q V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	538.6843	197.97	Q V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	540.0699	201.20	Q V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	541.4763	204.20	.Q V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	542.9012	206.90	.Q V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	544.3423	209.26	.Q V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	545.7985	211.43	.Q V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	547.2676	213.33	.Q V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	548.7479	214.94	.Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	550.2393	216.54	.Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	551.7415	218.12	.Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	553.2509	219.16	.Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	554.7665	220.08	.Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	556.2885	220.99	.Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	557.8170	221.93	.Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	559.3518	222.86	.Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	560.8932	223.82	.Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	562.4412	224.77	.Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	563.9959	225.74	.Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	565.5573	226.71	.Q .V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	567.1254	227.70	.Q .V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	568.7004	228.68	.Q .V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	570.2823	229.69	.Q .V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	571.8711	230.70	.Q .V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	573.4670	231.73	.Q .V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	575.0699	232.75	.Q .V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	576.6802	233.80	.Q .V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	578.2975	234.84	.Q .V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	579.9223	235.92	.Q .V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	581.5544	236.98	.Q .V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	583.1940	238.07	.Q .V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	584.8411	239.16	.Q .V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	586.4959	240.27	.Q .V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	588.1577	241.29	.Q .V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	589.8264	242.29	.Q .V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	591.5018	243.27	.Q .V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	593.1842	244.29	.Q .V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	594.8736	245.30	.Q .V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	596.5702	246.34	.Q .V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	598.2739	247.37	.Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	599.9849	248.44	.Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	601.7031	249.49	.Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	603.4288	250.58	.Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	605.1620	251.66	.Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	606.9028	252.77	.Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	608.6512	253.87	.Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	610.4075	255.01	.Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	612.1716	256.14	.Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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101.167    613.9436    257.30  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250    615.7236    258.46  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333    617.5119    259.65  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417    619.3083    260.84  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500    621.1131    262.06  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583    622.9263    263.27  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667    624.7480    264.52  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750    626.5784    265.76  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833    628.4175    267.05  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917    630.2655    268.32  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000    632.1225    269.64  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083    633.9885    270.94  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167    635.8638    272.29  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250    637.7483    273.63  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333    639.6423    275.02  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417    641.5458    276.39  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500    643.4592    277.81  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583    645.3822    279.23  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667    647.3153    280.69  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750    649.2584    282.14  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833    651.2119    283.64  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917    653.1755    285.13  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000    655.1499    286.67  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083    657.1348    288.21  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167    659.1306    289.79  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250    661.1373    291.37  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333    663.1552    293.00  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417    665.1843    294.63  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500    667.2250    296.31  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583    669.2772    297.98  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667    671.3414    299.71  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750    673.4174    301.43  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833    675.5057    303.22  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917    677.6062    305.00  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.917)
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104.000    679.7194    306.84  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083    681.8453    308.67  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167    683.9842    310.57  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250    686.1362    312.46  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333    688.3016    314.43  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417    690.4805    316.38  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500    692.6734    318.41  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583    694.8802    320.42  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667    697.1014    322.52  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750    699.3370    324.61  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833    701.5876    326.78  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917    703.8530    328.94  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000    706.1339    331.18  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083    708.4301    333.42  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167    710.7424    335.75  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250    713.0707    338.07  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333    715.4156    340.48  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417    717.7772    342.89  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500    720.1559    345.39  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583    722.5518    347.89  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667    724.9657    350.49  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750    727.3975    353.09  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833    729.8478    355.80  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917    732.3168    358.50  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000    734.8052    361.31  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083    737.3130    364.13  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167    739.8409    367.06  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250    742.3892    370.00  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333    744.9584    373.06  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417    747.5488    376.12  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500    750.1611    379.32  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583    752.7955    382.51  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667    755.4529    385.85  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750    758.1334    389.20  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.750)
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106.833    760.8378    392.69  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    763.5665    396.19  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    766.3203    399.86  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    769.0995    403.53  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167    771.9052    407.38  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250    774.7374    411.24  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333    777.5974    415.28  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417    780.4854    419.34  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500    783.4028    423.60  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583    786.3495    427.88  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667    789.3273    432.36  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750    792.3361    436.88  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833    795.3776    441.62  . Q       .    V    .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917    798.4520    446.40  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000    801.5609    451.42  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083    804.7167    458.21  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167    807.9401    468.03  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250    811.2471    480.19  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333    814.6569    495.10  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417    818.2075    515.54  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500    821.9995    550.61  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583    825.9893    579.32  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667    830.1044    597.50  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750    834.3231    612.56  .  Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833    838.6390    626.67  .  Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917    843.0424    639.37  .  Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000    847.5322    651.92  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083    852.1049    663.96  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167    856.7635    676.43  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250    861.5088    689.01  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333    866.3477    702.61  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417    871.2896    717.55  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500    876.3552    735.54  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583    881.5556    755.09  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.583)
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109.667    886.9045    776.66  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750    892.4076    799.06  .  Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833    898.0772    823.23  .   Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917    903.9202    848.40  .   Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.917)
110.000    909.9514    875.72  .   Q      .       V .         .         .
(PEAK DAY 1, HOUR  14.000)
110.083    916.2261    911.09  .   Q      .       V .         .         .
(PEAK DAY 1, HOUR  14.083)
110.167    922.8422    960.67  .   Q      .       V .         .         .
(PEAK DAY 1, HOUR  14.167)
110.250    929.8752   1021.19  .    Q     .       V .         .         .
(PEAK DAY 1, HOUR  14.250)
110.333    937.4159   1094.90  .    Q     .       V .         .         .
(PEAK DAY 1, HOUR  14.333)
110.417    945.6345   1193.34  .    Q     .       V .         .         .
(PEAK DAY 1, HOUR  14.417)
110.500    954.9769   1356.53  .     Q    .        V.         .         .
(PEAK DAY 1, HOUR  14.500)
110.583    965.2540   1492.23  .      Q   .        V.         .         .
(PEAK DAY 1, HOUR  14.583)
110.667    976.1564   1583.02  .      Q   .        V.         .         .
(PEAK DAY 1, HOUR  14.667)
110.750    987.5969   1661.17  .       Q  .        V.         .         .
(PEAK DAY 1, HOUR  14.750)
110.833    999.5599   1737.02  .       Q  .         V         .         .
(PEAK DAY 1, HOUR  14.833)
110.917   1012.0135   1808.27  .       Q  .         V         .         .
(PEAK DAY 1, HOUR  14.917)
111.000   1024.9714   1881.49  .        Q.         V         .         .
(PEAK DAY 1, HOUR  15.000)
111.083   1038.4275   1953.82  .        Q.         V         .         .
(PEAK DAY 1, HOUR  15.083)
111.167   1052.4082   2029.99  .         Q         .V        .         .
(PEAK DAY 1, HOUR  15.167)
111.250   1066.9198   2107.09  .         Q         .V        .         .
(PEAK DAY 1, HOUR  15.250)
111.333   1082.0043   2190.26  .         Q         .V        .         .
(PEAK DAY 1, HOUR  15.333)
111.417   1097.5770   2261.16  .         .Q        . V       .         .
(PEAK DAY 1, HOUR  15.417)
111.500   1113.5178   2314.61  .         .Q        . V       .         .
(PEAK DAY 1, HOUR  15.500)
111.583   1129.7285   2353.79  .         .Q        . V       .         .
(PEAK DAY 1, HOUR  15.583)
111.667   1146.1561   2385.29  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  15.667)
111.750   1162.5571   2381.42  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  15.750)
111.833   1178.1958   2270.74  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  15.833)
111.917   1193.8363   2271.00  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  15.917)
112.000   1210.8542   2471.00  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  16.000)
112.083   1231.4600   2991.95  .         .   Q     .   V     .         .
(PEAK DAY 1, HOUR  16.083)
112.167   1257.0110   3710.00  .         .       Q .    V    .         .
(PEAK DAY 1, HOUR  16.167)
112.250   1287.2900   4396.52  .         .         .Q   V    .         .
(PEAK DAY 1, HOUR  16.250)
112.333   1323.0471   5191.94  .         .         .    QV   .         .
(PEAK DAY 1, HOUR  16.333)
112.417   1366.6873   6336.55  .         .         .      V  .Q        .
(PEAK DAY 1, HOUR  16.417)
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112.500   1422.4481   8096.49  .          .          .       V .        Q.
(PEAK DAY 1, HOUR  16.500)
112.583   1469.5847   6844.24  .          .          .       V.  Q      .
(PEAK DAY 1, HOUR  16.583)
112.667   1503.8654   4977.55  .          .          .   Q     V          .
(PEAK DAY 1, HOUR  16.667)
112.750   1533.0299   4234.69  .          .         Q         V          .
(PEAK DAY 1, HOUR  16.750)
112.833   1560.4061   3975.03  .          .        Q.         .V         .
(PEAK DAY 1, HOUR  16.833)
112.917   1585.9252   3705.36  .          .       Q .         .V         .
(PEAK DAY 1, HOUR  16.917)
113.000   1609.9448   3487.65  .          .      Q  .         . V        .
(PEAK DAY 1, HOUR  17.000)
113.083   1632.2296   3235.76  .          .    Q    .         . V        .
(PEAK DAY 1, HOUR  17.083)
113.167   1653.0839   3028.04  .          .   Q     .         .  V       .
(PEAK DAY 1, HOUR  17.167)
113.250   1672.3000   2790.18  .          .  Q      .         .  V       .
(PEAK DAY 1, HOUR  17.250)
113.333   1690.1511   2591.97  .          . Q       .         .  V       .
(PEAK DAY 1, HOUR  17.333)
113.417   1706.6302   2392.77  .          .Q        .         .   V      .
(PEAK DAY 1, HOUR  17.417)
113.500   1721.2643   2124.86  .          Q         .         .   V      .
(PEAK DAY 1, HOUR  17.500)
113.583   1734.2581   1886.69  .         Q.         .         .   V      .
(PEAK DAY 1, HOUR  17.583)
113.667   1746.0696   1715.04  .        Q .         .         .    V     .
(PEAK DAY 1, HOUR  17.667)
113.750   1756.8064   1558.98  .       Q  .         .         .    V     .
(PEAK DAY 1, HOUR  17.750)
113.833   1766.5392   1413.20  .      Q   .         .         .    V     .
(PEAK DAY 1, HOUR  17.833)
113.917   1775.6035   1316.13  .      Q   .         .         .    V     .
(PEAK DAY 1, HOUR  17.917)
114.000   1783.9698   1214.79  .     Q    .         .         .    V     .
(PEAK DAY 1, HOUR  18.000)
114.083   1791.3156   1066.59  .     Q    .         .         .    V     .
(PEAK DAY 1, HOUR  18.083)
114.167   1798.0677    980.42  .    Q     .         .         .     V    .
(PEAK DAY 1, HOUR  18.167)
114.250   1804.4373    924.85  .    Q     .         .         .     V    .
(PEAK DAY 1, HOUR  18.250)
114.333   1810.4688    875.77  .    Q     .         .         .     V    .
(PEAK DAY 1, HOUR  18.333)
114.417   1816.1316    822.24  .    Q     .         .         .     V    .
(PEAK DAY 1, HOUR  18.417)
114.500   1821.3540    758.30  .   Q      .         .         .     V    .
(PEAK DAY 1, HOUR  18.500)
114.583   1826.2140    705.67  .   Q      .         .         .     V    .
(PEAK DAY 1, HOUR  18.583)
114.667   1830.8105    667.42  .   Q      .         .         .     V    .
(PEAK DAY 1, HOUR  18.667)
114.750   1835.1884    635.65  .   Q      .         .         .     V    .
(PEAK DAY 1, HOUR  18.750)
114.833   1839.3772    608.22  .   Q      .         .         .     V    .
(PEAK DAY 1, HOUR  18.833)
114.917   1843.3987    583.92  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  18.917)
115.000   1847.2664    561.58  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.000)
115.083   1851.0087    543.39  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.083)
115.167   1854.6389    527.11  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.167)
115.250   1858.1722    513.04  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.250)
115.333   1861.6184    500.38  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.333)
115.417   1864.9816    488.33  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.417)
115.500   1868.2661    476.91  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.500)
115.583   1871.4744    465.84  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.583)
115.667   1874.6071    454.86  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.667)
115.750   1877.6595    443.22  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.750)
115.833   1880.6226    430.23  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.833)
115.917   1883.4233    406.68  . Q        .         .         .      V   .
(PEAK DAY 1, HOUR  19.917)
116.000   1886.1075    389.75  .Q         .         .         .      V   .
(PEAK DAY 1, HOUR  20.000)
116.083   1888.7346    381.46  .Q         .         .         .      V   .
(PEAK DAY 1, HOUR  20.083)
116.167   1891.3137    374.48  .Q         .         .         .      V   .
(PEAK DAY 1, HOUR  20.167)
116.250   1893.8436    367.34  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  20.250)
116.333   1896.3243    360.20  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  20.333)
116.417   1898.7587    353.47  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  20.417)
116.500   1901.1489    347.07  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  20.500)
116.583   1903.4972    340.98  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  20.583)
116.667   1905.8054    335.15  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  20.667)
116.750   1908.0751    329.56  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  20.750)
116.833   1910.3079    324.20  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  20.833)
116.917   1912.5077    319.41  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  20.917)
117.000   1914.6774    315.04  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.000)
117.083   1916.8182    310.85  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.083)
117.167   1918.9313    306.82  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.167)
117.250   1921.0177    302.95  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.250)
117.333   1923.0785    299.22  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.333)
117.417   1925.1145    295.63  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.417)
117.500   1927.1267    292.16  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.500)
117.583   1929.1157    288.80  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.583)
117.667   1931.0822    285.53  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.667)
117.750   1933.0267    282.35  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.750)
117.833   1934.9500    279.25  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.833)
117.917   1936.8530    276.33  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  21.917)
118.000   1938.7368    273.53  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  22.000)
118.083   1940.6019    270.81  .Q         .         .         .       V  .
(PEAK DAY 1, HOUR  22.083)
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118.167	1942.4487	268.16	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.167)								
118.250	1944.2778	265.58	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.250)								
118.333	1946.0896	263.06	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.333)								
118.417	1947.8844	260.61	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.417)								
118.500	1949.6627	258.22	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.500)								
118.583	1951.4249	255.88	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.583)								
118.667	1953.1715	253.60	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.667)								
118.750	1954.9027	251.37	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.750)								
118.833	1956.6189	249.19	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.833)								
118.917	1958.3204	247.06	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.917)								
119.000	1960.0077	244.98	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.000)								
119.083	1961.6809	242.95	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.083)								
119.167	1963.3403	240.95	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.167)								
119.250	1964.9863	239.01	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.250)								
119.333	1966.6193	237.10	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.333)								
119.417	1968.2393	235.23	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.417)								
119.500	1969.8467	233.40	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.500)								
119.583	1971.4418	231.61	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.583)								
119.667	1973.0248	229.85	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.667)								
119.750	1974.5959	228.13	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.750)								
119.833	1976.1555	226.44	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.833)								
119.917	1977.7036	224.79	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.917)								
120.000	1979.2406	223.16	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.000)								
120.083	1980.7501	219.19	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.083)								
120.167	1982.2065	211.46	.Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.167)								
120.250	1983.5886	200.67	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.250)								
120.333	1984.8737	186.59	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.333)								
120.417	1986.0109	165.13	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.417)								
120.500	1986.8660	124.17	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.500)								
120.583	1987.5026	92.43	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.583)								
120.667	1988.0258	75.96	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.667)								
120.750	1988.4669	64.06	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.750)								
120.833	1988.8396	54.11	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.833)								
120.917	1989.1586	46.31	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.917)								
121.000	1989.4298	39.39	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.000)								
121.083	1989.6614	33.63	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.083)								
121.167	1989.8578	28.51	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.167)								
121.250	1990.0254	24.33	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.250)								
121.333	1990.1677	20.66	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.333)								
121.417	1990.2871	17.33	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.417)								
121.500	1990.3868	14.48	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.500)								
121.583	1990.4702	12.10	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.583)								
121.667	1990.5394	10.05	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.667)								
121.750	1990.5970	8.37	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.750)								
121.833	1990.6462	7.14	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.833)								
121.917	1990.6870	5.91	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.917)								
122.000	1990.7198	4.77	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.000)								
122.083	1990.7499	4.36	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.083)								
122.167	1990.7784	4.14	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.167)								
122.250	1990.8054	3.92	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.250)								
122.333	1990.8309	3.70	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.333)								
122.417	1990.8550	3.49	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.417)								
122.500	1990.8776	3.28	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.500)								
122.583	1990.8987	3.07	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.583)								
122.667	1990.9183	2.86	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.667)								
122.750	1990.9365	2.65	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.750)								
122.833	1990.9534	2.44	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.833)								
122.917	1990.9688	2.24	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.917)								
123.000	1990.9828	2.03	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.000)								
123.083	1990.9954	1.83	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.083)								
123.167	1991.0066	1.63	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.167)								
123.250	1991.0165	1.43	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.250)								
123.333	1991.0249	1.23	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.333)								
123.417	1991.0320	1.03	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.417)								
123.500	1991.0377	0.84	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.500)								
123.583	1991.0421	0.64	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.583)								
123.667	1991.0452	0.45	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.667)								
123.750	1991.0470	0.26	Q	.	.	.	V	
(PEAK DAY 1, HOUR 27.750)								

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 123.833   1991.0475      0.07  Q         .         .         .         V
 (PEAK DAY 1, HOUR  27.833)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE = 3.1
--------------------------------------------------------------------------------
  >>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

                   INFLOW
                  (STREAM 1)
                       |
                       |
                       V                __effective depth
                   -----------          |   (and volume)
                  |           |    |    |
                  |           |    |....V........
                  | detention |<-->|           outflow
                  |   basin   |    |.........._______
                   -----------     |    ^    |  \
                       |           |  dead   |   basin outlet
                       V           | storage |
                    OUTFLOW         ---------
                   (STREAM 1)



        ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
        THROUGH A FLOW-THROUGH DETENTION BASIN
        SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
          DEAD STORAGE(AF) =      0.000
          SPECIFIED DEAD STORAGE(AF) FILLED =      0.000
          SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET =      0.000
          DETENTION BASIN CONSTANT LOSS RATE(CFS) =    0.00


        BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:

         INTERVAL    DEPTH      OUTFLOW     STORAGE
          NUMBER      (FT)       (CFS)       (AF)
              1        0.00         0.00       0.000
              2        4.00       175.20       1.000
              3        5.00       199.20       3.100
              4        6.00       220.50       7.800
              5        7.00       240.40      15.800
              6        9.00       276.50      44.300
              7       11.00       308.80      83.700
              8       13.00       338.30     125.900
              9       15.00       365.70     202.000
             10       17.00       391.10     290.900
             11       19.00       415.40     382.300
             12       21.00       438.20     476.600
             13       23.00       460.70     573.700
             14       25.00       472.30     673.700
             15       27.00       485.40     777.000
             16       29.00       500.00     883.200
             17       31.00       515.60     992.200


================================================================================
 MODIFIED-PULS BASIN ROUTING MODEL RESULTS(5-MINUTE COMPUTATION INTERVALS):
 (Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time;
        MEAN OUTFLOW is the average value during the unit interval.)
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
1	0.001	96.001	0.000	57.05	0.00	9.83	290.6	60.746
1	0.084	96.084	0.000	58.43	0.00	9.75	289.3	59.156
1	0.167	96.167	0.000	62.64	0.00	9.68	288.0	57.604
1	0.251	96.251	0.000	69.24	0.00	9.60	286.8	56.105
1	0.334	96.334	0.000	78.41	0.00	9.53	285.6	54.678
1	0.417	96.417	0.000	93.23	0.00	9.46	284.5	53.361
1	0.501	96.501	0.000	122.82	0.00	9.40	283.5	52.255
1	0.584	96.584	0.000	145.93	0.00	9.36	282.6	51.314
1	0.667	96.667	0.000	157.97	0.00	9.31	281.9	50.460
1	0.751	96.751	0.000	166.77	0.00	9.27	281.2	49.672
1	0.834	96.834	0.000	174.25	0.00	9.24	280.6	48.939
1	0.917	96.917	0.000	180.21	0.00	9.20	280.0	48.252
1	1.001	97.001	0.000	185.62	0.00	9.17	279.5	47.605
1	1.084	97.084	0.000	190.22	0.00	9.14	279.0	46.994
1	1.167	97.167	0.000	194.42	0.00	9.11	278.5	46.416
1	1.251	97.251	0.000	197.97	0.00	9.08	278.0	45.864
1	1.334	97.334	0.000	201.20	0.00	9.05	277.6	45.338
1	1.417	97.417	0.000	204.20	0.00	9.03	277.1	44.836
1	1.501	97.501	0.000	206.90	0.00	9.00	276.7	44.355
1	1.584	97.584	0.000	209.26	0.00	8.97	276.3	43.893
1	1.667	97.667	0.000	211.43	0.00	8.94	275.7	43.451
1	1.751	97.751	0.000	213.33	0.00	8.91	275.2	43.025
1	1.834	97.834	0.000	214.94	0.00	8.88	274.6	42.614
1	1.917	97.917	0.000	216.54	0.00	8.85	274.1	42.217
1	2.001	98.001	0.000	218.12	0.00	8.83	273.6	41.835
1	2.084	98.084	0.000	219.16	0.00	8.80	273.1	41.463
1	2.167	98.167	0.000	220.08	0.00	8.78	272.7	41.101
1	2.251	98.251	0.000	220.99	0.00	8.75	272.2	40.748
1	2.334	98.334	0.000	221.93	0.00	8.73	271.8	40.405
1	2.417	98.417	0.000	222.86	0.00	8.70	271.4	40.071
1	2.501	98.501	0.000	223.82	0.00	8.68	270.9	39.746
1	2.584	98.584	0.000	224.77	0.00	8.66	270.5	39.431
1	2.667	98.667	0.000	225.74	0.00	8.64	270.1	39.126
1	2.751	98.751	0.000	226.71	0.00	8.62	269.8	38.829
1	2.834	98.834	0.000	227.70	0.00	8.60	269.4	38.542
1	2.917	98.917	0.000	228.68	0.00	8.58	269.0	38.264
1	3.001	99.001	0.000	229.69	0.00	8.56	268.7	37.995
1	3.084	99.084	0.000	230.70	0.00	8.54	268.3	37.736
1	3.167	99.167	0.000	231.73	0.00	8.52	268.0	37.486
1	3.251	99.251	0.000	232.75	0.00	8.50	267.7	37.245
1	3.334	99.334	0.000	233.80	0.00	8.49	267.4	37.014
1	3.417	99.417	0.000	234.84	0.00	8.47	267.1	36.791
1	3.501	99.501	0.000	235.92	0.00	8.46	266.9	36.578
1	3.584	99.584	0.000	236.98	0.00	8.44	266.6	36.374
1	3.667	99.667	0.000	238.07	0.00	8.43	266.3	36.180
1	3.751	99.751	0.000	239.16	0.00	8.42	266.1	35.994
1	3.834	99.834	0.000	240.27	0.00	8.40	265.9	35.818
1	3.917	99.917	0.000	241.29	0.00	8.39	265.6	35.650
1	4.001	100.001	0.000	242.29	0.00	8.38	265.4	35.491
1	4.084	100.084	0.000	243.27	0.00	8.37	265.2	35.339
1	4.167	100.167	0.000	244.29	0.00	8.36	265.1	35.196
1	4.251	100.251	0.000	245.30	0.00	8.35	264.9	35.062
1	4.334	100.334	0.000	246.34	0.00	8.34	264.7	34.935
1	4.417	100.417	0.000	247.37	0.00	8.33	264.6	34.817
1	4.501	100.501	0.000	248.44	0.00	8.33	264.4	34.707
1	4.584	100.584	0.000	249.49	0.00	8.32	264.3	34.605
1	4.667	100.667	0.000	250.58	0.00	8.31	264.2	34.511
1	4.751	100.751	0.000	251.66	0.00	8.31	264.0	34.426
1	4.834	100.834	0.000	252.77	0.00	8.30	263.9	34.349
1	4.917	100.917	0.000	253.87	0.00	8.30	263.9	34.280
1	5.001	101.001	0.000	255.01	0.00	8.29	263.8	34.220
1	5.084	101.084	0.000	256.14	0.00	8.29	263.7	34.168

1	5.167	101.167	0.000	257.30	0.00	8.29	263.6	34.124
1	5.251	101.251	0.000	258.46	0.00	8.28	263.6	34.089
1	5.334	101.334	0.000	259.65	0.00	8.28	263.5	34.062
1	5.417	101.417	0.000	260.84	0.00	8.28	263.5	34.043
1	5.501	101.501	0.000	262.06	0.00	8.28	263.5	34.033
1	5.584	101.584	0.000	263.27	0.00	8.28	263.5	34.032
1	5.667	101.667	0.000	264.52	0.00	8.28	263.5	34.039
1	5.751	101.751	0.000	265.76	0.00	8.28	263.5	34.055
1	5.834	101.834	0.000	267.05	0.00	8.28	263.5	34.079
1	5.917	101.917	0.000	268.32	0.00	8.29	263.6	34.111
1	6.001	102.001	0.000	269.64	0.00	8.29	263.6	34.153
1	6.084	102.084	0.000	270.94	0.00	8.29	263.7	34.203
1	6.167	102.167	0.000	272.29	0.00	8.30	263.7	34.262
1	6.251	102.251	0.000	273.63	0.00	8.30	263.8	34.329
1	6.334	102.334	0.000	275.02	0.00	8.31	263.9	34.406
1	6.417	102.417	0.000	276.39	0.00	8.31	264.0	34.491
1	6.501	102.501	0.000	277.81	0.00	8.32	264.1	34.585
1	6.584	102.584	0.000	279.23	0.00	8.33	264.3	34.688
1	6.667	102.667	0.000	280.69	0.00	8.33	264.4	34.800
1	6.751	102.751	0.000	282.14	0.00	8.34	264.5	34.921
1	6.834	102.834	0.000	283.64	0.00	8.35	264.7	35.052
1	6.917	102.917	0.000	285.13	0.00	8.36	264.9	35.191
1	7.001	103.001	0.000	286.67	0.00	8.37	265.1	35.340
1	7.084	103.084	0.000	288.21	0.00	8.38	265.3	35.498
1	7.167	103.167	0.000	289.79	0.00	8.39	265.5	35.666
1	7.251	103.251	0.000	291.37	0.00	8.41	265.7	35.843
1	7.334	103.334	0.000	293.00	0.00	8.42	265.9	36.030
1	7.417	103.417	0.000	294.63	0.00	8.43	266.1	36.226
1	7.501	103.501	0.000	296.31	0.00	8.45	266.4	36.432
1	7.584	103.584	0.000	297.98	0.00	8.46	266.7	36.647
1	7.667	103.667	0.000	299.71	0.00	8.48	266.9	36.873
1	7.751	103.751	0.000	301.43	0.00	8.50	267.2	37.108
1	7.834	103.834	0.000	303.22	0.00	8.51	267.5	37.354
1	7.917	103.917	0.000	305.00	0.00	8.53	267.9	37.610
1	8.001	104.001	0.000	306.84	0.00	8.55	268.2	37.876
1	8.084	104.084	0.000	308.67	0.00	8.57	268.5	38.152
1	8.167	104.167	0.000	310.57	0.00	8.59	268.9	38.439
1	8.251	104.251	0.000	312.46	0.00	8.61	269.3	38.737
1	8.334	104.334	0.000	314.43	0.00	8.63	269.6	39.045
1	8.418	104.418	0.000	316.38	0.00	8.65	270.0	39.364
1	8.501	104.501	0.000	318.41	0.00	8.68	270.5	39.695
1	8.584	104.584	0.000	320.42	0.00	8.70	270.9	40.036
1	8.668	104.668	0.000	322.52	0.00	8.73	271.3	40.388
1	8.751	104.751	0.000	324.61	0.00	8.75	271.8	40.752
1	8.834	104.834	0.000	326.78	0.00	8.78	272.2	41.128
1	8.918	104.918	0.000	328.94	0.00	8.80	272.7	41.515
1	9.001	105.001	0.000	331.18	0.00	8.83	273.2	41.914
1	9.084	105.084	0.000	333.42	0.00	8.86	273.7	42.325
1	9.168	105.168	0.000	335.75	0.00	8.89	274.3	42.749
1	9.251	105.251	0.000	338.07	0.00	8.92	274.8	43.184
1	9.334	105.334	0.000	340.48	0.00	8.95	275.4	43.633
1	9.418	105.418	0.000	342.89	0.00	8.99	275.9	44.094
1	9.501	105.501	0.000	345.39	0.00	9.01	276.5	44.568
1	9.584	105.584	0.000	347.89	0.00	9.04	276.9	45.057
1	9.668	105.668	0.000	350.49	0.00	9.06	277.3	45.561
1	9.751	105.751	0.000	353.09	0.00	9.09	277.7	46.080
1	9.834	105.834	0.000	355.80	0.00	9.12	278.2	46.614
1	9.918	105.918	0.000	358.50	0.00	9.15	278.6	47.165
1	10.001	106.001	0.000	361.31	0.00	9.17	279.1	47.731
1	10.084	106.084	0.000	364.13	0.00	9.20	279.6	48.313
1	10.168	106.168	0.000	367.06	0.00	9.23	280.0	48.913
1	10.251	106.251	0.000	370.00	0.00	9.27	280.5	49.529
1	10.334	106.334	0.000	373.06	0.00	9.30	281.0	50.163
1	10.418	106.418	0.000	376.12	0.00	9.33	281.6	50.814
1	10.501	106.501	0.000	379.32	0.00	9.36	282.1	51.483
1	10.584	106.584	0.000	382.51	0.00	9.40	282.7	52.171
1	10.668	106.668	0.000	385.85	0.00	9.44	283.2	52.877
1	10.751	106.751	0.000	389.20	0.00	9.47	283.8	53.603
1	10.834	106.834	0.000	392.69	0.00	9.51	284.4	54.349
1	10.918	106.918	0.000	396.19	0.00	9.55	285.1	55.114
1	11.001	107.001	0.000	399.86	0.00	9.59	285.7	55.900
1	11.084	107.084	0.000	403.53	0.00	9.63	286.3	56.708
1	11.168	107.168	0.000	407.38	0.00	9.67	287.0	57.537
1	11.251	107.251	0.000	411.24	0.00	9.72	287.7	58.387
1	11.334	107.334	0.000	415.28	0.00	9.76	288.4	59.261
1	11.418	107.418	0.000	419.34	0.00	9.80	289.1	60.158
1	11.501	107.501	0.000	423.60	0.00	9.85	289.9	61.079
1	11.584	107.584	0.000	427.88	0.00	9.90	290.6	62.024
1	11.668	107.668	0.000	432.36	0.00	9.95	291.4	62.995
1	11.751	107.751	0.000	436.88	0.00	10.00	292.2	63.991
1	11.834	107.834	0.000	441.62	0.00	10.05	293.1	65.014
1	11.918	107.918	0.000	446.40	0.00	10.10	293.9	66.064
1	12.001	108.001	0.000	451.42	0.00	10.16	294.8	67.143
1	12.084	108.084	0.000	458.21	0.00	10.22	295.7	68.262
1	12.168	108.168	0.000	468.03	0.00	10.28	296.6	69.443
1	12.251	108.251	0.000	480.19	0.00	10.34	297.6	70.700
1	12.334	108.334	0.000	495.10	0.00	10.41	298.7	72.053
1	12.418	108.418	0.000	515.54	0.00	10.48	299.9	73.538
1	12.501	108.501	0.000	550.61	0.00	10.57	301.2	75.256
1	12.584	108.584	0.000	579.32	0.00	10.67	302.7	77.161
1	12.668	108.668	0.000	597.50	0.00	10.77	304.3	79.181
1	12.751	108.751	0.000	612.56	0.00	10.88	306.0	81.292
1	12.834	108.834	0.000	626.67	0.00	10.99	307.7	83.489
1	12.918	108.918	0.000	639.37	0.00	11.10	309.4	85.761
1	13.001	109.001	0.000	651.92	0.00	11.21	311.1	88.109
1	13.084	109.084	0.000	663.96	0.00	11.32	312.7	90.528
1	13.168	109.168	0.000	676.43	0.00	11.44	314.4	93.021
1	13.251	109.251	0.000	689.01	0.00	11.56	316.2	95.588
1	13.334	109.334	0.000	702.61	0.00	11.69	318.0	98.237
1	13.418	109.418	0.000	717.55	0.00	11.82	319.9	100.975
1	13.501	109.501	0.000	735.54	0.00	11.95	321.9	103.824
1	13.584	109.584	0.000	755.09	0.00	12.09	323.9	106.794
1	13.668	109.668	0.000	776.66	0.00	12.24	326.0	109.897
1	13.751	109.751	0.000	799.06	0.00	12.40	328.2	113.140
1	13.834	109.834	0.000	823.23	0.00	12.56	330.6	116.533
1	13.918	109.918	0.000	848.40	0.00	12.72	333.0	120.083
1	14.001	110.001	0.000	875.72	0.00	12.90	335.5	123.803
1	14.084	110.084	0.000	911.09	0.00	13.05	337.9	127.750
1	14.168	110.168	0.000	960.67	0.00	13.16	339.7	132.027
1	14.251	110.251	0.000	1021.19	0.00	13.28	341.3	136.709
1	14.334	110.334	0.000	1094.90	0.00	13.42	343.1	141.886
1	14.418	110.418	0.000	1193.34	0.00	13.57	345.1	147.728
1	14.501	110.501	0.000	1356.53	0.00	13.76	347.4	154.678
1	14.584	110.584	0.000	1492.23	0.00	13.96	350.1	162.544
1	14.668	110.668	0.000	1583.02	0.00	14.19	353.0	171.015
1	14.751	110.751	0.000	1661.17	0.00	14.42	356.2	180.003
1	14.834	110.834	0.000	1737.02	0.00	14.67	359.5	189.490
1	14.918	110.918	0.000	1808.27	0.00	14.93	363.0	199.444
1	15.001	111.001	0.000	1881.49	0.00	15.18	366.4	209.879
1	15.084	111.084	0.000	1953.82	0.00	15.42	369.5	220.790
1	15.168	111.168	0.000	2029.99	0.00	15.68	372.7	232.204
1	15.251	111.251	0.000	2107.09	0.00	15.95	376.0	244.126
1	15.334	111.334	0.000	2190.26	0.00	16.23	379.5	256.596
1	15.418	111.418	0.000	2261.16	0.00	16.52	383.1	269.530
1	15.501	111.501	0.000	2314.61	0.00	16.82	386.9	282.806
1	15.584	111.584	0.000	2353.79	0.00	17.12	390.7	296.327
1	15.668	111.668	0.000	2385.29	0.00	17.42	394.4	310.038
1	15.751	111.751	0.000	2381.42	0.00	17.72	398.0	323.698
1	15.834	111.834	0.000	2270.74	0.00	18.00	401.5	336.571
1	15.918	111.918	0.000	2271.00	0.00	18.28	405.0	349.423
1	16.001	112.001	0.000	2471.00	0.00	18.59	408.5	363.627
1	16.084	112.084	0.000	2991.95	0.00	18.98	412.8	381.390
1	16.168	112.168	0.000	3710.00	0.00	19.46	417.9	404.063
1	16.251	112.251	0.000	4396.52	0.00	20.04	424.0	431.422
1	16.334	112.334	0.000	5191.94	0.00	20.74	431.2	464.209
1	16.418	112.418	0.000	6336.55	0.00	21.58	440.0	504.819

1	16.501	112.501	0.000	8096.49	0.00	22.67	450.8	557.475
1	16.584	112.584	0.000	6844.24	0.00	23.55	460.4	601.441
1	16.668	112.668	0.000	4977.55	0.00	24.18	465.7	632.514
1	16.751	112.751	0.000	4234.69	0.00	24.69	469.0	658.448
1	16.834	112.834	0.000	3975.03	0.00	25.17	472.0	682.574
1	16.918	112.918	0.000	3705.36	0.00	25.60	474.8	704.823
1	17.001	113.001	0.000	3487.65	0.00	26.00	477.6	725.553
1	17.084	113.084	0.000	3235.76	0.00	26.37	480.1	744.532
1	17.168	113.168	0.000	3028.04	0.00	26.71	482.4	762.064
1	17.251	113.251	0.000	2790.18	0.00	27.02	484.5	777.943
1	17.334	113.334	0.000	2591.97	0.00	27.29	486.5	792.443
1	17.418	113.418	0.000	2392.77	0.00	27.54	488.4	805.558
1	17.501	113.501	0.000	2124.86	0.00	27.75	490.1	816.817
1	17.584	113.584	0.000	1886.69	0.00	27.93	491.5	826.426
1	17.668	113.668	0.000	1715.04	0.00	28.09	492.8	834.844
1	17.751	113.751	0.000	1558.98	0.00	28.23	493.9	842.179
1	17.834	113.834	0.000	1413.20	0.00	28.35	494.8	848.504
1	17.918	113.918	0.000	1316.13	0.00	28.45	495.6	854.155
1	18.001	114.001	0.000	1214.79	0.00	28.55	496.3	859.103
1	18.084	114.084	0.000	1066.59	0.00	28.62	497.0	863.026
1	18.168	114.168	0.000	980.42	0.00	28.68	497.5	866.353
1	18.251	114.251	0.000	924.85	0.00	28.74	497.9	869.293
1	18.334	114.334	0.000	875.77	0.00	28.79	498.3	871.893
1	18.418	114.418	0.000	822.24	0.00	28.83	498.6	874.122
1	18.501	114.501	0.000	758.30	0.00	28.86	498.9	875.909
1	18.584	114.584	0.000	705.67	0.00	28.89	499.1	877.331
1	18.668	114.668	0.000	667.42	0.00	28.91	499.3	878.489
1	18.751	114.751	0.000	635.65	0.00	28.93	499.4	879.428
1	18.834	114.834	0.000	608.22	0.00	28.94	499.5	880.176
1	18.918	114.918	0.000	583.92	0.00	28.95	499.6	880.757
1	19.001	115.001	0.000	561.58	0.00	28.96	499.7	881.183
1	19.084	115.084	0.000	543.39	0.00	28.97	499.7	881.484
1	19.168	115.168	0.000	527.11	0.00	28.97	499.8	881.672
1	19.251	115.251	0.000	513.04	0.00	28.97	499.8	881.763
1	19.335	115.335	0.000	500.38	0.00	28.97	499.8	881.767
1	19.418	115.418	0.000	488.33	0.00	28.97	499.8	881.688
1	19.501	115.501	0.000	476.91	0.00	28.97	499.8	881.531
1	19.585	115.585	0.000	465.84	0.00	28.96	499.8	881.297
1	19.668	115.668	0.000	454.86	0.00	28.96	499.7	880.988
1	19.751	115.751	0.000	443.22	0.00	28.95	499.7	880.599
1	19.835	115.835	0.000	430.23	0.00	28.94	499.6	880.122
1	19.918	115.918	0.000	406.68	0.00	28.93	499.5	879.482
1	20.001	116.001	0.000	389.75	0.00	28.92	499.4	878.727
1	20.085	116.085	0.000	381.46	0.00	28.90	499.3	877.915
1	20.168	116.168	0.000	374.48	0.00	28.88	499.2	877.056
1	20.251	116.251	0.000	367.34	0.00	28.87	499.1	876.149
1	20.335	116.335	0.000	360.20	0.00	28.85	499.0	875.193
1	20.418	116.418	0.000	353.47	0.00	28.83	498.8	874.192
1	20.501	116.501	0.000	347.07	0.00	28.81	498.7	873.148
1	20.585	116.585	0.000	340.98	0.00	28.79	498.5	872.063
1	20.668	116.668	0.000	335.15	0.00	28.77	498.4	870.938
1	20.751	116.751	0.000	329.56	0.00	28.75	498.2	869.777
1	20.835	116.835	0.000	324.20	0.00	28.72	498.1	868.579
1	20.918	116.918	0.000	319.41	0.00	28.70	497.9	867.350
1	21.001	117.001	0.000	315.04	0.00	28.68	497.7	866.092
1	21.085	117.085	0.000	310.85	0.00	28.65	497.6	864.806
1	21.168	117.168	0.000	306.82	0.00	28.63	497.4	863.494
1	21.251	117.251	0.000	302.95	0.00	28.60	497.2	862.156
1	21.335	117.335	0.000	299.22	0.00	28.58	497.0	860.794
1	21.418	117.418	0.000	295.63	0.00	28.55	496.8	859.408
1	21.501	117.501	0.000	292.16	0.00	28.53	496.6	858.000
1	21.585	117.585	0.000	288.80	0.00	28.50	496.4	856.570
1	21.668	117.668	0.000	285.53	0.00	28.47	496.2	855.118
1	21.751	117.751	0.000	282.35	0.00	28.44	496.0	853.647
1	21.835	117.835	0.000	279.25	0.00	28.42	495.8	852.155
1	21.918	117.918	0.000	276.33	0.00	28.39	495.6	850.645
1	22.001	118.001	0.000	273.53	0.00	28.36	495.4	849.117
1	22.085	118.085	0.000	270.81	0.00	28.33	495.2	847.571

1	22.168	118.168	0.000	268.16	0.00	28.30	495.0	846.009
1	22.251	118.251	0.000	265.58	0.00	28.27	494.8	844.430
1	22.335	118.335	0.000	263.06	0.00	28.24	494.6	842.836
1	22.418	118.418	0.000	260.61	0.00	28.21	494.3	841.226
1	22.501	118.501	0.000	258.22	0.00	28.18	494.1	839.602
1	22.585	118.585	0.000	255.88	0.00	28.15	493.9	837.963
1	22.668	118.668	0.000	253.60	0.00	28.12	493.7	836.309
1	22.751	118.751	0.000	251.37	0.00	28.09	493.4	834.642
1	22.835	118.835	0.000	249.19	0.00	28.05	493.2	832.961
1	22.918	118.918	0.000	247.06	0.00	28.02	493.0	831.268
1	23.001	119.001	0.000	244.98	0.00	27.99	492.7	829.561
1	23.085	119.085	0.000	242.95	0.00	27.96	492.5	827.843
1	23.168	119.168	0.000	240.95	0.00	27.92	492.3	826.112
1	23.251	119.251	0.000	239.01	0.00	27.89	492.0	824.369
1	23.335	119.335	0.000	237.10	0.00	27.86	491.8	822.615
1	23.418	119.418	0.000	235.23	0.00	27.83	491.5	820.850
1	23.501	119.501	0.000	233.40	0.00	27.79	491.3	819.074
1	23.585	119.585	0.000	231.61	0.00	27.76	491.1	817.287
1	23.668	119.668	0.000	229.85	0.00	27.72	490.8	815.490
1	23.751	119.751	0.000	228.13	0.00	27.69	490.6	813.682
1	23.835	119.835	0.000	226.44	0.00	27.66	490.3	811.865
1	23.918	119.918	0.000	224.79	0.00	27.62	490.1	810.038
1	24.001	120.001	0.000	223.16	0.00	27.59	489.8	808.201
1	24.085	120.085	0.000	219.19	0.00	27.55	489.6	806.339
1	24.168	120.168	0.000	211.46	0.00	27.52	489.3	804.426
1	24.251	120.251	0.000	200.67	0.00	27.48	489.0	802.440
1	24.335	120.335	0.000	186.59	0.00	27.44	488.8	800.359
1	24.418	120.418	0.000	165.13	0.00	27.40	488.5	798.132
1	24.501	120.501	0.000	124.17	0.00	27.35	488.1	795.625
1	24.585	120.585	0.000	92.43	0.00	27.30	487.8	792.902
1	24.668	120.668	0.000	75.96	0.00	27.25	487.4	790.069
1	24.751	120.751	0.000	64.06	0.00	27.19	487.0	787.156
1	24.835	120.835	0.000	54.11	0.00	27.14	486.6	784.178
1	24.918	120.918	0.000	46.31	0.00	27.08	486.2	781.148
1	25.001	121.001	0.000	39.39	0.00	27.02	485.8	778.074
1	25.085	121.085	0.000	33.63	0.00	26.96	485.3	774.963
1	25.168	121.168	0.000	28.51	0.00	26.90	484.9	771.820
1	25.251	121.251	0.000	24.33	0.00	26.84	484.5	768.650
1	25.335	121.335	0.000	20.66	0.00	26.78	484.1	765.458
1	25.418	121.418	0.000	17.33	0.00	26.71	483.7	762.246
1	25.501	121.501	0.000	14.48	0.00	26.65	483.3	759.017
1	25.585	121.585	0.000	12.10	0.00	26.59	482.9	755.774
1	25.668	121.668	0.000	10.05	0.00	26.53	482.5	752.521
1	25.751	121.751	0.000	8.37	0.00	26.46	482.1	749.258
1	25.835	121.835	0.000	7.14	0.00	26.40	481.7	745.990
1	25.918	121.918	0.000	5.91	0.00	26.34	481.3	742.716
1	26.001	122.001	0.000	4.77	0.00	26.27	480.8	739.437
1	26.085	122.085	0.000	4.36	0.00	26.21	480.4	736.159
1	26.168	122.168	0.000	4.14	0.00	26.15	480.0	732.881
1	26.251	122.251	0.000	3.92	0.00	26.08	479.6	729.605
1	26.335	122.335	0.000	3.70	0.00	26.02	479.2	726.331
1	26.418	122.418	0.000	3.49	0.00	25.96	478.8	723.057
1	26.501	122.501	0.000	3.28	0.00	25.89	478.4	719.785
1	26.585	122.585	0.000	3.07	0.00	25.83	477.9	716.515
1	26.668	122.668	0.000	2.86	0.00	25.77	477.5	713.246
1	26.751	122.751	0.000	2.65	0.00	25.70	477.1	709.978
1	26.835	122.835	0.000	2.44	0.00	25.64	476.7	706.712
1	26.918	122.918	0.000	2.24	0.00	25.58	476.3	703.447
1	27.001	123.001	0.000	2.03	0.00	25.51	475.9	700.184
1	27.085	123.085	0.000	1.83	0.00	25.45	475.5	696.922
1	27.168	123.168	0.000	1.63	0.00	25.39	475.0	693.661
1	27.251	123.251	0.000	1.43	0.00	25.32	474.6	690.403
1	27.335	123.335	0.000	1.23	0.00	25.26	474.2	687.145
1	27.418	123.418	0.000	1.03	0.00	25.20	473.8	683.889
1	27.501	123.501	0.000	0.84	0.00	25.13	473.4	680.635
1	27.585	123.585	0.000	0.64	0.00	25.07	473.0	677.382
1	27.668	123.668	0.000	0.45	0.00	25.01	472.6	674.130
1	27.751	123.751	0.000	0.26	0.00	24.94	472.2	670.880

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 1  27.835 123.835        0.000     0.07     0.00     24.88    471.8    667.631
 1  27.918 123.918        0.000     0.00     0.00     24.81    471.4    664.385
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
--------------------------------------------------------------------------------
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1991.048 AF
    BASIN  STORAGE =      0.000 AF (WITH      0.000 AF INITIALLY FILLED)
    OUTFLOW VOLUME =   1991.047 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      125.0     250.0     375.0     500.0
--------------------------------------------------------------------------------
  96.000    463.6258    290.64  .        V.          .  Q      .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    465.6184    289.33  .        V.          .  Q      .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    467.6022    288.04  .        V.          .  Q      .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    469.5773    286.79  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    471.5442    285.59  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    473.5034    284.47  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    475.4557    283.48  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    477.4022    282.64  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    479.3437    281.90  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    481.2805    281.23  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    483.2130    280.60  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    485.1415    280.02  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    487.0663    279.47  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    488.9875    278.96  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    490.9053    278.47  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    492.8200    278.01  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    494.7316    277.57  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    496.6404    277.15  .        V.          . Q       .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    498.5463    276.74  .         V          . Q       .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    500.4489    276.26  .         V          . Q       .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    502.3477    275.70  .         V          . Q       .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    504.2427    275.15  .         V          . Q       .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    506.1341    274.62  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    508.0219    274.11  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    509.9063    273.62  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    511.7875    273.14  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    513.6654    272.68  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    515.5402    272.22  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    517.4120    271.78  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    519.2808    271.35  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    521.1468    270.94  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    523.0099    270.53  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    524.8704    270.14  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    526.7283    269.76  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    528.5836    269.39  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    530.4364    269.03  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    532.2869    268.68  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    534.1350    268.35  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    535.9810    268.03  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    537.8247    267.72  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    539.6664    267.42  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    541.5062    267.13  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    543.3440    266.85  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    545.1800    266.59  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    547.0143    266.34  .         V          .Q        .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    548.8469    266.10  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    550.6780    265.87  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    552.5075    265.65  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    554.3356    265.44  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.000)
 100.083    556.1624    265.25  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.083)
 100.167    557.9879    265.06  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.167)
 100.250    559.8122    264.88  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.250)
 100.333    561.6353    264.72  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.333)
 100.417    563.4574    264.56  .         .V         .Q        .         .
 (PEAK DAY 1, HOUR   4.417)
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 100.500    565.2784    264.42  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.500)
 100.583    567.0986    264.28  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.583)
 100.667    568.9178    264.16  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.667)
 100.750    570.7363    264.05  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.750)
 100.833    572.5541    263.94  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.833)
 100.917    574.3713    263.85  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   4.917)
 101.000    576.1879    263.77  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.000)
 101.083    578.0040    263.70  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.083)
 101.167    579.8196    263.64  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.167)
 101.250    581.6350    263.59  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.250)
 101.333    583.4501    263.55  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.333)
 101.417    585.2650    263.52  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.417)
 101.500    587.0797    263.50  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.500)
 101.583    588.8944    263.49  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.583)
 101.667    590.7091    263.50  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.667)
 101.750    592.5239    263.51  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.750)
 101.833    594.3389    263.54  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.833)
 101.917    596.1542    263.57  .         .V        .Q        .         .
(PEAK DAY 1, HOUR   5.917)
 102.000    597.9697    263.62  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.000)
 102.083    599.7857    263.68  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.083)
 102.167    601.6022    263.75  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.167)
 102.250    603.4192    263.83  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.250)
 102.333    605.2368    263.92  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.333)
 102.417    607.0551    264.02  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.417)
 102.500    608.8742    264.13  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.500)
 102.583    610.6942    264.26  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.583)
 102.667    612.5151    264.40  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.667)
 102.750    614.3370    264.54  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.750)
 102.833    616.1600    264.70  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.833)
 102.917    617.9842    264.87  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   6.917)
 103.000    619.8096    265.06  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.000)
 103.083    621.6364    265.25  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.083)
 103.167    623.4647    265.46  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.167)
 103.250    625.2944    265.68  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.250)
 103.333    627.1257    265.91  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.333)
 103.417    628.9587    266.15  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.417)
 103.500    630.7934    266.40  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.500)
 103.583    632.6299    266.67  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.583)
 103.667    634.4684    266.95  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.667)
 103.750    636.3090    267.24  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.750)
 103.833    638.1516    267.55  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.833)
 103.917    639.9963    267.86  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   7.917)
 104.000    641.8434    268.19  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   8.000)
 104.083    643.6928    268.54  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   8.083)
 104.167    645.5447    268.89  .         . V       .Q        .         .
(PEAK DAY 1, HOUR   8.167)
 104.250    647.3991    269.27  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.250)
 104.333    649.2562    269.65  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.333)
 104.417    651.1160    270.05  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.417)
 104.500    652.9786    270.46  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.500)
 104.583    654.8442    270.88  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.583)
 104.667    656.7128    271.32  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.667)
 104.750    658.5845    271.78  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.750)
 104.833    660.4595    272.24  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.833)
 104.917    662.3378    272.73  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   8.917)
 105.000    664.2195    273.23  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   9.000)
 105.083    666.1047    273.74  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   9.083)
 105.167    667.9937    274.27  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   9.167)
 105.250    669.8863    274.81  .         .  V      .Q        .         .
(PEAK DAY 1, HOUR   9.250)
 105.333    671.7828    275.37  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.333)
 105.417    673.6832    275.95  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.417)
 105.500    675.5873    276.48  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.500)
 105.583    677.4945    276.92  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.583)
 105.667    679.4045    277.33  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.667)
 105.750    681.3173    277.75  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.750)
 105.833    683.2332    278.18  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.833)
 105.917    685.1520    278.62  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR   9.917)
 106.000    687.0741    279.08  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.000)
 106.083    688.9994    279.55  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.083)
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 106.167    690.9280    280.04  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.167)
 106.250    692.8601    280.53  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.250)
 106.333    694.7957    281.05  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.333)
 106.417    696.7349    281.57  .         .  V      . Q       .         .
(PEAK DAY 1, HOUR  10.417)
 106.500    698.6779    282.11  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.500)
 106.583    700.6246    282.67  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.583)
 106.667    702.5753    283.24  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.667)
 106.750    704.5301    283.83  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.750)
 106.833    706.4890    284.43  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.833)
 106.917    708.4522    285.05  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  10.917)
 107.000    710.4197    285.69  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  11.000)
 107.083    712.3918    286.34  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  11.083)
 107.167    714.3685    287.01  .         .   V     . Q       .         .
(PEAK DAY 1, HOUR  11.167)
 107.250    716.3499    287.70  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.250)
 107.333    718.3361    288.41  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.333)
 107.417    720.3274    289.13  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.417)
 107.500    722.3238    289.88  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.500)
 107.583    724.3254    290.64  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.583)
 107.667    726.3325    291.43  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.667)
 107.750    728.3452    292.23  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.750)
 107.833    730.3635    293.06  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.833)
 107.917    732.3876    293.91  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  11.917)
 108.000    734.4178    294.78  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.000)
 108.083    736.4542    295.69  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.083)
 108.167    738.4971    296.63  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.167)
 108.250    740.5469    297.63  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.250)
 108.333    742.6041    298.70  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.333)
 108.417    744.6692    299.86  .         .   V     .  Q      .         .
(PEAK DAY 1, HOUR  12.417)
 108.500    746.7434    301.17  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.500)
 108.583    748.8278    302.66  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.583)
 108.667    750.9233    304.27  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.667)
 108.750    753.0305    305.96  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.750)
 108.833    755.1498    307.73  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.833)
 108.917    757.2809    309.43  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  12.917)
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 109.000    759.4232    311.06  .         .    V    .   Q     .         .
(PEAK DAY 1, HOUR  13.000)
 109.083    761.5770    312.73  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.083)
 109.167    763.7426    314.44  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.167)
 109.250    765.9203    316.21  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.250)
 109.333    768.1107    318.04  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.333)
 109.417    770.3140    319.92  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.417)
 109.500    772.5307    321.87  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.500)
 109.583    774.7615    323.91  .         .    V    .    Q    .         .
(PEAK DAY 1, HOUR  13.583)
 109.667    777.0068    326.03  .         .    V    .     Q   .         .
(PEAK DAY 1, HOUR  13.667)
 109.750    779.2675    328.25  .         .    V    .     Q   .         .
(PEAK DAY 1, HOUR  13.750)
 109.833    781.5441    330.57  .         .    V    .     Q   .         .
(PEAK DAY 1, HOUR  13.833)
 109.917    783.8375    332.99  .         .    V    .     Q   .         .
(PEAK DAY 1, HOUR  13.917)
 110.000    786.1483    335.53  .         .    V    .     Q   .         .
(PEAK DAY 1, HOUR  14.000)
 110.083    788.4755    337.90  .         .    V    .      Q  .         .
(PEAK DAY 1, HOUR  14.083)
 110.167    790.8152    339.74  .         .    V    .      Q  .         .
(PEAK DAY 1, HOUR  14.167)
 110.250    793.1661    341.35  .         .    V    .      Q  .         .
(PEAK DAY 1, HOUR  14.250)
 110.333    795.5292    343.12  .         .    V    .      Q  .         .
(PEAK DAY 1, HOUR  14.333)
 110.417    797.9060    345.11  .         .     V   .      Q  .         .
(PEAK DAY 1, HOUR  14.417)
 110.500    800.2986    347.41  .         .     V   .      Q  .         .
(PEAK DAY 1, HOUR  14.500)
 110.583    802.7097    350.08  .         .     V   .       Q .         .
(PEAK DAY 1, HOUR  14.583)
 110.667    805.1409    353.02  .         .     V   .       Q .         .
(PEAK DAY 1, HOUR  14.667)
 110.750    807.5938    356.16  .         .     V   .       Q .         .
(PEAK DAY 1, HOUR  14.750)
 110.833    810.0696    359.49  .         .     V   .       Q .         .
(PEAK DAY 1, HOUR  14.833)
 110.917    812.5696    362.99  .         .     V   .        Q.         .
(PEAK DAY 1, HOUR  14.917)
 111.000    815.0928    366.37  .         .     V   .        Q.         .
(PEAK DAY 1, HOUR  15.000)
 111.083    817.6376    369.51  .         .     V   .        Q.         .
(PEAK DAY 1, HOUR  15.083)
 111.167    820.2044    372.70  .         .     V   .        Q.         .
(PEAK DAY 1, HOUR  15.167)
 111.250    822.7942    376.03  .         .     V   .         Q         .
(PEAK DAY 1, HOUR  15.250)
 111.333    825.4080    379.52  .         .     V   .         Q         .
(PEAK DAY 1, HOUR  15.333)
 111.417    828.0467    383.15  .         .     V   .         Q         .
(PEAK DAY 1, HOUR  15.417)
 111.500    830.7112    386.89  .         .     V   .         Q         .
(PEAK DAY 1, HOUR  15.500)
 111.583    833.4018    390.67  .         .     V   .         .Q        .
(PEAK DAY 1, HOUR  15.583)
 111.667    836.1178    394.37  .         .     V   .         .Q        .
(PEAK DAY 1, HOUR  15.667)
 111.750    838.8589    398.00  .         .     V   .         .Q        .
(PEAK DAY 1, HOUR  15.750)
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111.833    841.6243    401.53  .          .     V   .          . Q        .
(PEAK DAY 1, HOUR  15.833)
111.917    844.4132    404.95  .          .     V   .          . Q        .
(PEAK DAY 1, HOUR  15.917)
112.000    847.2269    408.55  .          .      V  .          . Q        .
(PEAK DAY 1, HOUR  16.000)
112.083    850.0698    412.80  .          .      V  .          .  Q       .
(PEAK DAY 1, HOUR  16.083)
112.167    852.9480    417.91  .          .      V  .          .  Q       .
(PEAK DAY 1, HOUR  16.167)
112.250    855.8679    423.97  .          .      V  .          .  Q       .
(PEAK DAY 1, HOUR  16.250)
112.333    858.8379    431.24  .          .      V  .          .   Q      .
(PEAK DAY 1, HOUR  16.333)
112.417    861.8680    439.97  .          .      V  .          .    Q     .
(PEAK DAY 1, HOUR  16.417)
112.500    864.9730    450.84  .          .      V  .          .     Q    .
(PEAK DAY 1, HOUR  16.500)
112.583    868.1440    460.43  .          .      V  .          .     Q    .
(PEAK DAY 1, HOUR  16.583)
112.667    871.3514    465.72  .          .      V  .          .      Q   .
(PEAK DAY 1, HOUR  16.667)
112.750    874.5817    469.03  .          .      V  .          .      Q   .
(PEAK DAY 1, HOUR  16.750)
112.833    877.8322    471.98  .          .      V  .          .      Q   .
(PEAK DAY 1, HOUR  16.833)
112.917    881.1024    474.84  .          .      V  .          .      Q   .
(PEAK DAY 1, HOUR  16.917)
113.000    884.3914    477.56  .          .      V  .          .       Q  .
(PEAK DAY 1, HOUR  17.000)
113.083    887.6978    480.08  .          .      V  .          .       Q  .
(PEAK DAY 1, HOUR  17.083)
113.167    891.0200    482.39  .          .      V  .          .       Q  .
(PEAK DAY 1, HOUR  17.167)
113.250    894.3569    484.52  .          .      V  .          .       Q  .
(PEAK DAY 1, HOUR  17.250)
113.333    897.7076    486.53  .          .       V .          .       Q  .
(PEAK DAY 1, HOUR  17.333)
113.417    901.0715    488.42  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.417)
113.500    904.4468    490.10  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.500)
113.583    907.8320    491.53  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.583)
113.667    911.2258    492.77  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.667)
113.750    914.6270    493.86  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.750)
113.833    918.0346    494.80  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.833)
113.917    921.4479    495.62  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  17.917)
114.000    924.8663    496.35  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.000)
114.083    928.2889    496.96  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.083)
114.167    931.7149    497.46  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.167)
114.250    935.1439    497.89  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.250)
114.333    938.5754    498.27  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.333)
114.417    942.0093    498.60  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.417)
114.500    945.4451    498.87  .          .       V .          .        Q.
(PEAK DAY 1, HOUR  18.500)
114.583    948.8824    499.10  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  18.583)
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114.667    952.3210    499.27  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  18.667)
114.750    955.7605    499.42  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  18.750)
114.833    959.2008    499.53  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  18.833)
114.917    962.6417    499.62  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  18.917)
115.000    966.0831    499.69  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.000)
115.083    969.5249    499.74  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.083)
115.167    972.9669    499.78  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.167)
115.250    976.4091    499.80  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.250)
115.333    979.8512    499.80  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.333)
115.417    983.2933    499.80  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.417)
115.500    986.7354    499.78  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.500)
115.583    990.1772    499.75  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.583)
115.667    993.6188    499.72  .          .        V.          .        Q.
(PEAK DAY 1, HOUR  19.667)
115.750    997.0600    499.67  .          .         V          .        Q.
(PEAK DAY 1, HOUR  19.750)
115.833   1000.5009    499.61  .          .         V          .        Q.
(PEAK DAY 1, HOUR  19.833)
115.917   1003.9412    499.53  .          .         V          .        Q.
(PEAK DAY 1, HOUR  19.917)
116.000   1007.3808    499.44  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.000)
116.083   1010.8197    499.33  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.083)
116.167   1014.2578    499.21  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.167)
116.250   1017.6951    499.09  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.250)
116.333   1021.1315    498.96  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.333)
116.417   1024.5669    498.83  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.417)
116.500   1028.0013    498.69  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.500)
116.583   1031.4348    498.54  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.583)
116.667   1034.8673    498.39  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.667)
116.750   1038.2987    498.23  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.750)
116.833   1041.7290    498.07  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.833)
116.917   1045.1581    497.91  .          .         V          .        Q.
(PEAK DAY 1, HOUR  20.917)
117.000   1048.5861    497.73  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.000)
117.083   1052.0128    497.56  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.083)
117.167   1055.4384    497.38  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.167)
117.250   1058.8625    497.20  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.250)
117.333   1062.2855    497.01  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.333)
117.417   1065.7072    496.82  .          .         .V         .        Q.
(PEAK DAY 1, HOUR  21.417)
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 117.500   1069.1274    496.63  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.500)
 117.583   1072.5464    496.44  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.583)
 117.667   1075.9640    496.24  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.667)
 117.750   1079.3802    496.04  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.750)
 117.833   1082.7950    495.83  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.833)
 117.917   1086.2085    495.63  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  21.917)
 118.000   1089.6205    495.42  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  22.000)
 118.083   1093.0310    495.21  .         .         .V        .         Q.
(PEAK DAY 1, HOUR  22.083)
 118.167   1096.4401    494.99  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.167)
 118.250   1099.8477    494.78  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.250)
 118.333   1103.2537    494.56  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.333)
 118.417   1106.6582    494.34  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.417)
 118.500   1110.0613    494.12  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.500)
 118.583   1113.4628    493.89  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.583)
 118.667   1116.8627    493.67  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.667)
 118.750   1120.2610    493.44  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.750)
 118.833   1123.6577    493.21  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.833)
 118.917   1127.0529    492.98  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  22.917)
 119.000   1130.4464    492.74  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  23.000)
 119.083   1133.8384    492.51  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  23.083)
 119.167   1137.2286    492.27  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  23.167)
 119.250   1140.6173    492.03  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  23.250)
 119.333   1144.0043    491.79  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  23.333)
 119.417   1147.3896    491.55  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.417)
 119.500   1150.7733    491.31  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.500)
 119.583   1154.1553    491.06  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.583)
 119.667   1157.5355    490.81  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.667)
 119.750   1160.9141    490.57  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.750)
 119.833   1164.2909    490.32  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.833)
 119.917   1167.6660    490.07  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  23.917)
 120.000   1171.0394    489.82  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.000)
 120.083   1174.4110    489.56  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.083)
 120.167   1177.7809    489.30  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.167)
 120.250   1181.1489    489.03  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.250)
 120.333   1184.5150    488.75  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.333)
 120.417   1187.8790    488.46  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.417)
 120.500   1191.2408    488.13  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.500)
 120.583   1194.6002    487.77  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  24.583)
 120.667   1197.9569    487.39  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  24.667)
 120.750   1201.3109    487.00  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  24.750)
 120.833   1204.6621    486.59  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  24.833)
 120.917   1208.0105    486.18  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  24.917)
 121.000   1211.3560    485.76  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.000)
 121.083   1214.6986    485.34  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.083)
 121.167   1218.0385    484.94  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.167)
 121.250   1221.3755    484.54  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.250)
 121.333   1224.7097    484.14  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.333)
 121.417   1228.0413    483.73  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.417)
 121.500   1231.3700    483.32  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.500)
 121.583   1234.6958    482.91  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.583)
 121.667   1238.0188    482.50  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.667)
 121.750   1241.3390    482.09  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  25.750)
 121.833   1244.6562    481.67  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  25.833)
 121.917   1247.9707    481.26  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  25.917)
 122.000   1251.2823    480.84  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.000)
 122.083   1254.5911    480.43  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.083)
 122.167   1257.8970    480.01  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.167)
 122.250   1261.2000    479.60  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.250)
 122.333   1264.5001    479.18  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.333)
 122.417   1267.7974    478.77  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.417)
 122.500   1271.0918    478.35  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.500)
 122.583   1274.3834    477.94  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.583)
 122.667   1277.6721    477.52  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.667)
 122.750   1280.9580    477.11  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.750)
 122.833   1284.2410    476.69  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.833)
 122.917   1287.5211    476.28  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  26.917)
 123.000   1290.7985    475.87  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  27.000)
 123.083   1294.0729    475.45  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  27.083)
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 123.167   1297.3445    475.04  .         .         .     V   .       Q .
 (PEAK DAY 1, HOUR  27.167)
 123.250   1300.6133    474.62  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1303.8792    474.21  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1307.1422    473.80  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.417)
 123.500   1310.4025    473.39  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.500)
 123.583   1313.6599    472.97  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.583)
 123.667   1316.9144    472.56  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.667)
 123.750   1320.1663    472.16  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.750)
 123.833   1323.4154    471.78  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.833)
 123.917   1326.6620    471.41  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  27.917)
 124.000   1329.9060    471.03  .         .         .     V   .      Q  .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE   6311.00 IS CODE = 5.2
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  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  4741.3 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     408.00
           DOWNSTREAM ELEVATION(FT) =     382.00
           CHANNEL LENGTH(FT) =    2533.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =   499.80
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =   371.92
           CHANNEL NORMAL VELOCITY FOR Q =   371.92 CFS =   6.28 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.787

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.775


         CONVEX METHOD CHANNEL ROUTING RESULTS:
                                              OUTFLOW LESS
               CLOCK        INFLOW     ROUTED      LOSS
PEAK    TIME   TIME       (STREAM 1)    FLOW     (STREAM 1)
 DAY   (HRS)   (HRS)         (CFS)       (CFS)      (CFS)
  2   24.000  96.000       290.64      292.43      292.43
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1	0.083	96.083	289.33	291.10	291.10
1	0.167	96.167	288.04	289.79	289.79
1	0.250	96.250	286.79	288.49	288.49
1	0.333	96.333	285.59	287.23	287.23
1	0.417	96.417	284.47	286.02	286.02
1	0.500	96.500	283.48	284.87	284.87
1	0.583	96.583	282.64	283.83	283.83
1	0.667	96.667	281.90	282.94	282.94
1	0.750	96.750	281.23	282.17	282.17
1	0.833	96.833	280.60	281.47	281.47
1	0.917	96.917	280.02	280.83	280.83
1	1.000	97.000	279.47	280.23	280.23
1	1.083	97.083	278.96	279.67	279.67
1	1.167	97.167	278.47	279.14	279.14
1	1.250	97.250	278.01	278.64	278.64
1	1.333	97.333	277.57	278.17	278.17
1	1.417	97.417	277.15	277.72	277.72
1	1.500	97.500	276.74	277.29	277.29
1	1.583	97.583	276.26	276.88	276.88
1	1.667	97.667	275.70	276.43	276.43
1	1.750	97.750	275.15	275.89	275.89
1	1.833	97.833	274.62	275.35	275.35
1	1.917	97.917	274.11	274.81	274.81
1	2.000	98.000	273.62	274.29	274.29
1	2.083	98.083	273.14	273.79	273.79
1	2.167	98.167	272.68	273.31	273.31
1	2.250	98.250	272.22	272.84	272.84
1	2.333	98.333	271.78	272.38	272.38
1	2.417	98.417	271.35	271.94	271.94
1	2.500	98.500	270.94	271.51	271.51
1	2.583	98.583	270.53	271.08	271.08
1	2.667	98.667	270.14	270.67	270.67
1	2.750	98.750	269.76	270.28	270.28
1	2.833	98.833	269.39	269.89	269.89
1	2.917	98.917	269.03	269.52	269.52
1	3.000	99.000	268.68	269.16	269.16
1	3.083	99.083	268.35	268.81	268.81
1	3.167	99.167	268.03	268.47	268.47
1	3.250	99.250	267.72	268.14	268.14
1	3.333	99.333	267.42	267.83	267.83
1	3.417	99.417	267.13	267.52	267.52
1	3.500	99.500	266.85	267.23	267.23
1	3.583	99.583	266.59	266.95	266.95
1	3.667	99.667	266.34	266.68	266.68
1	3.750	99.750	266.10	266.43	266.43
1	3.833	99.833	265.87	266.18	266.18
1	3.917	99.917	265.65	265.95	265.95
1	4.000	100.000	265.44	265.73	265.73
1	4.083	100.083	265.25	265.52	265.52
1	4.167	100.167	265.06	265.32	265.32
1	4.250	100.250	264.88	265.13	265.13
1	4.333	100.333	264.72	264.95	264.95
1	4.417	100.417	264.56	264.78	264.78
1	4.500	100.500	264.42	264.62	264.62
1	4.583	100.583	264.28	264.47	264.47
1	4.667	100.667	264.16	264.33	264.33
1	4.750	100.750	264.05	264.20	264.20
1	4.833	100.833	263.94	264.09	264.09
1	4.917	100.917	263.85	263.98	263.98
1	5.000	101.000	263.77	263.88	263.88
1	5.083	101.083	263.70	263.80	263.80
1	5.167	101.167	263.64	263.72	263.72
1	5.250	101.250	263.59	263.66	263.66
1	5.333	101.333	263.55	263.61	263.61
1	5.417	101.417	263.52	263.56	263.56
1	5.500	101.500	263.50	263.53	263.53
1	5.583	101.583	263.49	263.51	263.51
1	5.667	101.667	263.50	263.50	263.50

1	5.750	101.750	263.51	263.50	263.50
1	5.833	101.833	263.54	263.51	263.51
1	5.917	101.917	263.57	263.53	263.53
1	6.000	102.000	263.62	263.56	263.56
1	6.083	102.083	263.68	263.61	263.61
1	6.167	102.167	263.75	263.66	263.66
1	6.250	102.250	263.83	263.72	263.72
1	6.333	102.333	263.92	263.80	263.80
1	6.417	102.417	264.02	263.89	263.89
1	6.500	102.500	264.13	263.99	263.99
1	6.583	102.583	264.26	264.10	264.10
1	6.667	102.667	264.40	264.22	264.22
1	6.750	102.750	264.54	264.35	264.35
1	6.833	102.833	264.70	264.49	264.49
1	6.917	102.917	264.87	264.65	264.65
1	7.000	103.000	265.06	264.82	264.82
1	7.083	103.083	265.25	264.99	264.99
1	7.167	103.167	265.46	265.18	265.18
1	7.250	103.250	265.68	265.39	265.39
1	7.333	103.333	265.91	265.60	265.60
1	7.417	103.417	266.15	265.83	265.83
1	7.500	103.500	266.40	266.07	266.07
1	7.583	103.583	266.67	266.32	266.32
1	7.667	103.667	266.95	266.58	266.58
1	7.750	103.750	267.24	266.85	266.85
1	7.833	103.833	267.55	267.14	267.14
1	7.917	103.917	267.86	267.44	267.44
1	8.000	104.000	268.19	267.75	267.75
1	8.083	104.083	268.54	268.08	268.08
1	8.167	104.167	268.89	268.42	268.42
1	8.250	104.250	269.27	268.77	268.77
1	8.333	104.333	269.65	269.14	269.14
1	8.417	104.417	270.05	269.52	269.52
1	8.500	104.500	270.46	269.91	269.91
1	8.583	104.583	270.88	270.32	270.32
1	8.667	104.667	271.32	270.74	270.74
1	8.750	104.750	271.78	271.17	271.17
1	8.833	104.833	272.24	271.62	271.62
1	8.917	104.917	272.73	272.08	272.08
1	9.000	105.000	273.23	272.56	272.56
1	9.083	105.083	273.74	273.05	273.05
1	9.167	105.167	274.27	273.56	273.56
1	9.250	105.250	274.81	274.08	274.08
1	9.333	105.333	275.37	274.62	274.62
1	9.417	105.417	275.95	275.18	275.18
1	9.500	105.500	276.48	275.75	275.75
1	9.583	105.583	276.92	276.29	276.29
1	9.667	105.667	277.33	276.76	276.76
1	9.750	105.750	277.75	277.18	277.18
1	9.833	105.833	278.18	277.60	277.60
1	9.917	105.917	278.62	278.03	278.03
1	10.000	106.000	279.08	278.47	278.47
1	10.083	106.083	279.55	278.92	278.92
1	10.167	106.167	280.04	279.39	279.39
1	10.250	106.250	280.53	279.87	279.87
1	10.333	106.333	281.05	280.36	280.36
1	10.417	106.417	281.57	280.87	280.87
1	10.500	106.500	282.11	281.39	281.39
1	10.583	106.583	282.67	281.93	281.93
1	10.667	106.667	283.24	282.48	282.48
1	10.750	106.750	283.83	283.04	283.04
1	10.833	106.833	284.43	283.63	283.63
1	10.917	106.917	285.05	284.22	284.22
1	11.000	107.000	285.69	284.84	284.84
1	11.083	107.083	286.34	285.47	285.47
1	11.167	107.167	287.01	286.12	286.12
1	11.250	107.250	287.70	286.78	286.78
1	11.333	107.333	288.41	287.46	287.46
1	11.417	107.417	289.13	288.16	288.16
1	11.500	107.500	289.88	288.88	288.88
1	11.583	107.583	290.64	289.62	289.62
1	11.667	107.667	291.43	290.38	290.38
1	11.750	107.750	292.23	291.16	291.16
1	11.833	107.833	293.06	291.96	291.96
1	11.917	107.917	293.91	292.78	292.78
1	12.000	108.000	294.78	293.62	293.62
1	12.083	108.083	295.69	294.48	294.48
1	12.167	108.167	296.63	295.37	295.37
1	12.250	108.250	297.63	296.30	296.30
1	12.333	108.333	298.70	297.28	297.28
1	12.417	108.417	299.86	298.33	298.33
1	12.500	108.500	301.17	299.46	299.46
1	12.583	108.583	302.66	300.73	300.73
1	12.667	108.667	304.27	302.16	302.16
1	12.750	108.750	305.96	303.72	303.72
1	12.833	108.833	307.73	305.38	305.38
1	12.917	108.917	309.43	307.12	307.12
1	13.000	109.000	311.06	308.84	308.84
1	13.083	109.083	312.73	310.49	310.49
1	13.167	109.167	314.44	312.15	312.15
1	13.250	109.250	316.21	313.85	313.85
1	13.333	109.333	318.04	315.60	315.60
1	13.417	109.417	319.92	317.41	317.41
1	13.500	109.500	321.87	319.27	319.27
1	13.583	109.583	323.91	321.20	321.20
1	13.667	109.667	326.03	323.21	323.21
1	13.750	109.750	328.25	325.30	325.30
1	13.833	109.833	330.57	327.48	327.48
1	13.917	109.917	332.99	329.77	329.77
1	14.000	110.000	335.53	332.16	332.16
1	14.083	110.083	337.90	334.66	334.66
1	14.167	110.167	339.74	337.06	337.06
1	14.250	110.250	341.35	339.05	339.05
1	14.333	110.333	343.12	340.76	340.76
1	14.417	110.417	345.11	342.51	342.51
1	14.500	110.500	347.41	344.43	344.43
1	14.583	110.583	350.08	346.64	346.64
1	14.667	110.667	353.02	349.18	349.18
1	14.750	110.750	356.16	352.02	352.02
1	14.833	110.833	359.49	355.09	355.09
1	14.917	110.917	362.99	358.35	358.35
1	15.000	111.000	366.37	361.79	361.79
1	15.083	111.083	369.51	365.18	365.18
1	15.167	111.167	372.70	368.40	368.40
1	15.250	111.250	376.03	371.59	371.59
1	15.333	111.333	379.52	374.88	374.88
1	15.417	111.417	383.15	378.32	378.32
1	15.500	111.500	386.89	381.90	381.90
1	15.583	111.583	390.67	385.60	385.60
1	15.667	111.667	394.37	389.36	389.36
1	15.750	111.750	398.00	393.07	393.07
1	15.833	111.833	401.53	396.73	396.73
1	15.917	111.917	404.95	400.29	400.29
1	16.000	112.000	408.55	403.75	403.75
1	16.083	112.083	412.80	407.31	407.31
1	16.167	112.167	417.91	411.37	411.37
1	16.250	112.250	423.97	416.21	416.21
1	16.333	112.333	431.24	421.95	421.95
1	16.417	112.417	439.97	428.82	428.82
1	16.500	112.500	450.84	437.07	437.07
1	16.583	112.583	460.43	447.25	447.25
1	16.667	112.667	465.72	457.03	457.03
1	16.750	112.750	469.03	463.53	463.53
1	16.833	112.833	471.98	467.64	467.64
1	16.917	112.917	474.84	470.87	470.87
1	17.000	113.000	477.56	473.82	473.82

1	17.083	113.083	480.08	476.60	476.60
1	17.167	113.167	482.39	479.18	479.18
1	17.250	113.250	484.52	481.57	481.57
1	17.333	113.333	486.53	483.76	483.76
1	17.417	113.417	488.42	485.81	485.81
1	17.500	113.500	490.10	487.75	487.75
1	17.583	113.583	491.53	489.50	489.50
1	17.667	113.667	492.77	491.01	491.01
1	17.750	113.750	493.86	492.32	492.32
1	17.833	113.833	494.80	493.46	493.46
1	17.917	113.917	495.62	494.45	494.45
1	18.000	114.000	496.35	495.32	495.32
1	18.083	114.083	496.96	496.08	496.08
1	18.167	114.167	497.46	496.73	496.73
1	18.250	114.250	497.89	497.27	497.27
1	18.333	114.333	498.27	497.73	497.73
1	18.417	114.417	498.60	498.13	498.13
1	18.500	114.500	498.87	498.48	498.48
1	18.583	114.583	499.10	498.77	498.77
1	18.667	114.667	499.27	499.01	499.01
1	18.750	114.750	499.42	499.21	499.21
1	18.833	114.833	499.53	499.36	499.36
1	18.917	114.917	499.62	499.49	499.49
1	19.000	115.000	499.69	499.59	499.59
1	19.083	115.083	499.74	499.67	499.67
1	19.167	115.167	499.78	499.72	499.72
1	19.250	115.250	499.80	499.76	499.76
1	19.333	115.333	499.80	499.79	499.79
1	19.417	115.417	499.80	499.80	499.80
1	19.500	115.500	499.78	499.80	499.80
1	19.583	115.583	499.75	499.79	499.79
1	19.667	115.667	499.72	499.76	499.76
1	19.750	115.750	499.67	499.73	499.73
1	19.833	115.833	499.61	499.68	499.68
1	19.917	115.917	499.53	499.63	499.63
1	20.000	116.000	499.44	499.56	499.56
1	20.083	116.083	499.33	499.47	499.47
1	20.167	116.167	499.21	499.37	499.37
1	20.250	116.250	499.09	499.25	499.25
1	20.333	116.333	498.96	499.13	499.13
1	20.417	116.417	498.83	499.01	499.01
1	20.500	116.500	498.69	498.88	498.88
1	20.583	116.583	498.54	498.74	498.74
1	20.667	116.667	498.39	498.59	498.59
1	20.750	116.750	498.23	498.44	498.44
1	20.833	116.833	498.07	498.29	498.29
1	20.917	116.917	497.91	498.13	498.13
1	21.000	117.000	497.73	497.96	497.96
1	21.083	117.083	497.56	497.79	497.79
1	21.167	117.167	497.38	497.62	497.62
1	21.250	117.250	497.20	497.44	497.44
1	21.333	117.333	497.01	497.26	497.26
1	21.417	117.417	496.82	497.08	497.08
1	21.500	117.500	496.63	496.89	496.89
1	21.583	117.583	496.44	496.70	496.70
1	21.667	117.667	496.24	496.50	496.50
1	21.750	117.750	496.04	496.31	496.31
1	21.833	117.833	495.83	496.11	496.11
1	21.917	117.917	495.63	495.91	495.91
1	22.000	118.000	495.42	495.70	495.70
1	22.083	118.083	495.21	495.49	495.49
1	22.167	118.167	494.99	495.28	495.28
1	22.250	118.250	494.78	495.07	495.07
1	22.333	118.333	494.56	494.85	494.85
1	22.417	118.417	494.34	494.64	494.64
1	22.500	118.500	494.12	494.42	494.42
1	22.583	118.583	493.89	494.20	494.20
1	22.667	118.667	493.67	493.97	493.97
1	22.750	118.750	493.44	493.75	493.75
1	22.833	118.833	493.21	493.52	493.52
1	22.917	118.917	492.98	493.29	493.29
1	23.000	119.000	492.74	493.06	493.06
1	23.083	119.083	492.51	492.82	492.82
1	23.167	119.167	492.27	492.59	492.59
1	23.250	119.250	492.03	492.35	492.35
1	23.333	119.333	491.79	492.11	492.11
1	23.417	119.417	491.55	491.88	491.88
1	23.500	119.500	491.31	491.63	491.63
1	23.583	119.583	491.06	491.39	491.39
1	23.667	119.667	490.81	491.15	491.15
1	23.750	119.750	490.57	490.90	490.90
1	23.833	119.833	490.32	490.65	490.65
1	23.917	119.917	490.07	490.40	490.40
1	24.000	120.000	489.82	490.15	490.15
1	24.083	120.083	489.56	489.90	489.90
1	24.167	120.167	489.30	489.65	489.65
1	24.250	120.250	489.03	489.39	489.39
1	24.333	120.333	488.75	489.13	489.13
1	24.417	120.417	488.46	488.85	488.85
1	24.500	120.500	488.13	488.56	488.56
1	24.583	120.583	487.77	488.24	488.24
1	24.667	120.667	487.39	487.90	487.90
1	24.750	120.750	487.00	487.52	487.52
1	24.833	120.833	486.59	487.13	487.13
1	24.917	120.917	486.18	486.73	486.73
1	25.000	121.000	485.76	486.32	486.32
1	25.083	121.083	485.34	485.90	485.90
1	25.167	121.167	484.94	485.49	485.49
1	25.250	121.250	484.54	485.08	485.08
1	25.333	121.333	484.14	484.68	484.68
1	25.417	121.417	483.73	484.28	484.28
1	25.500	121.500	483.32	483.87	483.87
1	25.583	121.583	482.91	483.47	483.47
1	25.667	121.667	482.50	483.06	483.06
1	25.750	121.750	482.09	482.65	482.65
1	25.833	121.833	481.67	482.23	482.23
1	25.917	121.917	481.26	481.82	481.82
1	26.000	122.000	480.84	481.40	481.40
1	26.083	122.083	480.43	480.99	480.99
1	26.167	122.167	480.01	480.57	480.57
1	26.250	122.250	479.60	480.16	480.16
1	26.333	122.333	479.18	479.74	479.74
1	26.417	122.417	478.77	479.33	479.33
1	26.500	122.500	478.35	478.91	478.91
1	26.583	122.583	477.94	478.50	478.50
1	26.667	122.667	477.52	478.08	478.08
1	26.750	122.750	477.11	477.67	477.67
1	26.833	122.833	476.69	477.25	477.25
1	26.917	122.917	476.28	476.84	476.84
1	27.000	123.000	475.87	476.42	476.42
1	27.083	123.083	475.45	476.01	476.01
1	27.167	123.167	475.04	475.60	475.60
1	27.250	123.250	474.62	475.18	475.18
1	27.333	123.333	474.21	474.77	474.77
1	27.417	123.417	473.80	474.36	474.36
1	27.500	123.500	473.39	473.94	473.94
1	27.583	123.583	472.97	473.53	473.53
1	27.667	123.667	472.56	473.12	473.12
1	27.750	123.750	472.16	472.70	472.70
1	27.833	123.833	471.78	472.30	472.30
1	27.917	123.917	471.41	471.92	471.92
1	28.000	124.000	471.03	471.54	471.54

Note: Computed Hydrograph continues past two days after the peak day of the design storm.

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PROCESS SUMMARY OF STORAGE:

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    INFLOW  VOLUME =   1991.046 AF
    OUTFLOW VOLUME =   1991.045 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6300.00 TO NODE   6311.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   299.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

     (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     299.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.250 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
        VALLEY(UNDEVELOPED)/DESERT:
                "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.260|   0.260|   0.260|   0.260|   0.260|
        | LOW LOSS FRACTION |   0.500|   0.730|   0.930|   0.990|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.987
         30-MINUTE FACTOR = 0.987
          1-HOUR FACTOR = 0.987
          3-HOUR FACTOR = 0.998
          6-HOUR FACTOR = 0.999
         24-HOUR FACTOR = 0.999

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333


        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
        MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


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                     UNIT HYDROGRAPH DETERMINATION

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    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
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1	3.852	139.411
2	18.445	528.231
3	39.624	766.604
4	55.845	587.160
5	64.124	299.680
6	70.038	214.036
7	74.639	166.538
8	78.230	130.017
9	81.158	105.957
10	83.587	87.936
11	85.638	74.235
12	87.267	58.971
13	88.619	48.932
14	89.699	39.084
15	90.702	36.306
16	91.629	33.565
17	92.506	31.749
18	93.325	29.632
19	94.080	27.335
20	94.768	24.914
21	95.424	23.727
22	95.971	19.796
23	96.509	19.477
24	97.020	18.507
25	97.406	13.985
26	97.766	13.021
27	98.126	13.018
28	98.458	12.019
29	98.594	4.931
30	98.692	3.557
31	98.791	3.557
32	98.889	3.550
33	98.987	3.557
34	99.085	3.551
35	99.183	3.557
36	99.281	3.550
37	99.380	3.550
38	99.478	3.550
39	99.576	3.550
40	99.674	3.550
41	99.772	3.550
42	99.870	3.550
43	99.968	3.550
44	100.000	1.157

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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     162.2768
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     126.0595
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 175.0 350.0 525.0 700.0
96.000	32.8756	3.82	Q V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	32.9046	4.22	Q V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	32.9446	5.81	Q V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	33.0007	8.14	Q V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	33.0691	9.93	Q V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	33.1439	10.86	Q V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	33.2233	11.53	Q V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	33.3064	12.07	Q V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	33.3925	12.50	Q V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	33.4810	12.85	Q V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	33.5716	13.16	Q V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	33.6640	13.42	Q V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	33.7579	13.64	Q V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	33.8532	13.83	Q V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	33.9496	13.99	Q V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	34.0470	14.15	Q V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	34.1455	14.30	Q V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	34.2449	14.44	Q V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	34.3453	14.58	Q V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	34.4466	14.71	Q V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	34.5487	14.83	Q V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	34.6517	14.96	Q V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	34.7555	15.07	Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	34.8601	15.18	Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	34.9654	15.29	Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	35.0714	15.39	Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	35.1780	15.48	Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	35.2853	15.58	Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	35.3933	15.67	Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	35.5017	15.75	Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	35.6106	15.81	Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	35.7200	15.88	Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	35.8299	15.95	Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	35.9403	16.03	Q .V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	36.0511	16.10	Q .V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	36.1625	16.17	Q .V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	36.2744	16.24	Q .V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	36.3867	16.32	Q .V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	36.4996	16.39	Q .V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	36.6130	16.47	Q .V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	36.7270	16.54	Q .V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	36.8414	16.62	Q .V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	36.9564	16.70	Q .V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	37.0720	16.78	Q .V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	37.1880	16.85	Q .V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	37.3045	16.92	Q .V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	37.4215	16.99	Q .V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	37.5390	17.06	Q .V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	37.6569	17.13	Q .V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	37.7754	17.20	Q .V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	37.8943	17.27	Q . V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	38.0138	17.35	Q . V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	38.1338	17.42	Q . V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	38.2543	17.50	Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	38.3753	17.57	.Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	38.4969	17.65	.Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	38.6190	17.73	.Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	38.7416	17.81	.Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	38.8648	17.89	.Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	38.9885	17.97	.Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	39.1128	18.05	.Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	39.2377	18.13	.Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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101.167     39.3632     18.22  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250     39.4892     18.30  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333     39.6158     18.39  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417     39.7430     18.47  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500     39.8709     18.56  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583     39.9993     18.65  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667     40.1283     18.74  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750     40.2580     18.83  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833     40.3883     18.92  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917     40.5193     19.02  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000     40.6509     19.11  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083     40.7832     19.21  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167     40.9161     19.30  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250     41.0497     19.40  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333     41.1841     19.50  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417     41.3191     19.60  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500     41.4548     19.71  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583     41.5912     19.81  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667     41.7283     19.91  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750     41.8662     20.02  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833     42.0048     20.13  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917     42.1442     20.24  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000     42.2844     20.35  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083     42.4253     20.46  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167     42.5670     20.58  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250     42.7096     20.69  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333     42.8529     20.81  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417     42.9970     20.93  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500     43.1420     21.05  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583     43.2879     21.18  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667     43.4346     21.30  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750     43.5822     21.43  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833     43.7307     21.56  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917     43.8801     21.69  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.917)
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104.000     44.0304     21.82  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083     44.1816     21.96  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167     44.3338     22.10  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250     44.4869     22.24  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333     44.6411     22.38  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417     44.7962     22.52  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500     44.9523     22.67  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583     45.1095     22.82  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667     45.2677     22.97  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750     45.4270     23.13  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833     45.5874     23.29  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917     45.7489     23.45  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000     45.9115     23.61  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083     46.0752     23.78  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167     46.2402     23.95  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250     46.4063     24.12  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333     46.5736     24.30  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417     46.7422     24.48  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500     46.9120     24.66  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583     47.0831     24.85  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667     47.2556     25.04  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750     47.4293     25.23  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833     47.6045     25.43  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917     47.7810     25.63  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000     47.9590     25.84  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083     48.1383     26.05  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167     48.3192     26.26  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250     48.5016     26.48  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333     48.6856     26.71  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417     48.8711     26.94  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500     49.0583     27.18  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583     49.2471     27.42  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667     49.4376     27.66  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750     49.6299     27.91  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.750)
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106.833     49.8239     28.17  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917     50.0198     28.44  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000     50.2175     28.71  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083     50.4171     28.99  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167     50.6187     29.27  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250     50.8223     29.57  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333     51.0280     29.87  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417     51.2359     30.17  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500     51.4459     30.49  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583     51.6581     30.82  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667     51.8727     31.15  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750     52.0896     31.50  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833     52.3090     31.85  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917     52.5309     32.22  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000     52.7554     32.60  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083     52.9850     33.34  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167     53.2266     35.09  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250     53.4846     37.46  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333     53.7559     39.39  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417     54.0356     40.62  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500     54.3224     41.64  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583     54.6155     42.56  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667     54.9144     43.40  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750     55.2188     44.20  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833     55.5286     44.98  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917     55.8436     45.74  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000     56.1638     46.49  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083     56.4890     47.23  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167     56.8194     47.97  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250     57.1551     48.73  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333     57.4961     49.52  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417     57.8427     50.33  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500     58.1951     51.16  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583     58.5534     52.03  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.583)
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109.667     58.9178     52.92  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750     59.2887     53.85  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833     59.6663     54.82  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917     60.0508     55.83  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  13.917)
110.000     60.4427     56.90  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.000)
110.083     60.8424     58.05  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.083)
110.167     61.2514     59.39  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.167)
110.250     61.6706     60.87  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.250)
110.333     62.1002     62.37  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.333)
110.417     62.5398     63.84  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.417)
110.500     62.9900     65.37  . Q       .        V.         .         .
(PEAK DAY 1, HOUR  14.500)
110.583     63.4513     66.98  . Q       .         V         .         .
(PEAK DAY 1, HOUR  14.583)
110.667     63.9245     68.71  . Q       .         V         .         .
(PEAK DAY 1, HOUR  14.667)
110.750     64.4112     70.66  .  Q       .         V         .         .
(PEAK DAY 1, HOUR  14.750)
110.833     64.9150     73.15  .  Q       .         V         .         .
(PEAK DAY 1, HOUR  14.833)
110.917     65.4407     76.34  .  Q       .         V         .         .
(PEAK DAY 1, HOUR  14.917)
111.000     65.9935     80.25  .  Q       .         V         .         .
(PEAK DAY 1, HOUR  15.000)
111.083     66.5774     84.78  .  Q       .         .V        .         .
(PEAK DAY 1, HOUR  15.083)
111.167     67.1973     90.01  .   Q       .         .V        .         .
(PEAK DAY 1, HOUR  15.167)
111.250     67.8580     95.94  .   Q       .         .V        .         .
(PEAK DAY 1, HOUR  15.250)
111.333     68.5659    102.79  .   Q       .         .V        .         .
(PEAK DAY 1, HOUR  15.333)
111.417     69.3190    109.35  .    Q       .         .V        .         .
(PEAK DAY 1, HOUR  15.417)
111.500     70.1017    113.65  .    Q       .         . V       .         .
(PEAK DAY 1, HOUR  15.500)
111.583     70.9099    117.35  .    Q       .         . V       .         .
(PEAK DAY 1, HOUR  15.583)
111.667     71.7709    125.02  .     Q       .         . V       .         .
(PEAK DAY 1, HOUR  15.667)
111.750     72.7266    138.77  .     Q       .         .  V      .         .
(PEAK DAY 1, HOUR  15.750)
111.833     73.8217    159.00  .       Q.        .         .  V      .         .
(PEAK DAY 1, HOUR  15.833)
111.917     75.1262    189.42  .        Q        .         .  V      .         .
(PEAK DAY 1, HOUR  15.917)
112.000     76.7812    240.31  .         .  Q      .         .   V     .         .
(PEAK DAY 1, HOUR  16.000)
112.083     79.3056    366.54  .         .        Q    V    .         .
(PEAK DAY 1, HOUR  16.083)
112.167     83.2784    576.85  .         .        .     V   . Q       .
(PEAK DAY 1, HOUR  16.167)
112.250     87.9056    671.87  .         .        .      V  .       Q .
(PEAK DAY 1, HOUR  16.250)
112.333     91.7172    553.44  .         .        .        V.Q       .
(PEAK DAY 1, HOUR  16.333)
112.417     94.3714    385.40  .         .        . Q      V.        .
(PEAK DAY 1, HOUR  16.417)
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112.500     96.5294    313.35  .          .      Q  .         V         .
(PEAK DAY 1, HOUR  16.500)
112.583     98.3808    268.82  .          .    Q    .         .V        .
(PEAK DAY 1, HOUR  16.583)
112.667     99.9869    233.20  .          .  Q      .         .V        .
(PEAK DAY 1, HOUR  16.667)
112.750    101.3946    204.39  .         .Q         .         . V       .
(PEAK DAY 1, HOUR  16.750)
112.833    102.6383    180.59  .         Q          .         . V       .
(PEAK DAY 1, HOUR  16.833)
112.917    103.7472    161.01  .        Q.          .         . V       .
(PEAK DAY 1, HOUR  16.917)
113.000    104.7342    143.32  .       Q .          .         .  V      .
(PEAK DAY 1, HOUR  17.000)
113.083    105.6298    130.03  .      Q  .          .         .  V      .
(PEAK DAY 1, HOUR  17.083)
113.167    106.4471    118.67  .     Q   .          .         .  V      .
(PEAK DAY 1, HOUR  17.167)
113.250    107.2151    111.51  .     Q   .          .         .   V     .
(PEAK DAY 1, HOUR  17.250)
113.333    107.9404    105.32  .     Q   .          .         .   V     .
(PEAK DAY 1, HOUR  17.333)
113.417    108.6304    100.18  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.417)
113.500    109.2865     95.26  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.500)
113.583    109.9104     90.59  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.583)
113.667    110.5035     86.13  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  17.667)
113.750    111.0709     82.38  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  17.750)
113.833    111.6069     77.82  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  17.833)
113.917    112.1224     74.86  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  17.917)
114.000    112.6157     71.63  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  18.000)
114.083    113.0756     66.78  .  Q      .          .         .    V    .
(PEAK DAY 1, HOUR  18.083)
114.167    113.5071     62.65  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.167)
114.250    113.9085     58.29  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.250)
114.333    114.2791     53.80  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.333)
114.417    114.6084     47.83  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.417)
114.500    114.9178     44.92  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.500)
114.583    115.2148     43.12  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.583)
114.667    115.5015     41.63  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.667)
114.750    115.7791     40.30  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.750)
114.833    116.0483     39.09  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.833)
114.917    116.3100     38.00  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.917)
115.000    116.5650     37.02  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  19.000)
115.083    116.8138     36.13  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.083)
115.167    117.0569     35.29  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.167)
115.250    117.2943     34.47  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.250)
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115.333    117.5261     33.65  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.333)
115.417    117.7521     32.82  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.417)
115.500    117.9719     31.91  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.500)
115.583    118.1844     30.86  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.583)
115.667    118.3832     28.87  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.667)
115.750    118.5730     27.55  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.750)
115.833    118.7582     26.88  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.833)
115.917    118.9394     26.31  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.917)
116.000    119.1169     25.78  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.000)
116.083    119.2911     25.29  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.083)
116.167    119.4621     24.83  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.167)
116.250    119.6301     24.40  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.250)
116.333    119.7954     24.00  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.333)
116.417    119.9582     23.64  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.417)
116.500    120.1186     23.29  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.500)
116.583    120.2767     22.96  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.583)
116.667    120.4326     22.64  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.667)
116.750    120.5864     22.33  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.750)
116.833    120.7382     22.03  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.833)
116.917    120.8879     21.75  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.917)
117.000    121.0358     21.47  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.000)
117.083    121.1818     21.20  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.083)
117.167    121.3261     20.94  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.167)
117.250    121.4686     20.69  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.250)
117.333    121.6094     20.45  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.333)
117.417    121.7486     20.21  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.417)
117.500    121.8862     19.98  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.500)
117.583    122.0223     19.76  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.583)
117.667    122.1569     19.55  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.667)
117.750    122.2902     19.34  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.750)
117.833    122.4220     19.15  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.833)
117.917    122.5526     18.96  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.917)
118.000    122.6818     18.77  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  22.000)
118.083    122.8099     18.59  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  22.083)
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 118.167    122.9367     18.41  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.167)
 118.250    123.0623     18.24  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.250)
 118.333    123.1867     18.07  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.333)
 118.417    123.3100     17.90  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.417)
 118.500    123.4322     17.74  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.500)
 118.583    123.5533     17.59  .Q         .         .         .         V.
 (PEAK DAY 1, HOUR  22.583)
 118.667    123.6734     17.43  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  22.667)
 118.750    123.7924     17.28  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  22.750)
 118.833    123.9104     17.14  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  22.833)
 118.917    124.0275     16.99  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  22.917)
 119.000    124.1436     16.85  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.000)
 119.083    124.2587     16.72  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.083)
 119.167    124.3729     16.58  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.167)
 119.250    124.4862     16.45  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.250)
 119.333    124.5986     16.32  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.333)
 119.417    124.7101     16.20  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.417)
 119.500    124.8208     16.07  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.500)
 119.583    124.9307     15.95  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.583)
 119.667    125.0397     15.83  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.667)
 119.750    125.1480     15.72  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.750)
 119.833    125.2554     15.60  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.833)
 119.917    125.3621     15.49  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  23.917)
 120.000    125.4680     15.38  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.000)
 120.083    125.5693     14.71  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.083)
 120.167    125.6552     12.46  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.167)
 120.250    125.7190      9.27  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.250)
 120.333    125.7661      6.83  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.333)
 120.417    125.8044      5.57  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.417)
 120.500    125.8365      4.66  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.500)
 120.583    125.8637      3.95  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.583)
 120.667    125.8871      3.40  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.667)
 120.750    125.9073      2.94  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.750)
 120.833    125.9250      2.56  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.833)
 120.917    125.9405      2.25  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  24.917)
 121.000    125.9542      1.99  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.000)
 121.083    125.9664      1.78  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.083)
 121.167    125.9775      1.61  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.167)
 121.250    125.9874      1.45  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.250)
 121.333    125.9964      1.30  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.333)
 121.417    126.0044      1.16  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.417)
 121.500    126.0116      1.04  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.500)
 121.583    126.0179      0.92  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.583)
 121.667    126.0234      0.81  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.667)
 121.750    126.0283      0.71  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.750)
 121.833    126.0326      0.62  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.833)
 121.917    126.0363      0.54  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  25.917)
 122.000    126.0395      0.46  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.000)
 122.083    126.0423      0.40  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.083)
 122.167    126.0446      0.35  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.167)
 122.250    126.0466      0.29  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.250)
 122.333    126.0483      0.24  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.333)
 122.417    126.0498      0.22  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.417)
 122.500    126.0512      0.20  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.500)
 122.583    126.0524      0.19  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.583)
 122.667    126.0536      0.17  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.667)
 122.750    126.0547      0.15  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.750)
 122.833    126.0556      0.14  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.833)
 122.917    126.0565      0.12  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  26.917)
 123.000    126.0572      0.11  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.000)
 123.083    126.0579      0.09  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.083)
 123.167    126.0584      0.08  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.167)
 123.250    126.0588      0.06  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.250)
 123.333    126.0592      0.05  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.333)
 123.417    126.0594      0.03  Q          .         .         .         V.
 (PEAK DAY 1, HOUR  27.417)
 123.500    126.0595      0.02  Q          .         .         .          V
 (PEAK DAY 1, HOUR  27.500)
 123.583    126.0596      0.00  Q          .         .         .          V
 (PEAK DAY 1, HOUR  27.583)
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  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =   7
----------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***
============================================================================


****************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6311.00 IS CODE =  11
----------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
          (Note: Time indicated is at END of Each Unit Intervals)
----------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      275.0     550.0     825.0    1100.0
----------------------------------------------------------------------------
  96.000    493.7987    296.25  .        VQ         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    495.8326    295.32  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    497.8684    295.60  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    499.9113    296.63  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    501.9579    297.16  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    504.0024    296.88  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    506.0438    296.40  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    508.0817    295.90  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    510.1164    295.44  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    512.1482    295.02  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    514.1773    294.62  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    516.2038    294.25  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    518.2277    293.87  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    520.2490    293.50  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    522.2679    293.13  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    524.2844    292.79  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    526.2986    292.47  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    528.3107    292.16  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    530.3209    291.87  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    532.3291    291.59  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    534.3350    291.26  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    536.3381    290.85  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    538.3383    290.41  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    540.3354    289.99  .         Q         .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    542.3298    289.58  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    544.3215    289.18  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    546.3104    288.79  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    548.2968    288.42  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    550.2807    288.06  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    552.2620    287.68  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    554.2408    287.32  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    556.2172    286.97  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    558.1912    286.63  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    560.1630    286.30  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    562.1326    285.99  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    564.1002    285.69  .         Q         .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    566.0657    285.40  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    568.0294    285.12  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    569.9913    284.86  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    571.9514    284.61  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    573.9099    284.37  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    575.8668    284.14  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    577.8222    283.93  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    579.7762    283.73  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    581.7289    283.53  .         Q         .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    583.6804    283.34  .         QV        .         .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    585.6306    283.17  .         QV        .         .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    587.5797    283.01  .         QV        .         .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    589.5277    282.86  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.000)
 100.083    591.4748    282.72  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.083)
 100.167    593.4210    282.59  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.167)
 100.250    595.3664    282.47  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.250)
 100.333    597.3111    282.37  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.333)
 100.417    599.2551    282.27  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.417)
 100.500    601.1986    282.19  .         QV        .         .         .
 (PEAK DAY 1, HOUR   4.500)
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 100.583    603.1416    282.12  .         QV        .         .         .
(PEAK DAY 1, HOUR   4.583)
 100.667    605.0842    282.06  .         QV        .         .         .
(PEAK DAY 1, HOUR   4.667)
 100.750    607.0264    282.01  .         QV        .         .         .
(PEAK DAY 1, HOUR   4.750)
 100.833    608.9683    281.97  .         QV        .         .         .
(PEAK DAY 1, HOUR   4.833)
 100.917    610.9101    281.95  .         QV        .         .         .
(PEAK DAY 1, HOUR   4.917)
 101.000    612.8518    281.93  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.000)
 101.083    614.7935    281.93  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.083)
 101.167    616.7352    281.94  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.167)
 101.250    618.6771    281.96  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.250)
 101.333    620.6191    281.99  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.333)
 101.417    622.5615    282.04  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.417)
 101.500    624.5043    282.09  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.500)
 101.583    626.4475    282.16  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.583)
 101.667    628.3913    282.24  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.667)
 101.750    630.3357    282.33  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.750)
 101.833    632.2808    282.43  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.833)
 101.917    634.2267    282.55  .         QV        .         .         .
(PEAK DAY 1, HOUR   5.917)
 102.000    636.1735    282.67  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.000)
 102.083    638.1213    282.81  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.083)
 102.167    640.0701    282.96  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.167)
 102.250    642.0200    283.13  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.250)
 102.333    643.9711    283.30  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.333)
 102.417    645.9235    283.49  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.417)
 102.500    647.8773    283.69  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.500)
 102.583    649.8325    283.90  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.583)
 102.667    651.7894    284.13  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.667)
 102.750    653.7479    284.37  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.750)
 102.833    655.7081    284.62  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.833)
 102.917    657.6701    284.89  .         Q V       .         .         .
(PEAK DAY 1, HOUR   6.917)
 103.000    659.6340    285.17  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.000)
 103.083    661.6000    285.46  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.083)
 103.167    663.5681    285.76  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.167)
 103.250    665.5383    286.08  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.250)
 103.333    667.5109    286.41  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.333)
 103.417    669.4858    286.76  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.417)
 103.500    671.4632    287.12  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.500)
 103.583    673.4432    287.49  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.583)
 103.667    675.4258    287.88  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.667)
 103.750    677.4113    288.28  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.750)
 103.833    679.3995    288.70  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.833)
 103.917    681.3908    289.13  .         Q V       .         .         .
(PEAK DAY 1, HOUR   7.917)
 104.000    683.3851    289.58  .         Q V       .         .         .
(PEAK DAY 1, HOUR   8.000)
 104.083    685.3826    290.04  .         Q V       .         .         .
(PEAK DAY 1, HOUR   8.083)
 104.167    687.3834    290.52  .         Q V       .         .         .
(PEAK DAY 1, HOUR   8.167)
 104.250    689.3876    291.01  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.250)
 104.333    691.3953    291.52  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.333)
 104.417    693.4066    292.04  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.417)
 104.500    695.4216    292.58  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.500)
 104.583    697.4405    293.14  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.583)
 104.667    699.4633    293.71  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.667)
 104.750    701.4902    294.30  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.750)
 104.833    703.5212    294.91  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.833)
 104.917    705.5565    295.53  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   8.917)
 105.000    707.5963    296.17  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.000)
 105.083    709.6406    296.83  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.083)
 105.167    711.6895    297.51  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.167)
 105.250    713.7433    298.20  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.250)
 105.333    715.8019    298.92  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.333)
 105.417    717.8657    299.65  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.417)
 105.500    719.9346    300.41  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.500)
 105.583    722.0085    301.14  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.583)
 105.667    724.0870    301.80  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.667)
 105.750    726.1697    302.41  .         Q  V      .         .         .
(PEAK DAY 1, HOUR   9.750)
 105.833    728.2567    303.03  .         .Q V      .         .         .
(PEAK DAY 1, HOUR   9.833)
 105.917    730.3480    303.66  .         .Q V      .         .         .
(PEAK DAY 1, HOUR   9.917)
 106.000    732.4437    304.31  .         .Q V      .         .         .
(PEAK DAY 1, HOUR  10.000)
 106.083    734.5441    304.97  .         .Q V      .         .         .
(PEAK DAY 1, HOUR  10.083)
 106.167    736.6491    305.65  .         .Q V      .         .         .
(PEAK DAY 1, HOUR  10.167)
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106.250    738.7590    306.35  .         .Q V      .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333    740.8738    307.07  .         .Q V      .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417    742.9937    307.81  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500    745.1188    308.57  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583    747.2493    309.34  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667    749.3853    310.14  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750    751.5269    310.96  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.750)
106.833    753.6743    311.80  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    755.8276    312.66  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    757.9870    313.55  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    760.1526    314.46  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167    762.3248    315.39  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250    764.5035    316.35  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333    766.6890    317.33  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417    768.8813    318.34  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500    771.0809    319.37  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583    773.2877    320.44  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667    775.5021    321.53  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750    777.7243    322.65  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833    779.9544    323.81  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917    782.1927    324.99  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000    784.4393    326.21  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083    786.6971    327.82  .         .Q  V     .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167    788.9730    330.46  .         . Q V     .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250    791.2717    333.76  .         . Q V     .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333    793.5904    336.68  .         . Q V     .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417    795.9247    338.95  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500    798.2739    341.10  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583    800.6381    343.29  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667    803.0180    345.56  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750    805.4142    347.92  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833    807.8271    350.36  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917    810.2573    352.86  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000    812.7045    355.32  .         . Q  V    .         .         .
(PEAK DAY 1, HOUR  13.000)
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109.083    815.1681    357.72  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167    817.6483    360.12  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250    820.1454    362.58  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333    822.6600    365.12  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417    825.1926    367.73  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500    827.7438    370.43  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583    830.3142    373.22  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.583)
109.667    832.9046    376.13  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750    835.5158    379.15  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833    838.1487    382.31  .         .  Q V    .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917    840.8044    385.60  .         .   QV    .         .         .
(PEAK DAY 1, HOUR  13.917)
110.000    843.4838    389.05  .         .   QV    .         .         .
(PEAK DAY 1, HOUR  14.000)
110.083    846.1884    392.71  .         .   QV    .         .         .
(PEAK DAY 1, HOUR  14.083)
110.167    848.9188    396.45  .         .   Q V   .         .         .
(PEAK DAY 1, HOUR  14.167)
110.250    851.6731    399.92  .         .   Q V   .         .         .
(PEAK DAY 1, HOUR  14.250)
110.333    854.4495    403.13  .         .   Q V   .         .         .
(PEAK DAY 1, HOUR  14.333)
110.417    857.2480    406.35  .         .   Q V   .         .         .
(PEAK DAY 1, HOUR  14.417)
110.500    860.0703    409.80  .         .   Q V   .         .         .
(PEAK DAY 1, HOUR  14.500)
110.583    862.9189    413.62  .         .    QV   .         .         .
(PEAK DAY 1, HOUR  14.583)
110.667    865.7970    417.89  .         .    QV   .         .         .
(PEAK DAY 1, HOUR  14.667)
110.750    868.7081    422.69  .         .    QV   .         .         .
(PEAK DAY 1, HOUR  14.750)
110.833    871.6573    428.24  .         .    QV   .         .         .
(PEAK DAY 1, HOUR  14.833)
110.917    874.6511    434.69  .         .    QV   .         .         .
(PEAK DAY 1, HOUR  14.917)
111.000    877.6954    442.04  .         .     Q   .         .         .
(PEAK DAY 1, HOUR  15.000)
111.083    880.7944    449.97  .         .     Q   .         .         .
(PEAK DAY 1, HOUR  15.083)
111.167    883.9514    458.40  .         .     Q   .         .         .
(PEAK DAY 1, HOUR  15.167)
111.250    887.1713    467.53  .         .     VQ  .         .         .
(PEAK DAY 1, HOUR  15.250)
111.333    890.4611    477.67  .         .     VQ  .         .         .
(PEAK DAY 1, HOUR  15.333)
111.417    893.8196    487.67  .         .     VQ  .         .         .
(PEAK DAY 1, HOUR  15.417)
111.500    897.2325    495.54  .         .     V Q .         .         .
(PEAK DAY 1, HOUR  15.500)
111.583    900.6964    502.95  .         .      VQ .         .         .
(PEAK DAY 1, HOUR  15.583)
111.667    904.2389    514.38  .         .      VQ .         .         .
(PEAK DAY 1, HOUR  15.667)
111.750    907.9017    531.84  .         .      V Q.         .         .
(PEAK DAY 1, HOUR  15.750)
111.833    911.7291    555.73  .         .      V  Q         .         .
(PEAK DAY 1, HOUR  15.833)
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 111.917    915.7904    589.71  .         .      V  .Q       .         .
(PEAK DAY 1, HOUR  15.917)
 112.000    920.2261    644.06  .         .      V  .  Q     .         .
(PEAK DAY 1, HOUR  16.000)
 112.083    925.5556    773.84  .         .      V  .       Q .         .
(PEAK DAY 1, HOUR  16.083)
 112.167    932.3615    988.22  .         .      V  .         .    Q    .
(PEAK DAY 1, HOUR  16.167)
 112.250    939.8552   1088.08  .         .      V  .         .        Q.
(PEAK DAY 1, HOUR  16.250)
 112.333    946.5728    975.39  .         .      V  .         .    Q    .
(PEAK DAY 1, HOUR  16.333)
 112.417    952.1804    814.22  .         .      V  .        Q.         .
(PEAK DAY 1, HOUR  16.417)
 112.500    957.3485    750.42  .         .       V .      Q  .         .
(PEAK DAY 1, HOUR  16.500)
 112.583    962.2802    716.08  .         .       V .     Q   .         .
(PEAK DAY 1, HOUR  16.583)
 112.667    967.0338    690.24  .         .       V .    Q    .         .
(PEAK DAY 1, HOUR  16.667)
 112.750    971.6339    667.92  .         .       V .   Q     .         .
(PEAK DAY 1, HOUR  16.750)
 112.833    976.0982    648.23  .         .       V .  Q      .         .
(PEAK DAY 1, HOUR  16.833)
 112.917    980.4500    631.88  .         .       V . Q       .         .
(PEAK DAY 1, HOUR  16.917)
 113.000    984.7002    617.14  .         .       V . Q       .         .
(PEAK DAY 1, HOUR  17.000)
 113.083    988.8781    606.63  .         .       V . Q       .         .
(PEAK DAY 1, HOUR  17.083)
 113.167    992.9955    597.85  .         .       V .Q        .         .
(PEAK DAY 1, HOUR  17.167)
 113.250    997.0801    593.08  .         .       V .Q        .         .
(PEAK DAY 1, HOUR  17.250)
 113.333   1001.1371    589.08  .         .       V .Q        .         .
(PEAK DAY 1, HOUR  17.333)
 113.417   1005.1729    585.99  .         .       V .Q        .         .
(PEAK DAY 1, HOUR  17.417)
 113.500   1009.1882    583.01  .         .        V.Q        .         .
(PEAK DAY 1, HOUR  17.500)
 113.583   1013.1833    580.09  .         .        V.Q        .         .
(PEAK DAY 1, HOUR  17.583)
 113.667   1017.1581    577.14  .         .        VQ         .         .
(PEAK DAY 1, HOUR  17.667)
 113.750   1021.1161    574.70  .         .        VQ         .         .
(PEAK DAY 1, HOUR  17.750)
 113.833   1025.0505    571.29  .         .        VQ         .         .
(PEAK DAY 1, HOUR  17.833)
 113.917   1028.9714    569.31  .         .        VQ         .         .
(PEAK DAY 1, HOUR  17.917)
 114.000   1032.8760    566.95  .         .        VQ         .         .
(PEAK DAY 1, HOUR  18.000)
 114.083   1036.7524    562.86  .         .        VQ         .         .
(PEAK DAY 1, HOUR  18.083)
 114.167   1040.6050    559.38  .         .        VQ         .         .
(PEAK DAY 1, HOUR  18.167)
 114.250   1044.4312    555.56  .         .        VQ         .         .
(PEAK DAY 1, HOUR  18.250)
 114.333   1048.2295    551.53  .         .        VQ         .         .
(PEAK DAY 1, HOUR  18.333)
 114.417   1051.9895    545.95  .         .        Q.         .         .
(PEAK DAY 1, HOUR  18.417)
 114.500   1055.7319    543.40  .         .        Q.         .         .
(PEAK DAY 1, HOUR  18.500)
 114.583   1059.4640    541.89  .         .        QV         .         .
(PEAK DAY 1, HOUR  18.583)
 114.667   1063.1875    540.65  .         .        QV         .         .
(PEAK DAY 1, HOUR  18.667)
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 114.750   1066.9031    539.50  .         .        QV         .         .
(PEAK DAY 1, HOUR  18.750)
 114.833   1070.6115    538.45  .         .        QV         .         .
(PEAK DAY 1, HOUR  18.833)
 114.917   1074.3131    537.49  .         .        QV         .         .
(PEAK DAY 1, HOUR  18.917)
 115.000   1078.0088    536.61  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.000)
 115.083   1081.6989    535.80  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.083)
 115.167   1085.3835    535.02  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.167)
 115.250   1089.0629    534.24  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.250)
 115.333   1092.7367    533.44  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.333)
 115.417   1096.4049    532.62  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.417)
 115.500   1100.0668    531.71  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.500)
 115.583   1103.7213    530.65  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.583)
 115.667   1107.3621    528.63  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.667)
 115.750   1110.9935    527.28  .         .        QV         .         .
(PEAK DAY 1, HOUR  19.750)
 115.833   1114.6200    526.57  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  19.833)
 115.917   1118.2422    525.94  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  19.917)
 116.000   1121.8602    525.34  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.000)
 116.083   1125.4742    524.75  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.083)
 116.167   1129.0844    524.20  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.167)
 116.250   1132.6908    523.66  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.250)
 116.333   1136.2937    523.13  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.333)
 116.417   1139.8932    522.64  .         .        Q.V        .         .
(PEAK DAY 1, HOUR  20.417)
 116.500   1143.4894    522.17  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.500)
 116.583   1147.0823    521.69  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.583)
 116.667   1150.6720    521.23  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.667)
 116.750   1154.2585    520.77  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.750)
 116.833   1157.8420    520.32  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.833)
 116.917   1161.4225    519.88  .         .        Q .V       .         .
(PEAK DAY 1, HOUR  20.917)
 117.000   1164.9999    519.43  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.000)
 117.083   1168.5742    519.00  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.083)
 117.167   1172.1456    518.56  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.167)
 117.250   1175.7141    518.14  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.250)
 117.333   1179.2797    517.71  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.333)
 117.417   1182.8423    517.29  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.417)
 117.500   1186.4020    516.87  .         .        Q . V      .         .
(PEAK DAY 1, HOUR  21.500)
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117.583	1189.9589	516.46	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 21.583)										
117.667	1193.5129	516.05	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 21.667)										
117.750	1197.0642	515.65	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 21.750)										
117.833	1200.6128	515.26	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 21.833)										
117.917	1204.1587	514.86	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 21.917)										
118.000	1207.7019	514.47	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.000)										
118.083	1211.2424	514.08	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.083)										
118.167	1214.7803	513.69	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.167)										
118.250	1218.3154	513.31	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.250)										
118.333	1221.8479	512.92	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.333)										
118.417	1225.3778	512.54	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.417)										
118.500	1228.9050	512.16	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.500)										
118.583	1232.4297	511.78	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.583)										
118.667	1235.9518	511.40	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.667)										
118.750	1239.4713	511.03	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.750)										
118.833	1242.9883	510.66	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.833)										
118.917	1246.5027	510.28	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 22.917)										
119.000	1250.0145	509.91	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.000)										
119.083	1253.5238	509.54	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.083)										
119.167	1257.0305	509.17	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.167)										
119.250	1260.5347	508.80	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.250)										
119.333	1264.0363	508.44	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.333)										
119.417	1267.5354	508.07	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.417)										
119.500	1271.0320	507.71	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.500)										
119.583	1274.5261	507.34	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.583)										
119.667	1278.0177	506.98	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.667)										
119.750	1281.5068	506.62	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.750)										
119.833	1284.9934	506.26	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.833)										
119.917	1288.4775	505.89	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 23.917)										
120.000	1291.9592	505.53	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.000)										
120.083	1295.4344	504.61	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.083)										
120.167	1298.8926	502.11	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.167)										
120.250	1302.3269	498.66	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.250)										
120.333	1305.7426	495.95	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.333)										
120.417	1309.1476	494.42	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.417)										
120.500	1312.5444	493.22	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.500)										
120.583	1315.9342	492.19	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.583)										
120.667	1319.3177	491.29	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.667)										
120.750	1322.6956	490.46	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.750)										
120.833	1326.0681	489.70	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.833)										
120.917	1329.4357	488.98	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 24.917)										
121.000	1332.7987	488.31	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.000)										
121.083	1336.1573	487.68	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.083)										
121.167	1339.5120	487.10	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.167)										
121.250	1342.8627	486.53	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.250)										
121.333	1346.2097	485.98	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.333)										
121.417	1349.5530	485.44	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.417)										
121.500	1352.8926	484.91	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.500)										
121.583	1356.2285	484.38	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.583)										
121.667	1359.5609	483.87	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.667)										
121.750	1362.8898	483.35	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.750)										
121.833	1366.2152	482.86	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.833)										
121.917	1369.5372	482.36	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 25.917)										
122.000	1372.8558	481.86	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.000)										
122.083	1376.1711	481.39	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.083)										
122.167	1379.4833	480.92	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.167)										
122.250	1382.7921	480.45	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.250)										
122.333	1386.0978	479.98	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.333)										
122.417	1389.4004	479.54	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.417)										
122.500	1392.7001	479.11	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.500)										
122.583	1395.9968	478.68	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.583)										
122.667	1399.2905	478.25	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.667)										
122.750	1402.5813	477.82	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.750)										
122.833	1405.8691	477.39	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.833)										
122.917	1409.1541	476.96	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 26.917)										
123.000	1412.4359	476.53	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 27.000)										
123.083	1415.7148	476.10	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 27.083)										
123.167	1418.9908	475.67	.	.	Q	.	V	.	.	
(PEAK DAY 1, HOUR 27.167)										

```
 123.250   1422.2639    475.25  .         .      Q  .     V   .         .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1425.5341    474.82  .         .      Q  .     V   .         .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1428.8011    474.39  .         .      Q  .     V   .         .
 (PEAK DAY 1, HOUR  27.417)
 123.500   1432.0653    473.96  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.500)
 123.583   1435.3265    473.53  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.583)
 123.667   1438.5850    473.12  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.667)
 123.750   1441.8405    472.70  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.750)
 123.833   1445.0933    472.30  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.833)
 123.917   1448.3434    471.92  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  27.917)
 124.000   1451.5909    471.54  .         .      Q  .      V  .         .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6311.00 TO NODE   6330.00 IS CODE = 5.2
--------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5040.6 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   20.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     382.00
           DOWNSTREAM ELEVATION(FT) =     375.00
           CHANNEL LENGTH(FT) =    1141.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  1088.08
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =   653.80
           CHANNEL NORMAL VELOCITY FOR Q =   653.80 CFS =   6.34 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.789

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.933


         CONVEX METHOD CHANNEL ROUTING RESULTS:
                                                 OUTFLOW LESS
                CLOCK        INFLOW     ROUTED      LOSS
PEAK    TIME    TIME       (STREAM 1)    FLOW     (STREAM 1)
 DAY   (HRS)   (HRS)         (CFS)       (CFS)      (CFS)
  2   24.000  96.000       296.25      296.99      296.99
  1    0.083  96.083       295.32      295.84      295.84
  1    0.167  96.167       295.60      295.49      295.49
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1	0.250	96.250	296.63	296.10	296.10
1	0.333	96.333	297.16	296.86	296.86
1	0.417	96.417	296.88	297.00	297.00
1	0.500	96.500	296.40	296.65	296.65
1	0.583	96.583	295.90	296.17	296.17
1	0.667	96.667	295.44	295.69	295.69
1	0.750	96.750	295.02	295.25	295.25
1	0.833	96.833	294.62	294.84	294.84
1	0.917	96.917	294.25	294.45	294.45
1	1.000	97.000	293.87	294.07	294.07
1	1.083	97.083	293.50	293.70	293.70
1	1.167	97.167	293.13	293.33	293.33
1	1.250	97.250	292.79	292.98	292.98
1	1.333	97.333	292.47	292.64	292.64
1	1.417	97.417	292.16	292.33	292.33
1	1.500	97.500	291.87	292.03	292.03
1	1.583	97.583	291.59	291.74	291.74
1	1.667	97.667	291.26	291.44	291.44
1	1.750	97.750	290.85	291.07	291.07
1	1.833	97.833	290.41	290.65	290.65
1	1.917	97.917	289.99	290.22	290.22
1	2.000	98.000	289.58	289.81	289.81
1	2.083	98.083	289.18	289.40	289.40
1	2.167	98.167	288.79	289.01	289.01
1	2.250	98.250	288.42	288.62	288.62
1	2.333	98.333	288.06	288.25	288.25
1	2.417	98.417	287.68	287.89	287.89
1	2.500	98.500	287.32	287.52	287.52
1	2.583	98.583	286.97	287.16	287.16
1	2.667	98.667	286.63	286.81	286.81
1	2.750	98.750	286.30	286.48	286.48
1	2.833	98.833	285.99	286.16	286.16
1	2.917	98.917	285.69	285.85	285.85
1	3.000	99.000	285.40	285.56	285.56
1	3.083	99.083	285.12	285.27	285.27
1	3.167	99.167	284.86	285.00	285.00
1	3.250	99.250	284.61	284.75	284.75
1	3.333	99.333	284.37	284.50	284.50
1	3.417	99.417	284.14	284.27	284.27
1	3.500	99.500	283.93	284.05	284.05
1	3.583	99.583	283.73	283.84	283.84
1	3.667	99.667	283.53	283.64	283.64
1	3.750	99.750	283.34	283.45	283.45
1	3.833	99.833	283.17	283.26	283.26
1	3.917	99.917	283.01	283.09	283.09
1	4.000	100.000	282.86	282.94	282.94
1	4.083	100.083	282.72	282.79	282.79
1	4.167	100.167	282.59	282.66	282.66
1	4.250	100.250	282.47	282.54	282.54
1	4.333	100.333	282.37	282.42	282.42
1	4.417	100.417	282.27	282.32	282.32
1	4.500	100.500	282.19	282.24	282.24
1	4.583	100.583	282.12	282.16	282.16
1	4.667	100.667	282.06	282.09	282.09
1	4.750	100.750	282.01	282.04	282.04
1	4.833	100.833	281.97	281.99	281.99
1	4.917	100.917	281.95	281.96	281.96
1	5.000	101.000	281.93	281.94	281.94
1	5.083	101.083	281.93	281.93	281.93
1	5.167	101.167	281.94	281.94	281.94
1	5.250	101.250	281.96	281.95	281.95
1	5.333	101.333	281.99	281.98	281.98
1	5.417	101.417	282.04	282.01	282.01
1	5.500	101.500	282.09	282.06	282.06
1	5.583	101.583	282.16	282.12	282.12
1	5.667	101.667	282.24	282.19	282.19
1	5.750	101.750	282.33	282.28	282.28
1	5.833	101.833	282.43	282.38	282.38

1	5.917	101.917	282.55	282.48	282.48
1	6.000	102.000	282.67	282.60	282.60
1	6.083	102.083	282.81	282.74	282.74
1	6.167	102.167	282.96	282.88	282.88
1	6.250	102.250	283.13	283.04	283.04
1	6.333	102.333	283.30	283.21	283.21
1	6.417	102.417	283.49	283.39	283.39
1	6.500	102.500	283.69	283.58	283.58
1	6.583	102.583	283.90	283.79	283.79
1	6.667	102.667	284.13	284.01	284.01
1	6.750	102.750	284.37	284.24	284.24
1	6.833	102.833	284.62	284.49	284.49
1	6.917	102.917	284.89	284.74	284.74
1	7.000	103.000	285.17	285.02	285.02
1	7.083	103.083	285.46	285.30	285.30
1	7.167	103.167	285.76	285.60	285.60
1	7.250	103.250	286.08	285.91	285.91
1	7.333	103.333	286.41	286.23	286.23
1	7.417	103.417	286.76	286.57	286.57
1	7.500	103.500	287.12	286.92	286.92
1	7.583	103.583	287.49	287.29	287.29
1	7.667	103.667	287.88	287.67	287.67
1	7.750	103.750	288.28	288.06	288.06
1	7.833	103.833	288.70	288.47	288.47
1	7.917	103.917	289.13	288.90	288.90
1	8.000	104.000	289.58	289.34	289.34
1	8.083	104.083	290.04	289.79	289.79
1	8.167	104.167	290.52	290.26	290.26
1	8.250	104.250	291.01	290.74	290.74
1	8.333	104.333	291.52	291.24	291.24
1	8.417	104.417	292.04	291.76	291.76
1	8.500	104.500	292.58	292.29	292.29
1	8.583	104.583	293.14	292.84	292.84
1	8.667	104.667	293.71	293.40	293.40
1	8.750	104.750	294.30	293.98	293.98
1	8.833	104.833	294.91	294.58	294.58
1	8.917	104.917	295.53	295.19	295.19
1	9.000	105.000	296.17	295.82	295.82
1	9.083	105.083	296.83	296.47	296.47
1	9.167	105.167	297.51	297.14	297.14
1	9.250	105.250	298.20	297.83	297.83
1	9.333	105.333	298.92	298.53	298.53
1	9.417	105.417	299.65	299.26	299.26
1	9.500	105.500	300.41	300.00	300.00
1	9.583	105.583	301.14	300.74	300.74
1	9.667	105.667	301.80	301.43	301.43
1	9.750	105.750	302.41	302.07	302.07
1	9.833	105.833	303.03	302.69	302.69
1	9.917	105.917	303.66	303.32	303.32
1	10.000	106.000	304.31	303.96	303.96
1	10.083	106.083	304.97	304.61	304.61
1	10.167	106.167	305.65	305.28	305.28
1	10.250	106.250	306.35	305.97	305.97
1	10.333	106.333	307.07	306.68	306.68
1	10.417	106.417	307.81	307.41	307.41
1	10.500	106.500	308.57	308.16	308.16
1	10.583	106.583	309.34	308.92	308.92
1	10.667	106.667	310.14	309.71	309.71
1	10.750	106.750	310.96	310.52	310.52
1	10.833	106.833	311.80	311.34	311.34
1	10.917	106.917	312.66	312.19	312.19
1	11.000	107.000	313.55	313.07	313.07
1	11.083	107.083	314.46	313.96	313.96
1	11.167	107.167	315.39	314.88	314.88
1	11.250	107.250	316.35	315.83	315.83
1	11.333	107.333	317.33	316.79	316.79
1	11.417	107.417	318.34	317.79	317.79
1	11.500	107.500	319.37	318.81	318.81
1	11.583	107.583	320.44	319.86	319.86
1	11.667	107.667	321.53	320.94	320.94
1	11.750	107.750	322.65	322.05	322.05
1	11.833	107.833	323.81	323.18	323.18
1	11.917	107.917	324.99	324.35	324.35
1	12.000	108.000	326.21	325.55	325.55
1	12.083	108.083	327.82	326.96	326.96
1	12.167	108.167	330.46	329.06	329.06
1	12.250	108.250	333.76	331.99	331.99
1	12.333	108.333	336.68	335.08	335.08
1	12.417	108.417	338.95	337.69	337.69
1	12.500	108.500	341.10	339.92	339.92
1	12.583	108.583	343.29	342.10	342.10
1	12.667	108.667	345.56	344.33	344.33
1	12.750	108.750	347.92	346.64	346.64
1	12.833	108.833	350.36	349.04	349.04
1	12.917	108.917	352.86	351.50	351.50
1	13.000	109.000	355.32	353.98	353.98
1	13.083	109.083	357.72	356.41	356.41
1	13.167	109.167	360.12	358.81	358.81
1	13.250	109.250	362.58	361.25	361.25
1	13.333	109.333	365.12	363.74	363.74
1	13.417	109.417	367.73	366.31	366.31
1	13.500	109.500	370.43	368.97	368.97
1	13.583	109.583	373.22	371.71	371.71
1	13.667	109.667	376.13	374.55	374.55
1	13.750	109.750	379.15	377.51	377.51
1	13.833	109.833	382.31	380.59	380.59
1	13.917	109.917	385.60	383.81	383.81
1	14.000	110.000	389.05	387.18	387.18
1	14.083	110.083	392.71	390.73	390.73
1	14.167	110.167	396.45	394.42	394.42
1	14.250	110.250	399.92	398.02	398.02
1	14.333	110.333	403.13	401.37	401.37
1	14.417	110.417	406.35	404.60	404.60
1	14.500	110.500	409.80	407.93	407.93
1	14.583	110.583	413.62	411.56	411.56
1	14.667	110.667	417.89	415.59	415.59
1	14.750	110.750	422.69	420.10	420.10
1	14.833	110.833	428.24	425.25	425.25
1	14.917	110.917	434.69	431.21	431.21
1	15.000	111.000	442.04	438.08	438.08
1	15.083	111.083	449.97	445.68	445.68
1	15.167	111.167	458.40	453.83	453.83
1	15.250	111.250	467.53	462.59	462.59
1	15.333	111.333	477.67	472.19	472.19
1	15.417	111.417	487.67	482.23	482.23
1	15.500	111.500	495.54	491.18	491.18
1	15.583	111.583	502.95	498.90	498.90
1	15.667	111.667	514.38	508.30	508.30
1	15.750	111.750	531.84	522.57	522.57
1	15.833	111.833	555.73	542.98	542.98
1	15.917	111.917	589.71	571.61	571.61
1	16.000	112.000	644.06	615.25	615.25
1	16.083	112.083	773.84	706.01	706.01
1	16.167	112.167	988.22	874.83	874.83
1	16.250	112.250	1088.08	1029.82	1029.82
1	16.333	112.333	975.39	1028.75	1028.75
1	16.417	112.417	814.22	899.63	899.63
1	16.500	112.500	750.42	788.51	788.51
1	16.583	112.583	716.08	736.05	736.05
1	16.667	112.667	690.24	704.69	704.69
1	16.750	112.750	667.92	680.22	680.22
1	16.833	112.833	648.23	659.05	659.05
1	16.917	112.917	631.88	640.90	640.90
1	17.000	113.000	617.14	625.22	625.22
1	17.083	113.083	606.63	612.50	612.50
1	17.167	113.167	597.85	602.70	602.70

1	17.250	113.250	593.08	595.83	595.83
1	17.333	113.333	589.08	591.30	591.30
1	17.417	113.417	585.99	587.71	587.71
1	17.500	113.500	583.01	584.64	584.64
1	17.583	113.583	580.09	581.68	581.68
1	17.667	113.667	577.14	578.74	578.74
1	17.750	113.750	574.70	576.05	576.05
1	17.833	113.833	571.29	573.11	573.11
1	17.917	113.917	569.31	570.44	570.44
1	18.000	114.000	566.95	568.22	568.22
1	18.083	114.083	562.86	565.02	565.02
1	18.167	114.167	559.38	561.29	561.29
1	18.250	114.250	555.56	557.63	557.63
1	18.333	114.333	551.53	553.71	553.71
1	18.417	114.417	545.95	548.93	548.93
1	18.500	114.500	543.40	544.90	544.90
1	18.583	114.583	541.89	542.76	542.76
1	18.667	114.667	540.65	541.34	541.34
1	18.750	114.750	539.50	540.13	540.13
1	18.833	114.833	538.45	539.03	539.03
1	18.917	114.917	537.49	538.02	538.02
1	19.000	115.000	536.61	537.09	537.09
1	19.083	115.083	535.80	536.25	536.25
1	19.167	115.167	535.02	535.44	535.44
1	19.250	115.250	534.24	534.66	534.66
1	19.333	115.333	533.44	533.87	533.87
1	19.417	115.417	532.62	533.06	533.06
1	19.500	115.500	531.71	532.20	532.20
1	19.583	115.583	530.65	531.22	531.22
1	19.667	115.667	528.63	529.69	529.69
1	19.750	115.750	527.28	528.04	528.04
1	19.833	115.833	526.57	526.98	526.98
1	19.917	115.917	525.94	526.29	526.29
1	20.000	116.000	525.34	525.67	525.67
1	20.083	116.083	524.75	525.07	525.07
1	20.167	116.167	524.20	524.50	524.50
1	20.250	116.250	523.66	523.95	523.95
1	20.333	116.333	523.13	523.42	523.42
1	20.417	116.417	522.64	522.91	522.91
1	20.500	116.500	522.17	522.43	522.43
1	20.583	116.583	521.69	521.95	521.95
1	20.667	116.667	521.23	521.48	521.48
1	20.750	116.750	520.77	521.02	521.02
1	20.833	116.833	520.32	520.57	520.57
1	20.917	116.917	519.88	520.12	520.12
1	21.000	117.000	519.43	519.67	519.67
1	21.083	117.083	519.00	519.23	519.23
1	21.167	117.167	518.56	518.80	518.80
1	21.250	117.250	518.14	518.37	518.37
1	21.333	117.333	517.71	517.94	517.94
1	21.417	117.417	517.29	517.52	517.52
1	21.500	117.500	516.87	517.10	517.10
1	21.583	117.583	516.46	516.68	516.68
1	21.667	117.667	516.05	516.27	516.27
1	21.750	117.750	515.65	515.87	515.87
1	21.833	117.833	515.26	515.47	515.47
1	21.917	117.917	514.86	515.08	515.08
1	22.000	118.000	514.47	514.68	514.68
1	22.083	118.083	514.08	514.29	514.29
1	22.167	118.167	513.69	513.90	513.90
1	22.250	118.250	513.31	513.52	513.52
1	22.333	118.333	512.92	513.13	513.13
1	22.417	118.417	512.54	512.75	512.75
1	22.500	118.500	512.16	512.37	512.37
1	22.583	118.583	511.78	511.99	511.99
1	22.667	118.667	511.40	511.61	511.61
1	22.750	118.750	511.03	511.23	511.23
1	22.833	118.833	510.66	510.86	510.86
1	22.917	118.917	510.28	510.49	510.49
1	23.000	119.000	509.91	510.11	510.11
1	23.083	119.083	509.54	509.74	509.74
1	23.167	119.167	509.17	509.37	509.37
1	23.250	119.250	508.80	509.00	509.00
1	23.333	119.333	508.44	508.64	508.64
1	23.417	119.417	508.07	508.27	508.27
1	23.500	119.500	507.71	507.91	507.91
1	23.583	119.583	507.34	507.54	507.54
1	23.667	119.667	506.98	507.18	507.18
1	23.750	119.750	506.62	506.81	506.81
1	23.833	119.833	506.26	506.45	506.45
1	23.917	119.917	505.89	506.09	506.09
1	24.000	120.000	505.53	505.73	505.73
1	24.083	120.083	504.61	505.09	505.09
1	24.167	120.167	502.11	503.41	503.41
1	24.250	120.250	498.66	500.50	500.50
1	24.333	120.333	495.95	497.45	497.45
1	24.417	120.417	494.42	495.30	495.30
1	24.500	120.500	493.22	493.89	493.89
1	24.583	120.583	492.19	492.76	492.76
1	24.667	120.667	491.29	491.79	491.79
1	24.750	120.750	490.46	490.92	490.92
1	24.833	120.833	489.70	490.12	490.12
1	24.917	120.917	488.98	489.37	489.37
1	25.000	121.000	488.31	488.68	488.68
1	25.083	121.083	487.68	488.03	488.03
1	25.167	121.167	487.10	487.42	487.42
1	25.250	121.250	486.53	486.84	486.84
1	25.333	121.333	485.98	486.28	486.28
1	25.417	121.417	485.44	485.74	485.74
1	25.500	121.500	484.91	485.20	485.20
1	25.583	121.583	484.38	484.67	484.67
1	25.667	121.667	483.87	484.15	484.15
1	25.750	121.750	483.35	483.63	483.63
1	25.833	121.833	482.86	483.13	483.13
1	25.917	121.917	482.36	482.63	482.63
1	26.000	122.000	481.86	482.13	482.13
1	26.083	122.083	481.39	481.65	481.65
1	26.167	122.167	480.92	481.17	481.17
1	26.250	122.250	480.45	480.70	480.70
1	26.333	122.333	479.98	480.24	480.24
1	26.417	122.417	479.54	479.78	479.78
1	26.500	122.500	479.11	479.35	479.35
1	26.583	122.583	478.68	478.92	478.92
1	26.667	122.667	478.25	478.49	478.49
1	26.750	122.750	477.82	478.06	478.06
1	26.833	122.833	477.39	477.63	477.63
1	26.917	122.917	476.96	477.20	477.20
1	27.000	123.000	476.53	476.77	476.77
1	27.083	123.083	476.10	476.34	476.34
1	27.167	123.167	475.67	475.91	475.91
1	27.250	123.250	475.25	475.48	475.48
1	27.333	123.333	474.82	475.05	475.05
1	27.417	123.417	474.39	474.62	474.62
1	27.500	123.500	473.96	474.19	474.19
1	27.583	123.583	473.53	473.77	473.77
1	27.667	123.667	473.12	473.34	473.34
1	27.750	123.750	472.70	472.93	472.93
1	27.833	123.833	472.30	472.52	472.52
1	27.917	123.917	471.92	472.13	472.13
1	28.000	124.000	471.54	471.75	471.75

Note: Computed Hydrograph continues past two days after the peak day of the design storm.

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PROCESS SUMMARY OF STORAGE:

INFLOW VOLUME = 2117.105 AF

OUTFLOW VOLUME = 2117.103 AF

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    LOSS    VOLUME =      0.000 AF
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********************************************************************************
  FLOW PROCESS FROM NODE   6320.00 TO NODE   6330.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   300.7 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     300.700 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.290 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.250
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.750
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
         +------------------+--------+--------+--------+--------+--------+
         | RAINFALL DEPTHS & |        |        |        |        |        |
         |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
         |==================+========+========+========+========+========|
         | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
         |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
         |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
         |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
         |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
         |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
         |==================+========+========+========+========+========|
         | LOSS RATE(IN/HR)  |   0.240|   0.240|   0.240|   0.240|   0.240|
         | LOW LOSS FRACTION |   0.430|   0.670|   0.900|   0.990|   0.990|
         +------------------+--------+--------+--------+--------+--------+
           5-MINUTE FACTOR = 0.987
          30-MINUTE FACTOR = 0.987
           1-HOUR FACTOR = 0.987
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  28.736


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
        1               3.181               115.682
        2              14.148               398.807
        3              32.649               672.813
        4              49.391               608.859
        5              59.445               365.623
        6              65.754               229.414
        7              70.572               175.227
        8              74.508               143.109
        9              77.679               115.331
       10              80.307                95.584
       11              82.561                81.961
       12              84.486                69.998
       13              86.124                59.571
       14              87.475                49.137
       15              88.623                41.748
       16              89.558                33.981
       17              90.435                31.907
       18              91.248                29.581
       19              92.036                28.658
       20              92.761                26.336
       21              93.465                25.630
       22              94.104                23.223
       23              94.697                21.573
       24              95.280                21.195
       25              95.767                17.699
       26              96.231                16.876
       27              96.695                16.868
       28              97.112                15.192
       29              97.431                11.595
       30              97.741                11.275
       31              98.051                11.279
       32              98.361                11.271
       33              98.547                 6.740
       34              98.632                 3.085
       35              98.716                 3.070
       36              98.801                 3.077
       37              98.885                 3.077
       38              98.970                 3.077
       39              99.054                 3.077
       40              99.139                 3.077
       41              99.224                 3.085
       42              99.308                 3.070
       43              99.393                 3.070
       44              99.477                 3.070
       45              99.562                 3.070
       46              99.646                 3.070
       47              99.730                 3.070
       48              99.815                 3.070
       49              99.899                 3.070
       50              99.984                 3.070
       51             100.000                 0.594


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     150.1466
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     139.5311
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 175.0 350.0 525.0 700.0
96.000	37.7332	4.73	Q V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	37.7682	5.09	Q V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	37.8124	6.41	Q V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	37.8721	8.68	Q V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	37.9461	10.74	Q V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	38.0287	11.99	Q V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	38.1168	12.79	Q V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	38.2091	13.41	Q V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	38.3050	13.93	Q V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	38.4039	14.35	Q .V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	38.5052	14.71	Q .V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	38.6087	15.03	Q .V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	38.7141	15.31	Q .V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	38.8213	15.56	Q .V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	38.9299	15.77	Q .V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	39.0398	15.96	Q .V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	39.1508	16.12	Q .V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	39.2630	16.28	Q .V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	39.3762	16.44	Q .V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	39.4904	16.59	Q .V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	39.6056	16.73	Q .V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	39.7218	16.87	Q .V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	39.8390	17.01	Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	39.9570	17.14	Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	40.0760	17.27	Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	40.1957	17.39	Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	40.3163	17.51	.Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	40.4377	17.63	.Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	40.5599	17.74	.Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	40.6829	17.85	.Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	40.8065	17.95	.Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	40.9308	18.06	.Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	41.0559	18.16	.Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	41.1816	18.25	.Q .V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	41.3079	18.33	.Q .V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	41.4347	18.41	.Q .V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	41.5620	18.49	.Q .V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	41.6899	18.57	.Q .V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	41.8184	18.66	.Q .V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	41.9475	18.74	.Q . V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	42.0771	18.82	.Q . V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	42.2074	18.91	.Q . V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	42.3382	18.99	.Q . V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	42.4696	19.08	.Q . V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	42.6016	19.17	.Q . V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	42.7342	19.26	.Q . V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	42.8675	19.35	.Q . V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	43.0013	19.44	.Q . V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	43.1358	19.53	.Q . V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	43.2709	19.62	.Q . V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	43.4067	19.71	.Q . V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	43.5431	19.80	.Q . V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	43.6800	19.88	.Q . V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	43.8175	19.97	.Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	43.9556	20.06	.Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	44.0944	20.14	.Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	44.2337	20.23	.Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	44.3737	20.32	.Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	44.5142	20.41	.Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	44.6554	20.50	.Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	44.7973	20.60	.Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	44.9398	20.69	.Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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101.167     45.0829     20.78  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250     45.2267     20.88  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333     45.3712     20.98  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417     45.5163     21.08  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500     45.6622     21.18  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583     45.8087     21.28  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667     45.9559     21.38  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750     46.1039     21.48  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833     46.2525     21.59  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917     46.4019     21.69  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000     46.5520     21.80  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083     46.7029     21.91  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167     46.8546     22.02  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250     47.0070     22.13  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333     47.1602     22.24  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417     47.3141     22.36  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500     47.4689     22.47  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583     47.6245     22.59  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667     47.7809     22.71  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750     47.9381     22.83  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833     48.0962     22.95  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917     48.2552     23.08  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000     48.4150     23.20  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083     48.5757     23.33  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167     48.7373     23.46  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250     48.8998     23.59  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333     49.0632     23.73  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417     49.2275     23.86  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500     49.3928     24.00  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583     49.5591     24.14  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667     49.7263     24.28  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750     49.8946     24.43  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833     50.0638     24.57  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917     50.2341     24.72  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.917)
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104.000     50.4054     24.87  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083     50.5777     25.03  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167     50.7512     25.18  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250     50.9257     25.34  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333     51.1013     25.50  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417     51.2781     25.67  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500     51.4560     25.83  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583     51.6351     26.00  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667     51.8154     26.17  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750     51.9968     26.35  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833     52.1795     26.53  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917     52.3635     26.71  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000     52.5487     26.90  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083     52.7353     27.08  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167     52.9231     27.28  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250     53.1123     27.47  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333     53.3029     27.67  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417     53.4948     27.87  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500     53.6882     28.08  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583     53.8830     28.29  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667     54.0794     28.51  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750     54.2772     28.72  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833     54.4766     28.95  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917     54.6775     29.18  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000     54.8800     29.41  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083     55.0842     29.65  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167     55.2901     29.89  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250     55.4977     30.14  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333     55.7070     30.39  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417     55.9181     30.65  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500     56.1310     30.92  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583     56.3458     31.19  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667     56.5625     31.47  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750     56.7812     31.75  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.750)
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106.833     57.0019     32.04  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917     57.2246     32.34  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000     57.4494     32.65  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083     57.6764     32.96  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167     57.9056     33.28  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250     58.1371     33.61  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333     58.3709     33.95  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417     58.6071     34.29  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500     58.8457     34.65  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583     59.0869     35.02  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667     59.3307     35.39  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750     59.5771     35.78  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833     59.8263     36.18  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917     60.0783     36.59  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000     60.3332     37.01  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083     60.5935     37.79  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167     60.8648     39.40  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250     61.1528     41.82  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333     61.4563     44.08  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417     61.7707     45.65  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500     62.0934     46.85  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583     62.4233     47.91  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667     62.7601     48.90  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750     63.1033     49.83  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833     63.4526     50.72  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917     63.8080     51.60  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000     64.1694     52.47  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083     64.5367     53.33  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167     64.9099     54.19  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250     65.2892     55.06  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333     65.6744     55.94  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417     66.0659     56.85  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500     66.4638     57.78  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.500)
109.583     66.8684     58.75  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.583)
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109.667     67.2799     59.75  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.667)
109.750     67.6986     60.80  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.750)
109.833     68.1248     61.88  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.833)
109.917     68.5588     63.01  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.917)
110.000     69.0009     64.20  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.000)
110.083     69.4519     65.49  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.083)
110.167     69.9129     66.94  .  Q      .         V         .         .
(PEAK DAY 1, HOUR  14.167)
110.250     70.3852     68.57  .  Q      .         V         .         .
(PEAK DAY 1, HOUR  14.250)
110.333     70.8690     70.25  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.333)
110.417     71.3644     71.93  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.417)
110.500     71.8716     73.65  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.500)
110.583     72.3913     75.46  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.583)
110.667     72.9242     77.39  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.667)
110.750     73.4713     79.44  .   Q     .         .V        .         .
(PEAK DAY 1, HOUR  14.750)
110.833     74.0334     81.62  .   Q     .         .V        .         .
(PEAK DAY 1, HOUR  14.833)
110.917     74.6125     84.08  .   Q     .         .V        .         .
(PEAK DAY 1, HOUR  14.917)
111.000     75.2118     87.01  .   Q     .         .V        .         .
(PEAK DAY 1, HOUR  15.000)
111.083     75.8365     90.71  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  15.083)
111.167     76.4923     95.22  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  15.167)
111.250     77.1851    100.60  .    Q    .         . V       .         .
(PEAK DAY 1, HOUR  15.250)
111.333     77.9209    106.84  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.333)
111.417     78.6996    113.06  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.417)
111.500     79.5111    117.83  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.500)
111.583     80.3491    121.68  .     Q   .         .  V      .         .
(PEAK DAY 1, HOUR  15.583)
111.667     81.2314    128.10  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  15.667)
111.750     82.1957    140.01  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.750)
111.833     83.2834    157.93  .        Q.         .  V      .         .
(PEAK DAY 1, HOUR  15.833)
111.917     84.5593    185.26  .         Q         .   V     .         .
(PEAK DAY 1, HOUR  15.917)
112.000     86.1399    229.51  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  16.000)
112.083     88.4661    337.76  .         .        Q.    V    .         .
(PEAK DAY 1, HOUR  16.083)
112.167     91.9571    506.90  .         .         .     V Q .         .
(PEAK DAY 1, HOUR  16.167)
112.250     96.3002    630.61  .         .         .      V  .     Q   .
(PEAK DAY 1, HOUR  16.250)
112.333    100.2459    572.92  .         .         .       V . Q       .
(PEAK DAY 1, HOUR  16.333)
112.417    103.1874    427.11  .         .         .   Q    V.         .
(PEAK DAY 1, HOUR  16.417)
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 112.500    105.4805    332.96  .          .         Q.         V         .
(PEAK DAY 1, HOUR  16.500)
 112.583    107.4393    284.42  .          .     Q   .         V         .
(PEAK DAY 1, HOUR  16.583)
 112.667    109.1666    250.80  .          .   Q     .         .V        .
(PEAK DAY 1, HOUR  16.667)
 112.750    110.6897    221.16  .          . Q       .         .V        .
(PEAK DAY 1, HOUR  16.750)
 112.833    112.0484    197.28  .          .Q        .         . V       .
(PEAK DAY 1, HOUR  16.833)
 112.917    113.2786    178.63  .          Q         .         . V       .
(PEAK DAY 1, HOUR  16.917)
 113.000    114.3999    162.81  .        Q.          .         . V       .
(PEAK DAY 1, HOUR  17.000)
 113.083    115.4265    149.07  .       Q .          .         .  V      .
(PEAK DAY 1, HOUR  17.083)
 113.167    116.3665    136.48  .      Q  .          .         .  V      .
(PEAK DAY 1, HOUR  17.167)
 113.250    117.2360    126.24  .      Q  .          .         .  V      .
(PEAK DAY 1, HOUR  17.250)
 113.333    118.0425    117.11  .     Q   .          .         .  V      .
(PEAK DAY 1, HOUR  17.333)
 113.417    118.8097    111.40  .     Q   .          .         .   V     .
(PEAK DAY 1, HOUR  17.417)
 113.500    119.5417    106.29  .     Q   .          .         .   V     .
(PEAK DAY 1, HOUR  17.500)
 113.583    120.2453    102.15  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.583)
 113.667    120.9185     97.75  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.667)
 113.750    121.5674     94.22  .    Q    .          .         .   V     .
(PEAK DAY 1, HOUR  17.750)
 113.833    122.1886     90.20  .    Q    .          .         .    V    .
(PEAK DAY 1, HOUR  17.833)
 113.917    122.7854     86.66  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  17.917)
 114.000    123.3617     83.68  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  18.000)
 114.083    123.9081     79.33  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  18.083)
 114.167    124.4278     75.48  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  18.167)
 114.250    124.9180     71.17  .   Q     .          .         .    V    .
(PEAK DAY 1, HOUR  18.250)
 114.333    125.3749     66.35  .  Q      .          .         .    V    .
(PEAK DAY 1, HOUR  18.333)
 114.417    125.7995     61.64  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.417)
 114.500    126.2051     58.90  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.500)
 114.583    126.5940     56.47  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.583)
 114.667    126.9651     53.89  .  Q      .          .         .     V   .
(PEAK DAY 1, HOUR  18.667)
 114.750    127.3064     49.55  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.750)
 114.833    127.6234     46.02  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.833)
 114.917    127.9294     44.44  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  18.917)
 115.000    128.2266     43.15  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  19.000)
 115.083    128.5158     41.99  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  19.083)
 115.167    128.7977     40.93  . Q       .          .         .     V   .
(PEAK DAY 1, HOUR  19.167)
 115.250    129.0729     39.96  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.250)
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 115.333    129.3420     39.07  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.333)
 115.417    129.6053     38.24  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.417)
 115.500    129.8631     37.43  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.500)
 115.583    130.1157     36.68  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.583)
 115.667    130.3634     35.96  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.667)
 115.750    130.6062     35.25  . Q       .          .         .      V  .
(PEAK DAY 1, HOUR  19.750)
 115.833    130.8441     34.56  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.833)
 115.917    131.0773     33.85  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  19.917)
 116.000    131.3054     33.13  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.000)
 116.083    131.5281     32.33  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.083)
 116.167    131.7443     31.40  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.167)
 116.250    131.9476     29.51  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.250)
 116.333    132.1442     28.55  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.333)
 116.417    132.3369     27.98  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.417)
 116.500    132.5261     27.48  .Q        .          .         .      V  .
(PEAK DAY 1, HOUR  20.500)
 116.583    132.7121     27.00  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.583)
 116.667    132.8950     26.56  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.667)
 116.750    133.0751     26.15  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.750)
 116.833    133.2526     25.78  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.833)
 116.917    133.4277     25.42  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  20.917)
 117.000    133.6004     25.08  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.000)
 117.083    133.7708     24.75  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.083)
 117.167    133.9391     24.43  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.167)
 117.250    134.1053     24.13  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.250)
 117.333    134.2694     23.83  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.333)
 117.417    134.4316     23.55  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.417)
 117.500    134.5918     23.27  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.500)
 117.583    134.7503     23.00  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.583)
 117.667    134.9069     22.74  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.667)
 117.750    135.0618     22.49  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.750)
 117.833    135.2150     22.25  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.833)
 117.917    135.3666     22.01  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  21.917)
 118.000    135.5165     21.77  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  22.000)
 118.083    135.6649     21.55  .Q        .          .         .       V .
(PEAK DAY 1, HOUR  22.083)
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118.167	135.8118	21.33	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 22.167)									
118.250	135.9573	21.12	.Q	.	.	.	V	.	
(PEAK DAY 1, HOUR 22.250)									
118.333	136.1014	20.92	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 22.333)									
118.417	136.2441	20.73	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 22.417)									
118.500	136.3856	20.54	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 22.500)									
118.583	136.5257	20.35	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 22.583)									
118.667	136.6646	20.17	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 22.667)									
118.750	136.8023	19.99	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 22.750)									
118.833	136.9388	19.82	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 22.833)									
118.917	137.0741	19.65	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 22.917)									
119.000	137.2083	19.48	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.000)									
119.083	137.3414	19.32	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.083)									
119.167	137.4734	19.16	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.167)									
119.250	137.6043	19.01	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.250)									
119.333	137.7341	18.86	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.333)									
119.417	137.8630	18.71	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.417)									
119.500	137.9908	18.56	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.500)									
119.583	138.1177	18.42	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.583)									
119.667	138.2436	18.28	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.667)									
119.750	138.3686	18.15	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.750)									
119.833	138.4927	18.01	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.833)									
119.917	138.6158	17.88	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 23.917)									
120.000	138.7381	17.75	.Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.000)									
120.083	138.8558	17.09	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.083)									
120.167	138.9599	15.13	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.167)									
120.250	139.0420	11.91	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.250)									
120.333	139.1041	9.02	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.333)									
120.417	139.1541	7.26	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.417)									
120.500	139.1965	6.15	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.500)									
120.583	139.2330	5.30	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.583)									
120.667	139.2646	4.60	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.667)									
120.750	139.2924	4.03	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.750)									
120.833	139.3169	3.56	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.833)									
120.917	139.3386	3.15	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 24.917)									
121.000	139.3580	2.81	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.000)									
121.083	139.3753	2.51	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.083)									
121.167	139.3909	2.27	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.167)									
121.250	139.4051	2.06	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.250)									
121.333	139.4180	1.89	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.333)									
121.417	139.4299	1.72	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.417)									
121.500	139.4408	1.58	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.500)									
121.583	139.4506	1.43	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.583)									
121.667	139.4596	1.30	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.667)									
121.750	139.4676	1.17	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.750)									
121.833	139.4749	1.06	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.833)									
121.917	139.4814	0.95	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 25.917)									
122.000	139.4873	0.84	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.000)									
122.083	139.4925	0.76	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.083)									
122.167	139.4971	0.67	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.167)									
122.250	139.5012	0.59	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.250)									
122.333	139.5047	0.52	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.333)									
122.417	139.5079	0.46	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.417)									
122.500	139.5107	0.40	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.500)									
122.583	139.5130	0.35	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.583)									
122.667	139.5151	0.29	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.667)									
122.750	139.5168	0.26	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.750)									
122.833	139.5185	0.24	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.833)									
122.917	139.5201	0.23	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 26.917)									
123.000	139.5216	0.21	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 27.000)									
123.083	139.5229	0.20	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 27.083)									
123.167	139.5242	0.18	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 27.167)									
123.250	139.5253	0.17	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 27.250)									
123.333	139.5264	0.15	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 27.333)									
123.417	139.5273	0.13	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 27.417)									
123.500	139.5281	0.12	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 27.500)									
123.583	139.5288	0.10	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 27.583)									
123.667	139.5294	0.09	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 27.667)									
123.750	139.5300	0.08	Q	.	.	.		V.	
(PEAK DAY 1, HOUR 27.750)									

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 123.833    139.5304      0.06  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.833)
 123.917    139.5307      0.05  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.917)
 124.000    139.5309      0.03  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  28.000)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5341.3 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6330.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5341.3 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      425.0     850.0    1275.0    1700.0
--------------------------------------------------------------------------------
  96.000    530.4213    301.71  .      Q V.          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    532.4938    300.93  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    534.5730    301.91  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    536.6720    304.78  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    538.7904    307.60  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    540.9185    308.99  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    543.0496    309.44  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    545.1816    309.58  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    547.3140    309.62  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    549.4462    309.60  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    551.5781    309.55  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    553.7095    309.48  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    555.8402    309.38  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    557.9701    309.26  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    560.0989    309.10  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    562.2266    308.94  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    564.3531    308.77  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    566.4785    308.61  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    568.6029    308.46  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    570.7264    308.33  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    572.8488    308.17  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    574.9695    307.94  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    577.0884    307.66  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    579.2052    307.36  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    581.3201    307.08  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    583.4330    306.79  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    585.5439    306.52  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    587.6531    306.25  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    589.7606    306.00  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    591.8661    305.73  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    593.9699    305.47  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    596.0720    305.22  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    598.1724    304.98  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    600.2711    304.73  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    602.3681    304.49  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    604.4636    304.26  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    606.5576    304.05  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    608.6501    303.85  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    610.7415    303.66  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    612.8315    303.49  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    614.9205    303.32  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    617.0085    303.18  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    619.0956    303.04  .      Q V.          .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    621.1818    302.92  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    623.2673    302.81  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   3.667)
  99.750    625.3520    302.70  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   3.750)
  99.833    627.4361    302.61  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   3.833)
  99.917    629.5197    302.53  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   3.917)
 100.000    631.6027    302.47  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   4.000)
 100.083    633.6854    302.41  .      Q .V          .          .          .
 (PEAK DAY 1, HOUR   4.083)
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 100.167    635.7679    302.37  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.167)
 100.250    637.8501    302.33  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.250)
 100.333    639.9321    302.31  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.333)
 100.417    642.0140    302.29  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.417)
 100.500    644.0959    302.29  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.500)
 100.583    646.1779    302.30  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.583)
 100.667    648.2600    302.32  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.667)
 100.750    650.3423    302.36  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.750)
 100.833    652.4250    302.41  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.833)
 100.917    654.5081    302.47  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   4.917)
 101.000    656.5917    302.54  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.000)
 101.083    658.6759    302.62  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.083)
 101.167    660.7607    302.72  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.167)
 101.250    662.8464    302.83  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.250)
 101.333    664.9328    302.95  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.333)
 101.417    667.0202    303.09  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.417)
 101.500    669.1086    303.24  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.500)
 101.583    671.1981    303.40  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.583)
 101.667    673.2888    303.57  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.667)
 101.750    675.3809    303.76  .      Q  .V       .         .         .
(PEAK DAY 1, HOUR   5.750)
 101.833    677.4742    303.96  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   5.833)
 101.917    679.5691    304.18  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   5.917)
 102.000    681.6655    304.40  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.000)
 102.083    683.7636    304.64  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.083)
 102.167    685.8635    304.90  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.167)
 102.250    687.9651    305.17  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.250)
 102.333    690.0688    305.45  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.333)
 102.417    692.1745    305.75  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.417)
 102.500    694.2823    306.06  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.500)
 102.583    696.3924    306.38  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.583)
 102.667    698.5048    306.72  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.667)
 102.750    700.6196    307.07  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.750)
 102.833    702.7369    307.44  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.833)
 102.917    704.8569    307.82  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   6.917)
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 103.000    706.9797    308.22  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.000)
 103.083    709.1052    308.63  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.083)
 103.167    711.2338    309.06  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.167)
 103.250    713.3653    309.50  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.250)
 103.333    715.5000    309.96  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.333)
 103.417    717.6380    310.44  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.417)
 103.500    719.7794    310.92  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.500)
 103.583    721.9242    311.43  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.583)
 103.667    724.0726    311.95  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.667)
 103.750    726.2248    312.49  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.750)
 103.833    728.3807    313.05  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.833)
 103.917    730.5406    313.62  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   7.917)
 104.000    732.7047    314.21  .      Q  . V      .         .         .
(PEAK DAY 1, HOUR   8.000)
 104.083    734.8728    314.82  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.083)
 104.167    737.0453    315.44  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.167)
 104.250    739.2222    316.08  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.250)
 104.333    741.4036    316.74  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.333)
 104.417    743.5897    317.42  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.417)
 104.500    745.7806    318.12  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.500)
 104.583    747.9765    318.84  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.583)
 104.667    750.1774    319.57  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.667)
 104.750    752.3835    320.33  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.750)
 104.833    754.5950    321.11  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.833)
 104.917    756.8120    321.90  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   8.917)
 105.000    759.0346    322.72  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.000)
 105.083    761.2629    323.56  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.083)
 105.167    763.4972    324.42  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.167)
 105.250    765.7375    325.30  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.250)
 105.333    767.9841    326.20  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.333)
 105.417    770.2371    327.13  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.417)
 105.500    772.4965    328.08  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.500)
 105.583    774.7626    329.03  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.583)
 105.667    777.0349    329.94  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.667)
 105.750    779.3132    330.80  .      Q  .  V     .         .         .
(PEAK DAY 1, HOUR   9.750)
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 105.833    781.5972    331.64  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   9.833)
 105.917    783.8871    332.49  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR   9.917)
 106.000    786.1830    333.37  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR  10.000)
 106.083    788.4851    334.26  .      Q  .  V      .         .         .
(PEAK DAY 1, HOUR  10.083)
 106.167    790.7935    335.17  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR  10.167)
 106.250    793.1083    336.11  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR  10.250)
 106.333    795.4297    337.07  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR  10.333)
 106.417    797.7580    338.06  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR  10.417)
 106.500    800.0932    339.07  .      Q  .   V     .         .         .
(PEAK DAY 1, HOUR  10.500)
 106.583    802.4355    340.11  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  10.583)
 106.667    804.7852    341.17  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  10.667)
 106.750    807.1424    342.27  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  10.750)
 106.833    809.5073    343.39  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  10.833)
 106.917    811.8801    344.53  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  10.917)
 107.000    814.2610    345.71  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.000)
 107.083    816.6503    346.92  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.083)
 107.167    819.0482    348.16  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.167)
 107.250    821.4547    349.44  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.250)
 107.333    823.8703    350.74  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.333)
 107.417    826.2951    352.08  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.417)
 107.500    828.7294    353.46  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.500)
 107.583    831.1735    354.88  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.583)
 107.667    833.6276    356.33  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.667)
 107.750    836.0920    357.83  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.750)
 107.833    838.5670    359.36  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.833)
 107.917    841.0528    360.94  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  11.917)
 108.000    843.5498    362.57  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  12.000)
 108.083    846.0618    364.75  .       Q .   V     .         .         .
(PEAK DAY 1, HOUR  12.083)
 108.167    848.5994    368.46  .       Q .    V    .         .         .
(PEAK DAY 1, HOUR  12.167)
 108.250    851.1739    373.81  .       Q .    V    .         .         .
(PEAK DAY 1, HOUR  12.250)
 108.333    853.7852    379.16  .       Q .    V    .         .         .
(PEAK DAY 1, HOUR  12.333)
 108.417    856.4252    383.34  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.417)
 108.500    859.0889    386.77  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.500)
 108.583    861.7750    390.01  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.583)
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 108.667    864.4831    393.22  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.667)
 108.750    867.2136    396.47  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.750)
 108.833    869.9668    399.76  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.833)
 108.917    872.7430    403.10  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  12.917)
 109.000    875.5422    406.45  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.000)
 109.083    878.3642    409.75  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.083)
 109.167    881.2086    413.01  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.167)
 109.250    884.0757    416.31  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.250)
 109.333    886.9661    419.68  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.333)
 109.417    889.8804    423.16  .        Q.    V    .         .         .
(PEAK DAY 1, HOUR  13.417)
 109.500    892.8195    426.74  .         Q    V    .         .         .
(PEAK DAY 1, HOUR  13.500)
 109.583    895.7841    430.46  .         Q    V    .         .         .
(PEAK DAY 1, HOUR  13.583)
 109.667    898.7751    434.30  .         Q    V    .         .         .
(PEAK DAY 1, HOUR  13.667)
 109.750    901.7937    438.31  .         Q    V    .         .         .
(PEAK DAY 1, HOUR  13.750)
 109.833    904.8411    442.47  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  13.833)
 109.917    907.9184    446.83  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  13.917)
 110.000    911.0271    451.38  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  14.000)
 110.083    914.1691    456.21  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  14.083)
 110.167    917.3464    461.35  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  14.167)
 110.250    920.5599    466.59  .         Q     V   .         .         .
(PEAK DAY 1, HOUR  14.250)
 110.333    923.8080    471.63  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.333)
 110.417    927.0898    476.52  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.417)
 110.500    930.4065    481.58  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.500)
 110.583    933.7606    487.02  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.583)
 110.667    937.1558    492.97  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.667)
 110.750    940.5961    499.53  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.750)
 110.833    944.0869    506.87  .         .Q    V   .         .         .
(PEAK DAY 1, HOUR  14.833)
 110.917    947.6357    515.29  .         . Q   V   .         .         .
(PEAK DAY 1, HOUR  14.917)
 111.000    951.2521    525.09  .         . Q   V   .         .         .
(PEAK DAY 1, HOUR  15.000)
 111.083    954.9462    536.39  .         . Q   V   .         .         .
(PEAK DAY 1, HOUR  15.083)
 111.167    958.7275    549.05  .         . Q   V   .         .         .
(PEAK DAY 1, HOUR  15.167)
 111.250    962.6063    563.19  .         .  Q   V  .         .         .
(PEAK DAY 1, HOUR  15.250)
 111.333    966.5941    579.03  .         .  Q   V  .         .         .
(PEAK DAY 1, HOUR  15.333)
 111.417    970.6938    595.29  .         .   Q  V  .         .         .
(PEAK DAY 1, HOUR  15.417)
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 111.500    974.8882    609.02  .         .   Q  V  .         .         .
(PEAK DAY 1, HOUR  15.500)
 111.583    979.1621    620.58  .         .   Q  V  .         .         .
(PEAK DAY 1, HOUR  15.583)
 111.667    983.5450    636.41  .         .   Q  V  .         .         .
(PEAK DAY 1, HOUR  15.667)
 111.750    988.1083    662.58  .         .    Q V  .         .         .
(PEAK DAY 1, HOUR  15.750)
 111.833    992.9355    700.92  .         .     QV  .         .         .
(PEAK DAY 1, HOUR  15.833)
 111.917    998.1481    756.87  .         .      Q  .         .         .
(PEAK DAY 1, HOUR  15.917)
 112.000   1003.9661    844.76  .         .      V Q.         .         .
(PEAK DAY 1, HOUR  16.000)
 112.083   1011.1546   1043.78  .         .      V  .   Q     .         .
(PEAK DAY 1, HOUR  16.083)
 112.167   1020.6707   1381.73  .         .       V .         . Q       .
(PEAK DAY 1, HOUR  16.167)
 112.250   1032.1061   1660.43  .         .       V .         .        Q.
(PEAK DAY 1, HOUR  16.250)
 112.333   1043.1368   1601.66  .         .       V .         .      Q  .
(PEAK DAY 1, HOUR  16.333)
 112.417   1052.2742   1326.73  .         .       V .         .Q        .
(PEAK DAY 1, HOUR  16.417)
 112.500   1059.9978   1121.47  .         .       V .      Q  .         .
(PEAK DAY 1, HOUR  16.500)
 112.583   1067.0259   1020.47  .         .       V .   Q     .         .
(PEAK DAY 1, HOUR  16.583)
 112.667   1073.6063    955.49  .         .        V. Q       .         .
(PEAK DAY 1, HOUR  16.667)
 112.750   1079.8141    901.38  .         .        V.Q        .         .
(PEAK DAY 1, HOUR  16.750)
 112.833   1085.7117    856.32  .         .        VQ         .         .
(PEAK DAY 1, HOUR  16.833)
 112.917   1091.3558    819.53  .         .        Q.         .         .
(PEAK DAY 1, HOUR  16.917)
 113.000   1096.7831    788.03  .         .       QV.         .         .
(PEAK DAY 1, HOUR  17.000)
 113.083   1102.0281    761.58  .         .      Q V.         .         .
(PEAK DAY 1, HOUR  17.083)
 113.167   1107.1189    739.18  .         .      Q V.         .         .
(PEAK DAY 1, HOUR  17.167)
 113.250   1112.0918    722.07  .         .     Q  V.         .         .
(PEAK DAY 1, HOUR  17.250)
 113.333   1116.9706    708.41  .         .     Q  V.         .         .
(PEAK DAY 1, HOUR  17.333)
 113.417   1121.7854    699.11  .         .     Q  V.         .         .
(PEAK DAY 1, HOUR  17.417)
 113.500   1126.5439    690.93  .         .     Q  V.         .         .
(PEAK DAY 1, HOUR  17.500)
 113.583   1131.2535    683.84  .         .     Q   V         .         .
(PEAK DAY 1, HOUR  17.583)
 113.667   1135.9126    676.50  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  17.667)
 113.750   1140.5288    670.27  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  17.750)
 113.833   1145.0970    663.31  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  17.833)
 113.917   1149.6224    657.09  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  17.917)
 114.000   1154.1122    651.91  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  18.000)
 114.083   1158.5498    644.35  .         .    Q    V         .         .
(PEAK DAY 1, HOUR  18.083)
 114.167   1162.9353    636.77  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.167)
 114.250   1167.2659    628.79  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.250)
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 114.333   1171.5363    620.07  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.333)
 114.417   1175.7413    610.57  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.417)
 114.500   1179.8997    603.79  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.500)
 114.583   1184.0266    599.23  .         .   Q     V         .         .
(PEAK DAY 1, HOUR  18.583)
 114.667   1188.1260    595.23  .         .   Q     .V        .         .
(PEAK DAY 1, HOUR  18.667)
 114.750   1192.1871    589.68  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  18.750)
 114.833   1196.2164    585.05  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  18.833)
 114.917   1200.2278    582.45  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  18.917)
 115.000   1204.2240    580.24  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.000)
 115.083   1208.2063    578.24  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.083)
 115.167   1212.1758    576.37  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.167)
 115.250   1216.1332    574.62  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.250)
 115.333   1220.0791    572.95  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.333)
 115.417   1224.0137    571.30  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.417)
 115.500   1227.9368    569.63  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.500)
 115.583   1231.8479    567.90  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.583)
 115.667   1235.7435    565.65  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.667)
 115.750   1239.6229    563.29  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  19.750)
 115.833   1243.4902    561.54  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  19.833)
 115.917   1247.3479    560.14  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  19.917)
 116.000   1251.1963    558.79  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  20.000)
 116.083   1255.0352    557.40  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  20.083)
 116.167   1258.8636    555.90  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  20.167)
 116.250   1262.6754    553.46  .         .  Q      . V       .         .
(PEAK DAY 1, HOUR  20.250)
 116.333   1266.4768    551.97  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.333)
 116.417   1270.2708    550.89  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.417)
 116.500   1274.0580    549.91  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.500)
 116.583   1277.8386    548.95  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.583)
 116.667   1281.6130    548.04  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.667)
 116.750   1285.3815    547.17  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.750)
 116.833   1289.1442    546.34  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.833)
 116.917   1292.9014    545.54  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  20.917)
 117.000   1296.6531    544.75  .         . Q       . V       .         .
(PEAK DAY 1, HOUR  21.000)
 117.083   1300.3995    543.98  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.083)
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 117.167   1304.1407    543.23  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.167)
 117.250   1307.8770    542.50  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.250)
 117.333   1311.6082    541.77  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.333)
 117.417   1315.3345    541.07  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.417)
 117.500   1319.0560    540.37  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.500)
 117.583   1322.7728    539.69  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.583)
 117.667   1326.4851    539.02  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.667)
 117.750   1330.1929    538.36  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.750)
 117.833   1333.8961    537.72  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.833)
 117.917   1337.5951    537.08  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  21.917)
 118.000   1341.2897    536.46  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  22.000)
 118.083   1344.9800    535.84  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  22.083)
 118.167   1348.6661    535.23  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  22.167)
 118.250   1352.3483    534.64  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  22.250)
 118.333   1356.0264    534.05  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.333)
 118.417   1359.7004    533.47  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.417)
 118.500   1363.3706    532.90  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.500)
 118.583   1367.0369    532.34  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.583)
 118.667   1370.6992    531.78  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.667)
 118.750   1374.3578    531.22  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.750)
 118.833   1378.0126    530.68  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.833)
 118.917   1381.6637    530.13  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  22.917)
 119.000   1385.3110    529.60  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.000)
 119.083   1388.9547    529.06  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.083)
 119.167   1392.5947    528.54  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.167)
 119.250   1396.2312    528.01  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.250)
 119.333   1399.8641    527.49  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.333)
 119.417   1403.4935    526.98  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.417)
 119.500   1407.1194    526.47  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  23.500)
 119.583   1410.7417    525.96  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  23.583)
 119.667   1414.3606    525.46  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  23.667)
 119.750   1417.9761    524.96  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  23.750)
 119.833   1421.5881    524.46  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  23.833)
 119.917   1425.1968    523.97  .         . Q       .    V    .         .
(PEAK DAY 1, HOUR  23.917)
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 120.000   1428.8020    523.48  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  24.000)
 120.083   1432.3983    522.18  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  24.083)
 120.167   1435.9695    518.54  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  24.167)
 120.250   1439.4985    512.42  .         . Q       .  V      .         .
(PEAK DAY 1, HOUR  24.250)
 120.333   1442.9866    506.47  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.333)
 120.417   1446.4478    502.56  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.417)
 120.500   1449.8915    500.04  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.500)
 120.583   1453.3217    498.06  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.583)
 120.667   1456.7402    496.38  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.667)
 120.750   1460.1489    494.95  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.750)
 120.833   1463.5490    493.68  .         .Q        .  V      .         .
(PEAK DAY 1, HOUR  24.833)
 120.917   1466.9410    492.53  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  24.917)
 121.000   1470.3259    491.48  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.000)
 121.083   1473.7043    490.54  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.083)
 121.167   1477.0768    489.68  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.167)
 121.250   1480.4438    488.90  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.250)
 121.333   1483.8059    488.17  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.333)
 121.417   1487.1631    487.46  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.417)
 121.500   1490.5155    486.77  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.500)
 121.583   1493.8633    486.10  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.583)
 121.667   1497.2065    485.45  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.667)
 121.750   1500.5454    484.80  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.750)
 121.833   1503.8800    484.18  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.833)
 121.917   1507.2104    483.58  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  25.917)
 122.000   1510.5367    482.98  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  26.000)
 122.083   1513.8591    482.40  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  26.083)
 122.167   1517.1776    481.85  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  26.167)
 122.250   1520.4923    481.29  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  26.250)
 122.333   1523.8032    480.75  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.333)
 122.417   1527.1107    480.24  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.417)
 122.500   1530.4148    479.75  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.500)
 122.583   1533.7155    479.26  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.583)
 122.667   1537.0128    478.78  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.667)
 122.750   1540.3070    478.32  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  26.750)
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 122.833   1543.5981    477.87  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  26.833)
 122.917   1546.8862    477.42  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  26.917)
 123.000   1550.1711    476.98  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.000)
 123.083   1553.4530    476.53  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.083)
 123.167   1556.7318    476.09  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.167)
 123.250   1560.0076    475.64  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1563.2803    475.20  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1566.5499    474.76  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.417)
 123.500   1569.8165    474.31  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.500)
 123.583   1573.0801    473.87  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.583)
 123.667   1576.3407    473.43  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.667)
 123.750   1579.5983    473.00  .         .Q        .      V  .         .
 (PEAK DAY 1, HOUR  27.750)
 123.833   1582.8529    472.58  .         .Q        .       V .         .
 (PEAK DAY 1, HOUR  27.833)
 123.917   1586.1047    472.17  .         .Q        .       V .         .
 (PEAK DAY 1, HOUR  27.917)
 124.000   1589.3539    471.78  .         .Q        .       V .         .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
===============================================================================


*******************************************************************************
  FLOW PROCESS FROM NODE   6330.00 TO NODE   6355.00 IS CODE = 5.2
-------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
===============================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  5341.3 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     375.00
           DOWNSTREAM ELEVATION(FT) =     314.00
           CHANNEL LENGTH(FT) =    6086.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  1660.43
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  1155.84
           CHANNEL NORMAL VELOCITY FOR Q =  1155.84 CFS =   8.31 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.830

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.691
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CONVEX METHOD CHANNEL ROUTING RESULTS:

PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	301.71	305.18	305.18
1	0.083	96.083	300.93	303.77	303.77
1	0.167	96.167	301.91	302.38	302.38
1	0.250	96.250	304.78	301.39	301.39
1	0.333	96.333	307.60	301.73	301.73
1	0.417	96.417	308.99	303.78	303.78
1	0.500	96.500	309.44	306.36	306.36
1	0.583	96.583	309.58	308.15	308.15
1	0.667	96.667	309.62	309.03	309.03
1	0.750	96.750	309.60	309.41	309.41
1	0.833	96.833	309.55	309.55	309.55
1	0.917	96.917	309.48	309.59	309.59
1	1.000	97.000	309.38	309.56	309.56
1	1.083	97.083	309.26	309.51	309.51
1	1.167	97.167	309.10	309.42	309.42
1	1.250	97.250	308.94	309.31	309.31
1	1.333	97.333	308.77	309.17	309.17
1	1.417	97.417	308.61	309.01	309.01
1	1.500	97.500	308.46	308.85	308.85
1	1.583	97.583	308.33	308.69	308.69
1	1.667	97.667	308.17	308.54	308.54
1	1.750	97.750	307.94	308.40	308.40
1	1.833	97.833	307.66	308.24	308.24
1	1.917	97.917	307.36	308.04	308.04
1	2.000	98.000	307.08	307.78	307.78
1	2.083	98.083	306.79	307.50	307.50
1	2.167	98.167	306.52	307.21	307.21
1	2.250	98.250	306.25	306.93	306.93
1	2.333	98.333	306.00	306.65	306.65
1	2.417	98.417	305.73	306.38	306.38
1	2.500	98.500	305.47	306.12	306.12
1	2.583	98.583	305.22	305.86	305.86
1	2.667	98.667	304.98	305.59	305.59
1	2.750	98.750	304.73	305.34	305.34
1	2.833	98.833	304.49	305.09	305.09
1	2.917	98.917	304.26	304.85	304.85
1	3.000	99.000	304.05	304.61	304.61
1	3.083	99.083	303.85	304.37	304.37
1	3.167	99.167	303.66	304.15	304.15
1	3.250	99.250	303.49	303.95	303.95
1	3.333	99.333	303.32	303.75	303.75
1	3.417	99.417	303.18	303.57	303.57
1	3.500	99.500	303.04	303.40	303.40
1	3.583	99.583	302.92	303.25	303.25
1	3.667	99.667	302.81	303.11	303.11
1	3.750	99.750	302.70	302.98	302.98
1	3.833	99.833	302.61	302.86	302.86
1	3.917	99.917	302.53	302.75	302.75
1	4.000	100.000	302.47	302.66	302.66
1	4.083	100.083	302.41	302.57	302.57
1	4.167	100.167	302.37	302.50	302.50
1	4.250	100.250	302.33	302.44	302.44
1	4.333	100.333	302.31	302.39	302.39
1	4.417	100.417	302.29	302.35	302.35
1	4.500	100.500	302.29	302.32	302.32
1	4.583	100.583	302.30	302.30	302.30
1	4.667	100.667	302.32	302.29	302.29
1	4.750	100.750	302.36	302.30	302.30
1	4.833	100.833	302.41	302.32	302.32
1	4.917	100.917	302.47	302.34	302.34
1	5.000	101.000	302.54	302.39	302.39

1	5.083	101.083	302.62	302.44	302.44
1	5.167	101.167	302.72	302.51	302.51
1	5.250	101.250	302.83	302.58	302.58
1	5.333	101.333	302.95	302.68	302.68
1	5.417	101.417	303.09	302.78	302.78
1	5.500	101.500	303.24	302.90	302.90
1	5.583	101.583	303.40	303.03	303.03
1	5.667	101.667	303.57	303.17	303.17
1	5.750	101.750	303.76	303.32	303.32
1	5.833	101.833	303.96	303.49	303.49
1	5.917	101.917	304.18	303.67	303.67
1	6.000	102.000	304.40	303.87	303.87
1	6.083	102.083	304.64	304.08	304.08
1	6.167	102.167	304.90	304.30	304.30
1	6.250	102.250	305.17	304.53	304.53
1	6.333	102.333	305.45	304.78	304.78
1	6.417	102.417	305.75	305.04	305.04
1	6.500	102.500	306.06	305.32	305.32
1	6.583	102.583	306.38	305.61	305.61
1	6.667	102.667	306.72	305.91	305.91
1	6.750	102.750	307.07	306.23	306.23
1	6.833	102.833	307.44	306.56	306.56
1	6.917	102.917	307.82	306.91	306.91
1	7.000	103.000	308.22	307.27	307.27
1	7.083	103.083	308.63	307.64	307.64
1	7.167	103.167	309.06	308.03	308.03
1	7.250	103.250	309.50	308.44	308.44
1	7.333	103.333	309.96	308.86	308.86
1	7.417	103.417	310.44	309.30	309.30
1	7.500	103.500	310.92	309.75	309.75
1	7.583	103.583	311.43	310.21	310.21
1	7.667	103.667	311.95	310.70	310.70
1	7.750	103.750	312.49	311.19	311.19
1	7.833	103.833	313.05	311.71	311.71
1	7.917	103.917	313.62	312.24	312.24
1	8.000	104.000	314.21	312.79	312.79
1	8.083	104.083	314.82	313.35	313.35
1	8.167	104.167	315.44	313.93	313.93
1	8.250	104.250	316.08	314.53	314.53
1	8.333	104.333	316.74	315.15	315.15
1	8.417	104.417	317.42	315.78	315.78
1	8.500	104.500	318.12	316.43	316.43
1	8.583	104.583	318.84	317.10	317.10
1	8.667	104.667	319.57	317.79	317.79
1	8.750	104.750	320.33	318.50	318.50
1	8.833	104.833	321.11	319.23	319.23
1	8.917	104.917	321.90	319.98	319.98
1	9.000	105.000	322.72	320.74	320.74
1	9.083	105.083	323.56	321.53	321.53
1	9.167	105.167	324.42	322.34	322.34
1	9.250	105.250	325.30	323.16	323.16
1	9.333	105.333	326.20	324.01	324.01
1	9.417	105.417	327.13	324.88	324.88
1	9.500	105.500	328.08	325.78	325.78
1	9.583	105.583	329.03	326.69	326.69
1	9.667	105.667	329.94	327.63	327.63
1	9.750	105.750	330.80	328.58	328.58
1	9.833	105.833	331.64	329.50	329.50
1	9.917	105.917	332.49	330.38	330.38
1	10.000	106.000	333.37	331.24	331.24
1	10.083	106.083	334.26	332.09	332.09
1	10.167	106.167	335.17	332.95	332.95
1	10.250	106.250	336.11	333.84	333.84
1	10.333	106.333	337.07	334.74	334.74
1	10.417	106.417	338.06	335.67	335.67
1	10.500	106.500	339.07	336.62	336.62
1	10.583	106.583	340.11	337.60	337.60
1	10.667	106.667	341.17	338.60	338.60
1	10.750	106.750	342.27	339.62	339.62
1	10.833	106.833	343.39	340.68	340.68
1	10.917	106.917	344.53	341.75	341.75
1	11.000	107.000	345.71	342.86	342.86
1	11.083	107.083	346.92	344.00	344.00
1	11.167	107.167	348.16	345.16	345.16
1	11.250	107.250	349.44	346.35	346.35
1	11.333	107.333	350.74	347.58	347.58
1	11.417	107.417	352.08	348.84	348.84
1	11.500	107.500	353.46	350.13	350.13
1	11.583	107.583	354.88	351.46	351.46
1	11.667	107.667	356.33	352.82	352.82
1	11.750	107.750	357.83	354.21	354.21
1	11.833	107.833	359.36	355.65	355.65
1	11.917	107.917	360.94	357.13	357.13
1	12.000	108.000	362.57	358.64	358.64
1	12.083	108.083	364.75	360.20	360.20
1	12.167	108.167	368.46	361.81	361.81
1	12.250	108.250	373.81	363.80	363.80
1	12.333	108.333	379.16	366.95	366.95
1	12.417	108.417	383.34	371.59	371.59
1	12.500	108.500	386.77	376.72	376.72
1	12.583	108.583	390.01	381.21	381.21
1	12.667	108.667	393.22	384.99	384.99
1	12.750	108.750	396.47	388.40	388.40
1	12.833	108.833	399.76	391.67	391.67
1	12.917	108.917	403.10	394.93	394.93
1	13.000	109.000	406.45	398.20	398.20
1	13.083	109.083	409.75	401.53	401.53
1	13.167	109.167	413.01	404.87	404.87
1	13.250	109.250	416.31	408.18	408.18
1	13.333	109.333	419.68	411.45	411.45
1	13.417	109.417	423.16	414.75	414.75
1	13.500	109.500	426.74	418.10	418.10
1	13.583	109.583	430.46	421.53	421.53
1	13.667	109.667	434.30	425.07	425.07
1	13.750	109.750	438.31	428.72	428.72
1	13.833	109.833	442.47	432.50	432.50
1	13.917	109.917	446.83	436.44	436.44
1	14.000	110.000	451.38	440.53	440.53
1	14.083	110.083	456.21	444.80	444.80
1	14.167	110.167	461.35	449.26	449.26
1	14.250	110.250	466.59	453.97	453.97
1	14.333	110.333	471.63	458.98	458.98
1	14.417	110.417	476.52	464.14	464.14
1	14.500	110.500	481.58	469.22	469.22
1	14.583	110.583	487.02	474.18	474.18
1	14.667	110.667	492.97	479.20	479.20
1	14.750	110.750	499.53	484.50	484.50
1	14.833	110.833	506.87	490.24	490.24
1	14.917	110.917	515.29	496.54	496.54
1	15.000	111.000	525.09	503.54	503.54
1	15.083	111.083	536.39	511.50	511.50
1	15.167	111.167	549.05	520.71	520.71
1	15.250	111.250	563.19	531.33	531.33
1	15.333	111.333	579.03	543.34	543.34
1	15.417	111.417	595.29	556.79	556.79
1	15.500	111.500	609.02	571.86	571.86
1	15.583	111.583	620.58	587.74	587.74
1	15.667	111.667	636.41	602.19	602.19
1	15.750	111.750	662.58	614.68	614.68
1	15.833	111.833	700.92	629.39	629.39
1	15.917	111.917	756.87	651.84	651.84
1	16.000	112.000	844.76	685.03	685.03
1	16.083	112.083	1043.78	733.62	733.62
1	16.167	112.167	1381.73	808.77	808.77
1	16.250	112.250	1660.43	967.43	967.43
1	16.333	112.333	1601.66	1247.38	1247.38

1	16.417	112.417	1326.73	1527.57	1527.57
1	16.500	112.500	1121.47	1579.85	1579.85
1	16.583	112.583	1020.47	1410.09	1410.09
1	16.667	112.667	955.49	1214.50	1214.50
1	16.750	112.750	901.38	1082.33	1082.33
1	16.833	112.833	856.32	995.90	995.90
1	16.917	112.917	819.53	931.60	931.60
1	17.000	113.000	788.03	880.43	880.43
1	17.083	113.083	761.58	839.04	839.04
1	17.167	113.167	739.18	804.38	804.38
1	17.250	113.250	722.07	775.30	775.30
1	17.333	113.333	708.41	750.76	750.76
1	17.417	113.417	699.11	731.26	731.26
1	17.500	113.500	690.93	715.72	715.72
1	17.583	113.583	683.84	704.42	704.42
1	17.667	113.667	676.50	695.25	695.25
1	17.750	113.750	670.27	687.50	687.50
1	17.833	113.833	663.31	680.04	680.04
1	17.917	113.917	657.09	673.40	673.40
1	18.000	114.000	651.91	666.56	666.56
1	18.083	114.083	644.35	660.14	660.14
1	18.167	114.167	636.77	654.55	654.55
1	18.250	114.250	628.79	647.64	647.64
1	18.333	114.333	620.07	640.27	640.27
1	18.417	114.417	610.57	632.49	632.49
1	18.500	114.500	603.79	624.07	624.07
1	18.583	114.583	599.23	614.92	614.92
1	18.667	114.667	595.23	607.36	607.36
1	18.750	114.750	589.68	601.83	601.83
1	18.833	114.833	585.05	597.34	597.34
1	18.917	114.917	582.45	592.15	592.15
1	19.000	115.000	580.24	587.33	587.33
1	19.083	115.083	578.24	584.01	584.01
1	19.167	115.167	576.37	581.45	581.45
1	19.250	115.250	574.62	579.27	579.27
1	19.333	115.333	572.95	577.30	577.30
1	19.417	115.417	571.30	575.48	575.48
1	19.500	115.500	569.63	573.76	573.76
1	19.583	115.583	567.90	572.09	572.09
1	19.667	115.667	565.65	570.43	570.43
1	19.750	115.750	563.29	568.71	568.71
1	19.833	115.833	561.54	566.64	566.64
1	19.917	115.917	560.14	564.37	564.37
1	20.000	116.000	558.79	562.45	562.45
1	20.083	116.083	557.40	560.88	560.88
1	20.167	116.167	555.90	559.46	559.46
1	20.250	116.250	553.46	558.06	558.06
1	20.333	116.333	551.97	556.60	556.60
1	20.417	116.417	550.89	554.48	554.48
1	20.500	116.500	549.91	552.77	552.77
1	20.583	116.583	548.95	551.49	551.49
1	20.667	116.667	548.04	550.41	550.41
1	20.750	116.750	547.17	549.42	549.42
1	20.833	116.833	546.34	548.48	548.48
1	20.917	116.917	545.54	547.59	547.59
1	21.000	117.000	544.75	546.75	546.75
1	21.083	117.083	543.98	545.93	545.93
1	21.167	117.167	543.23	545.13	545.13
1	21.250	117.250	542.50	544.35	544.35
1	21.333	117.333	541.77	543.59	543.59
1	21.417	117.417	541.07	542.85	542.85
1	21.500	117.500	540.37	542.12	542.12
1	21.583	117.583	539.69	541.40	541.40
1	21.667	117.667	539.02	540.70	540.70
1	21.750	117.750	538.36	540.01	540.01
1	21.833	117.833	537.72	539.34	539.34
1	21.917	117.917	537.08	538.67	538.67
1	22.000	118.000	536.46	538.03	538.03
1	22.083	118.083	535.84	537.39	537.39
1	22.167	118.167	535.23	536.76	536.76
1	22.250	118.250	534.64	536.14	536.14
1	22.333	118.333	534.05	535.52	535.52
1	22.417	118.417	533.47	534.92	534.92
1	22.500	118.500	532.90	534.33	534.33
1	22.583	118.583	532.34	533.75	533.75
1	22.667	118.667	531.78	533.17	533.17
1	22.750	118.750	531.22	532.61	532.61
1	22.833	118.833	530.68	532.04	532.04
1	22.917	118.917	530.13	531.49	531.49
1	23.000	119.000	529.60	530.94	530.94
1	23.083	119.083	529.06	530.39	530.39
1	23.167	119.167	528.54	529.85	529.85
1	23.250	119.250	528.01	529.32	529.32
1	23.333	119.333	527.49	528.79	528.79
1	23.417	119.417	526.98	528.26	528.26
1	23.500	119.500	526.47	527.74	527.74
1	23.583	119.583	525.96	527.22	527.22
1	23.667	119.667	525.46	526.71	526.71
1	23.750	119.750	524.96	526.20	526.20
1	23.833	119.833	524.46	525.70	525.70
1	23.917	119.917	523.97	525.20	525.20
1	24.000	120.000	523.48	524.70	524.70
1	24.083	120.083	522.18	524.21	524.21
1	24.167	120.167	518.54	523.71	523.71
1	24.250	120.250	512.42	522.68	522.68
1	24.333	120.333	506.47	519.89	519.89
1	24.417	120.417	502.56	514.84	514.84
1	24.500	120.500	500.04	509.17	509.17
1	24.583	120.583	498.06	504.68	504.68
1	24.667	120.667	496.38	501.52	501.52
1	24.750	120.750	494.95	499.16	499.16
1	24.833	120.833	493.68	497.27	497.27
1	24.917	120.917	492.53	495.69	495.69
1	25.000	121.000	491.48	494.32	494.32
1	25.083	121.083	490.54	493.10	493.10
1	25.167	121.167	489.68	492.00	492.00
1	25.250	121.250	488.90	491.01	491.01
1	25.333	121.333	488.17	490.11	490.11
1	25.417	121.417	487.46	489.29	489.29
1	25.500	121.500	486.77	488.53	488.53
1	25.583	121.583	486.10	487.80	487.80
1	25.667	121.667	485.45	487.11	487.11
1	25.750	121.750	484.80	486.42	486.42
1	25.833	121.833	484.18	485.76	485.76
1	25.917	121.917	483.58	485.11	485.11
1	26.000	122.000	482.98	484.48	484.48
1	26.083	122.083	482.40	483.87	483.87
1	26.167	122.167	481.85	483.26	483.26
1	26.250	122.250	481.29	482.68	482.68
1	26.333	122.333	480.75	482.12	482.12
1	26.417	122.417	480.24	481.56	481.56
1	26.500	122.500	479.75	481.01	481.01
1	26.583	122.583	479.26	480.49	480.49
1	26.667	122.667	478.78	479.99	479.99
1	26.750	122.750	478.32	479.50	479.50
1	26.833	122.833	477.87	479.01	479.01
1	26.917	122.917	477.42	478.54	478.54
1	27.000	123.000	476.98	478.08	478.08
1	27.083	123.083	476.53	477.64	477.64
1	27.167	123.167	476.09	477.19	477.19
1	27.250	123.250	475.64	476.74	476.74
1	27.333	123.333	475.20	476.30	476.30
1	27.417	123.417	474.76	475.86	475.86
1	27.500	123.500	474.31	475.41	475.41
1	27.583	123.583	473.87	474.97	474.97
1	27.667	123.667	473.43	474.52	474.52

```
  1   27.750 123.750       473.00      474.08      474.08
  1   27.833 123.833       472.58      473.64      473.64
  1   27.917 123.917       472.17      473.21      473.21
  1   28.000 124.000       471.78      472.78      472.78
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   2256.634 AF
    OUTFLOW VOLUME =   2256.636 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6340.00 TO NODE   6355.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   697.9 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

     (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     697.900 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.340 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        VALLEY(UNDEVELOPED)/DESERT:
                "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.210|   0.210|   0.210|   0.210|   0.210|
        | LOW LOSS FRACTION |   0.450|   0.690|   0.900|   0.980|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.969
         30-MINUTE FACTOR = 0.969
          1-HOUR FACTOR = 0.969
          3-HOUR FACTOR = 0.995
          6-HOUR FACTOR = 0.998
         24-HOUR FACTOR = 0.999

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  24.510


        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
        MODEL TIME(HOURS) FOR END OF RESULTS = 124.00
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================================================================================
                    UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
       1                1.545               130.419
       2                7.337               488.804
       3               20.261              1090.852
       4               37.173              1427.448
       5               57.561              1720.753
       6               73.834              1373.504
       7               84.155               871.070
       8               90.157               506.624
       9               93.846               311.340
      10               95.934               176.209
      11               96.823                75.053
      12               97.453                53.201
      13               98.047                50.140
      14               98.563                43.554
      15               98.877                26.445
      16               99.042                13.975
      17               99.137                 8.025
      18               99.206                 5.797
      19               99.261                 4.649
      20               99.315                 4.546
      21               99.365                 4.228
      22               99.414                 4.161
      23               99.461                 3.902
      24               99.505                 3.743
      25               99.548                 3.674
      26               99.587                 3.272
      27               99.625                 3.204
      28               99.663                 3.169
      29               99.695                 2.719
      30               99.726                 2.582
      31               99.756                 2.583
      32               99.787                 2.570
      33               99.813                 2.195
      34               99.830                 1.492
      35               99.848                 1.489
      36               99.866                 1.488
      37               99.883                 1.487
      38               99.899                 1.328
      39               99.905                 0.518
      40               99.910                 0.406
      41               99.915                 0.406
      42               99.919                 0.404
      43               99.924                 0.406
      44               99.929                 0.406
      45               99.934                 0.405
      46               99.939                 0.408
      47               99.944                 0.405
      48               99.948                 0.408
      49               99.953                 0.404
      50               99.958                 0.405
      51               99.963                 0.405
      52               99.968                 0.405
      53               99.972                 0.405
      54               99.977                 0.404
      55               99.982                 0.405
      56               99.987                 0.405
      57               99.992                 0.405
      58               99.996                 0.405
      59              100.000                 0.311
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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     349.4661
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     322.3159
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 400.0 800.0 1200.0 1600.0
96.000	87.4798	10.14	Q V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	87.5521	10.50	Q V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	87.6352	12.06	Q V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	87.7427	15.61	Q V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	87.8825	20.31	Q V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	88.0616	26.00	Q V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	88.2723	30.59	Q V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	88.5034	33.55	Q V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	88.7466	35.32	Q .V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	88.9977	36.46	Q .V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	89.2536	37.16	Q .V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	89.5120	37.53	Q .V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	89.7725	37.82	Q .V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	90.0351	38.12	Q .V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	90.2995	38.39	Q .V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	90.5654	38.61	Q .V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	90.8325	38.79	Q .V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	91.1007	38.95	Q .V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	91.3700	39.10	Q .V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	91.6403	39.25	Q .V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	91.9117	39.41	Q .V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	92.1842	39.56	Q .V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	92.4577	39.71	Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	92.7323	39.87	Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	93.0079	40.03	.Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	93.2847	40.18	.Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	93.5625	40.34	.Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	93.8414	40.50	.Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	94.1214	40.66	.Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	94.4026	40.82	.Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	94.6848	40.98	.Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	94.9682	41.14	.Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	95.2526	41.31	.Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	95.5383	41.47	.Q .V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	95.8250	41.63	.Q .V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	96.1129	41.80	.Q .V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	96.4019	41.97	.Q .V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	96.6921	42.14	.Q .V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	96.9835	42.31	.Q . V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	97.2760	42.48	.Q . V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	97.5697	42.65	.Q . V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	97.8646	42.82	.Q . V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	98.1607	42.99	.Q . V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	98.4580	43.17	.Q . V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	98.7566	43.35	.Q . V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	99.0563	43.53	.Q . V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	99.3573	43.71	.Q . V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	99.6596	43.89	.Q . V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	99.9632	44.08	.Q . V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	100.2680	44.26	.Q . V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	100.5742	44.45	.Q . V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	100.8816	44.65	.Q . V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	101.1905	44.84	.Q . V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	101.5006	45.04	.Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	101.8121	45.23	.Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	102.1251	45.43	.Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	102.4394	45.64	.Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	102.7551	45.84	.Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	103.0722	46.05	.Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	103.3908	46.26	.Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	103.7108	46.47	.Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	104.0324	46.68	.Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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101.167    104.3554     46.90  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250    104.6799     47.12  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333    105.0059     47.34  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417    105.3335     47.56  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500    105.6626     47.79  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583    105.9933     48.02  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667    106.3257     48.25  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750    106.6596     48.49  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833    106.9952     48.73  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917    107.3325     48.97  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000    107.6714     49.21  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083    108.0120     49.46  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167    108.3544     49.71  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250    108.6985     49.97  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333    109.0444     50.23  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417    109.3922     50.49  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500    109.7417     50.75  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583    110.0931     51.02  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667    110.4463     51.29  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750    110.8015     51.57  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833    111.1586     51.85  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917    111.5177     52.14  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000    111.8787     52.42  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083    112.2418     52.72  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167    112.6068     53.01  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250    112.9740     53.31  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333    113.3433     53.62  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417    113.7147     53.93  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500    114.0882     54.24  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583    114.4640     54.56  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667    114.8420     54.89  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750    115.2223     55.22  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833    115.6049     55.55  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917    115.9898     55.89  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   7.917)
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104.000    116.3771     56.24  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083    116.7669     56.59  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167    117.1590     56.94  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250    117.5537     57.31  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333    117.9509     57.68  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417    118.3508     58.05  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500    118.7532     58.43  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583    119.1583     58.82  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667    119.5661     59.22  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750    119.9767     59.62  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833    120.3901     60.03  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917    120.8064     60.45  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000    121.2256     60.87  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083    121.6478     61.30  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167    122.0730     61.74  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250    122.5013     62.19  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333    122.9327     62.64  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417    123.3674     63.11  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500    123.8053     63.58  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583    124.2466     64.07  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667    124.6912     64.56  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750    125.1393     65.07  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833    125.5910     65.58  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917    126.0462     66.11  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000    126.5052     66.64  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083    126.9679     67.19  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167    127.4345     67.74  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250    127.9050     68.32  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333    128.3795     68.90  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417    128.8582     69.50  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500    129.3410     70.11  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583    129.8282     70.74  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667    130.3197     71.37  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750    130.8158     72.03  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.750)
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106.833    131.3165     72.70  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    131.8219     73.39  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    132.3321     74.09  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    132.8474     74.81  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167    133.3677     75.55  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250    133.8932     76.31  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333    134.4241     77.09  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417    134.9606     77.90  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500    135.5027     78.71  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583    136.0507     79.56  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667    136.6046     80.43  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750    137.1647     81.33  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833    137.7311     82.24  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917    138.3041     83.20  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000    138.8838     84.17  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083    139.4731     85.56  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167    140.0790     87.98  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250    140.7138     92.17  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333    141.3842     97.34  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417    142.0964    103.42  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500    142.8440    108.54  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583    143.6175    112.31  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667    144.4101    115.08  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750    145.2184    117.37  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833    146.0400    119.30  . Q       .       V .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917    146.8734    121.02  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000    147.7185    122.71  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083    148.5758    124.48  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167    149.4454    126.26  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250    150.3275    128.09  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333    151.2224    129.93  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417    152.1305    131.86  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500    153.0522    133.83  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583    153.9883    135.93  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.583)
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109.667    154.9393    138.08  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.667)
109.750    155.9060    140.37  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.750)
109.833    156.8890    142.73  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.833)
109.917    157.8894    145.25  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.917)
110.000    158.9077    147.86  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.000)
110.083    159.9461    150.77  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.083)
110.167    161.0074    154.10  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.167)
110.250    162.0967    158.17  .  Q      .         V         .         .
(PEAK DAY 1, HOUR  14.250)
110.333    163.2173    162.70  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.333)
110.417    164.3738    167.94  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.417)
110.500    165.5685    173.47  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.500)
110.583    166.8051    179.55  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.583)
110.667    168.0883    186.32  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.667)
110.750    169.4257    194.19  .   Q     .         .V        .         .
(PEAK DAY 1, HOUR  14.750)
110.833    170.8223    202.78  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  14.833)
110.917    172.2852    212.42  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  14.917)
111.000    173.8201    222.86  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  15.000)
111.083    175.4357    234.58  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  15.083)
111.167    177.1388    247.30  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.167)
111.250    178.9411    261.69  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.250)
111.333    180.8522    277.50  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.333)
111.417    182.8791    294.30  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.417)
111.500    185.0097    309.37  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.500)
111.583    187.2243    321.55  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.583)
111.667    189.5230    333.78  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.667)
111.750    191.9303    349.53  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.750)
111.833    194.5298    377.44  .        Q.         .   V     .         .
(PEAK DAY 1, HOUR  15.833)
111.917    197.4737    427.47  .         Q         .   V     .         .
(PEAK DAY 1, HOUR  15.917)
112.000    200.9750    508.38  .         . Q       .   V     .         .
(PEAK DAY 1, HOUR  16.000)
112.083    205.6728    682.13  .         .      Q  .    V    .         .
(PEAK DAY 1, HOUR  16.083)
112.167    212.3362    967.53  .         .         .   Q V   .         .
(PEAK DAY 1, HOUR  16.167)
112.250    221.4721   1326.53  .         .         .      V  .  Q      .
(PEAK DAY 1, HOUR  16.250)
112.333    231.8962   1513.58  .         .         .       V .      Q  .
(PEAK DAY 1, HOUR  16.333)
112.417    242.8206   1586.22  .         .         .         V        Q.
(PEAK DAY 1, HOUR  16.417)
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 112.500    251.9846   1330.62  .          .          .          .V Q       .
(PEAK DAY 1, HOUR  16.500)
 112.583    258.8450    996.13  .          .          .   Q      . V        .
(PEAK DAY 1, HOUR  16.583)
 112.667    263.9171    736.46  .          .       Q  .          . V        .
(PEAK DAY 1, HOUR  16.667)
 112.750    267.8633    572.98  .          .   Q      .          .  V       .
(PEAK DAY 1, HOUR  16.750)
 112.833    270.9846    453.22  .          .Q         .          .  V       .
(PEAK DAY 1, HOUR  16.833)
 112.917    273.4837    362.87  .        Q.           .          .  V       .
(PEAK DAY 1, HOUR  16.917)
 113.000    275.6631    316.44  .      Q   .          .          .   V      .
(PEAK DAY 1, HOUR  17.000)
 113.083    277.6262    285.04  .      Q   .          .          .   V      .
(PEAK DAY 1, HOUR  17.083)
 113.167    279.3894    256.02  .     Q    .          .          .   V      .
(PEAK DAY 1, HOUR  17.167)
 113.250    280.9456    225.96  .    Q     .          .          .   V      .
(PEAK DAY 1, HOUR  17.250)
 113.333    282.3374    202.09  .    Q     .          .          .    V     .
(PEAK DAY 1, HOUR  17.333)
 113.417    283.6112    184.96  .   Q      .          .          .    V     .
(PEAK DAY 1, HOUR  17.417)
 113.500    284.8014    172.81  .   Q      .          .          .    V     .
(PEAK DAY 1, HOUR  17.500)
 113.583    285.9275    163.52  .   Q      .          .          .    V     .
(PEAK DAY 1, HOUR  17.583)
 113.667    287.0038    156.28  .  Q       .          .          .    V     .
(PEAK DAY 1, HOUR  17.667)
 113.750    288.0374    150.07  .  Q       .          .          .    V     .
(PEAK DAY 1, HOUR  17.750)
 113.833    289.0344    144.76  .  Q       .          .          .    V     .
(PEAK DAY 1, HOUR  17.833)
 113.917    289.9984    139.98  .  Q       .          .          .    V     .
(PEAK DAY 1, HOUR  17.917)
 114.000    290.9330    135.70  .  Q       .          .          .     V    .
(PEAK DAY 1, HOUR  18.000)
 114.083    291.8382    131.44  .  Q       .          .          .     V    .
(PEAK DAY 1, HOUR  18.083)
 114.167    292.7084    126.36  .  Q       .          .          .     V    .
(PEAK DAY 1, HOUR  18.167)
 114.250    293.5348    119.99  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.250)
 114.333    294.3125    112.92  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.333)
 114.417    295.0361    105.07  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.417)
 114.500    295.7149     98.56  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.500)
 114.583    296.3602     93.70  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.583)
 114.667    296.9800     89.99  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.667)
 114.750    297.5778     86.80  . Q        .          .          .     V    .
(PEAK DAY 1, HOUR  18.750)
 114.833    298.1563     84.01  . Q        .          .          .      V   .
(PEAK DAY 1, HOUR  18.833)
 114.917    298.7205     81.92  . Q        .          .          .      V   .
(PEAK DAY 1, HOUR  18.917)
 115.000    299.2716     80.01  . Q        .          .          .      V   .
(PEAK DAY 1, HOUR  19.000)
 115.083    299.8099     78.17  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.083)
 115.167    300.3355     76.31  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.167)
 115.250    300.8476     74.35  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.250)
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 115.333    301.3492     72.83  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.333)
 115.417    301.8414     71.47  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.417)
 115.500    302.3248     70.19  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.500)
 115.583    302.7998     68.97  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.583)
 115.667    303.2668     67.81  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.667)
 115.750    303.7261     66.70  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.750)
 115.833    304.1781     65.64  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.833)
 115.917    304.6231     64.62  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  19.917)
 116.000    305.0614     63.64  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  20.000)
 116.083    305.4932     62.70  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  20.083)
 116.167    305.9187     61.79  .Q         .          .          .      V   .
(PEAK DAY 1, HOUR  20.167)
 116.250    306.3383     60.92  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.250)
 116.333    306.7520     60.08  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.333)
 116.417    307.1602     59.26  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.417)
 116.500    307.5629     58.48  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.500)
 116.583    307.9604     57.71  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.583)
 116.667    308.3527     56.97  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.667)
 116.750    308.7400     56.24  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.750)
 116.833    309.1223     55.51  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.833)
 116.917    309.4995     54.76  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  20.917)
 117.000    309.8710     53.95  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.000)
 117.083    310.2382     53.31  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.083)
 117.167    310.6010     52.69  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.167)
 117.250    310.9598     52.10  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.250)
 117.333    311.3147     51.52  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.333)
 117.417    311.6657     50.97  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.417)
 117.500    312.0130     50.43  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.500)
 117.583    312.3567     49.90  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.583)
 117.667    312.6969     49.39  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.667)
 117.750    313.0336     48.90  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.750)
 117.833    313.3671     48.41  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.833)
 117.917    313.6973     47.94  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  21.917)
 118.000    314.0243     47.49  .Q         .          .          .       V  .
(PEAK DAY 1, HOUR  22.000)
 118.083    314.3483     47.04  .Q         .          .          .        V.
(PEAK DAY 1, HOUR  22.083)
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118.167	314.6692	46.60	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.167)								
118.250	314.9872	46.18	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.250)								
118.333	315.3024	45.76	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.333)								
118.417	315.6148	45.36	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.417)								
118.500	315.9244	44.96	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.500)								
118.583	316.2314	44.57	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.583)								
118.667	316.5357	44.19	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.667)								
118.750	316.8376	43.82	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.750)								
118.833	317.1369	43.46	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.833)								
118.917	317.4337	43.10	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 22.917)								
119.000	317.7282	42.76	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.000)								
119.083	318.0204	42.42	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.083)								
119.167	318.3102	42.09	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.167)								
119.250	318.5978	41.76	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.250)								
119.333	318.8832	41.44	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.333)								
119.417	319.1664	41.13	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.417)								
119.500	319.4476	40.82	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.500)								
119.583	319.7266	40.52	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.583)								
119.667	320.0037	40.22	.Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.667)								
119.750	320.2787	39.94	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.750)								
119.833	320.5518	39.65	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.833)								
119.917	320.8229	39.37	Q	.	.	.	V.
(PEAK DAY 1, HOUR 23.917)								
120.000	321.0922	39.10	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.000)								
120.083	321.3556	38.25	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.083)								
120.167	321.6022	35.81	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.167)								
120.250	321.8137	30.70	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.250)								
120.333	321.9799	24.13	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.333)								
120.417	322.0921	16.30	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.417)								
120.500	322.1615	10.07	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.500)								
120.583	322.2036	6.12	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.583)								
120.667	322.2299	3.82	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.667)								
120.750	322.2465	2.40	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.750)								
120.833	322.2575	1.60	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.833)								
120.917	322.2662	1.26	Q	.	.	.	V.
(PEAK DAY 1, HOUR 24.917)								
121.000	322.2732	1.01	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.000)								
121.083	322.2785	0.78	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.083)								
121.167	322.2825	0.58	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.167)								
121.250	322.2857	0.46	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.250)								
121.333	322.2884	0.39	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.333)								
121.417	322.2908	0.35	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.417)								
121.500	322.2931	0.33	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.500)								
121.583	322.2951	0.30	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.583)								
121.667	322.2971	0.28	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.667)								
121.750	322.2988	0.26	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.750)								
121.833	322.3005	0.24	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.833)								
121.917	322.3020	0.22	Q	.	.	.	V.
(PEAK DAY 1, HOUR 25.917)								
122.000	322.3033	0.20	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.000)								
122.083	322.3046	0.18	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.083)								
122.167	322.3058	0.17	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.167)								
122.250	322.3068	0.15	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.250)								
122.333	322.3077	0.14	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.333)								
122.417	322.3086	0.12	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.417)								
122.500	322.3094	0.11	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.500)								
122.583	322.3100	0.10	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.583)								
122.667	322.3106	0.09	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.667)								
122.750	322.3111	0.08	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.750)								
122.833	322.3116	0.07	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.833)								
122.917	322.3120	0.06	Q	.	.	.	V.
(PEAK DAY 1, HOUR 26.917)								
123.000	322.3124	0.05	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.000)								
123.083	322.3127	0.05	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.083)								
123.167	322.3130	0.04	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.167)								
123.250	322.3133	0.04	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.250)								
123.333	322.3135	0.04	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.333)								
123.417	322.3138	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.417)								
123.500	322.3140	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.500)								
123.583	322.3142	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.583)								
123.667	322.3144	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.667)								
123.750	322.3145	0.03	Q	.	.	.	V.
(PEAK DAY 1, HOUR 27.750)								

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 123.833    322.3147      0.02  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.833)
 123.917    322.3148      0.02  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  27.917)
 124.000    322.3150      0.02  Q          .          .          .          V.
 (PEAK DAY 1, HOUR  28.000)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6039.2 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6355.00 TO NODE   6355.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6039.2 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      800.0    1600.0    2400.0    3200.0
--------------------------------------------------------------------------------
  96.000    612.7386    315.32  .  Q     V.         .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    614.9030    314.28  .  Q     V.         .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    617.0685    314.43  .  Q     V.         .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    619.2518    317.00  .  Q     V.         .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    621.4697    322.04  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    623.7409    329.79  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    626.0615    336.96  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    628.4149    341.70  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    630.7864    344.35  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    633.1685    345.87  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    635.5563    346.71  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    637.9468    347.11  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    640.3393    347.39  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    642.7334    347.63  .   Q    V.         .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    645.1288    347.81  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    647.5249    347.92  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    649.9213    347.96  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    652.3177    347.96  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    654.7141    347.95  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    657.1104    347.94  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    659.5067    347.94  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    661.9031    347.96  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    664.2994    347.96  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    666.6955    347.91  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    669.0909    347.81  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    671.4854    347.68  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    673.8790    347.55  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    676.2717    347.43  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    678.6636    347.31  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    681.0548    347.20  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    683.4453    347.10  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    685.8351    347.00  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    688.2242    346.90  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    690.6127    346.81  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    693.0007    346.73  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    695.3881    346.65  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    697.7750    346.57  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    700.1614    346.51  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    702.5475    346.46  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    704.9334    346.42  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    707.3191    346.40  .   Q     V         .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    709.7047    346.39  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    712.0903    346.40  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    714.4761    346.42  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    716.8622    346.45  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.667)
  99.750    719.2486    346.51  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.750)
  99.833    721.6354    346.57  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.833)
  99.917    724.0228    346.65  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   3.917)
 100.000    726.4108    346.73  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   4.000)
 100.083    728.7994    346.84  .   Q     .V        .          .          .
 (PEAK DAY 1, HOUR   4.083)
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 100.167    731.1889    346.95  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.167)
 100.250    733.5793    347.09  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.250)
 100.333    735.9707    347.23  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.333)
 100.417    738.3632    347.39  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.417)
 100.500    740.7568    347.56  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.500)
 100.583    743.1517    347.74  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.583)
 100.667    745.5480    347.93  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.667)
 100.750    747.9456    348.14  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.750)
 100.833    750.3448    348.36  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.833)
 100.917    752.7457    348.60  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   4.917)
 101.000    755.1483    348.86  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   5.000)
 101.083    757.5527    349.12  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   5.083)
 101.167    759.9591    349.40  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   5.167)
 101.250    762.3676    349.70  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   5.250)
 101.333    764.7781    350.02  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   5.333)
 101.417    767.1910    350.34  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   5.417)
 101.500    769.6062    350.69  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   5.500)
 101.583    772.0239    351.05  .   Q     .V       .        .        .
(PEAK DAY 1, HOUR   5.583)
 101.667    774.4441    351.42  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.667)
 101.750    776.8671    351.81  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.750)
 101.833    779.2928    352.22  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.833)
 101.917    781.7214    352.64  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   5.917)
 102.000    784.1531    353.08  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.000)
 102.083    786.5880    353.54  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.083)
 102.167    789.0261    354.01  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.167)
 102.250    791.4676    354.50  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.250)
 102.333    793.9125    355.01  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.333)
 102.417    796.3611    355.53  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.417)
 102.500    798.8134    356.07  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.500)
 102.583    801.2695    356.63  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.583)
 102.667    803.7296    357.20  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.667)
 102.750    806.1937    357.80  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.750)
 102.833    808.6621    358.41  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.833)
 102.917    811.1349    359.04  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   6.917)
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 103.000    813.6121    359.69  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   7.000)
 103.083    816.0939    360.36  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   7.083)
 103.167    818.5804    361.04  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   7.167)
 103.250    821.0718    361.75  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   7.250)
 103.333    823.5682    362.48  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   7.333)
 103.417    826.0698    363.22  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   7.417)
 103.500    828.5765    363.99  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   7.500)
 103.583    831.0888    364.78  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   7.583)
 103.667    833.6066    365.58  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   7.667)
 103.750    836.1301    366.41  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   7.750)
 103.833    838.6594    367.26  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.833)
 103.917    841.1948    368.13  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   7.917)
 104.000    843.7363    369.02  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.000)
 104.083    846.2841    369.94  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.083)
 104.167    848.8383    370.88  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.167)
 104.250    851.3992    371.84  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.250)
 104.333    853.9669    372.82  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.333)
 104.417    856.5416    373.84  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.417)
 104.500    859.1233    374.87  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.500)
 104.583    861.7123    375.93  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.583)
 104.667    864.3088    377.01  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.667)
 104.750    866.9130    378.12  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.750)
 104.833    869.5249    379.25  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.833)
 104.917    872.1449    380.42  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   8.917)
 105.000    874.7731    381.61  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.000)
 105.083    877.4097    382.83  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.083)
 105.167    880.0548    384.07  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.167)
 105.250    882.7087    385.35  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.250)
 105.333    885.3716    386.66  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.333)
 105.417    888.0438    388.00  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.417)
 105.500    890.7253    389.36  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.500)
 105.583    893.4166    390.76  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.583)
 105.667    896.1176    392.19  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.667)
 105.750    898.8287    393.65  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.750)
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 105.833    901.5496    395.08  .   Q     .  V      .         .         .
(PEAK DAY 1, HOUR   9.833)
 105.917    904.2803    396.49  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR   9.917)
 106.000    907.0204    397.88  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.000)
 106.083    909.7703    399.28  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.083)
 106.167    912.5300    400.70  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.167)
 106.250    915.2997    402.16  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.250)
 106.333    918.0796    403.64  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.333)
 106.417    920.8701    405.17  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.417)
 106.500    923.6712    406.73  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.500)
 106.583    926.4835    408.34  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.583)
 106.667    929.3069    409.97  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.667)
 106.750    932.1420    411.66  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.750)
 106.833    934.9890    413.37  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.833)
 106.917    937.8481    415.14  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  10.917)
 107.000    940.7196    416.95  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.000)
 107.083    943.6039    418.81  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.083)
 107.167    946.5014    420.71  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.167)
 107.250    949.4124    422.67  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.250)
 107.333    952.3370    424.67  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.333)
 107.417    955.2760    426.73  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.417)
 107.500    958.2294    428.84  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.500)
 107.583    961.1979    431.02  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.583)
 107.667    964.1816    433.24  .    Q    .   V     .         .         .
(PEAK DAY 1, HOUR  11.667)
 107.750    967.1813    435.54  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.750)
 107.833    970.1971    437.89  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.833)
 107.917    973.2296    440.33  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  11.917)
 108.000    976.2793    442.81  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.000)
 108.083    979.3493    445.76  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.083)
 108.167    982.4470    449.79  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.167)
 108.250    985.5873    455.97  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.250)
 108.333    988.7849    464.29  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.333)
 108.417    992.0563    475.01  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.417)
 108.500    995.3984    485.26  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.500)
 108.583    998.7974    493.53  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.583)
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 108.667   1002.2414    500.07  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.667)
 108.750   1005.7246    505.76  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.750)
 108.833   1009.2437    510.97  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.833)
 108.917   1012.7971    515.95  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.917)
 109.000   1016.3846    520.91  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.000)
 109.083   1020.0073    526.00  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.083)
 109.167   1023.6652    531.13  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.167)
 109.250   1027.3585    536.27  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.250)
 109.333   1031.0870    541.38  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.333)
 109.417   1034.8516    546.61  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.417)
 109.500   1038.6527    551.93  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.500)
 109.583   1042.4919    557.46  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.583)
 109.667   1046.3704    563.14  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  13.667)
 109.750   1050.2897    569.09  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  13.750)
 109.833   1054.2513    575.23  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  13.833)
 109.917   1058.2574    581.69  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  13.917)
 110.000   1062.3097    588.39  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.000)
 110.083   1066.4115    595.57  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.083)
 110.167   1070.5669    603.36  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.167)
 110.250   1074.7827    612.14  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.250)
 110.333   1079.0642    621.68  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.333)
 110.417   1083.4174    632.08  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.417)
 110.500   1087.8435    642.68  .       Q .     V   .         .         .
(PEAK DAY 1, HOUR  14.500)
 110.583   1092.3458    653.73  .       Q .     V   .         .         .
(PEAK DAY 1, HOUR  14.583)
 110.667   1096.9293    665.52  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.667)
 110.750   1101.6035    678.69  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.750)
 110.833   1106.3765    693.02  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.833)
 110.917   1111.2592    708.96  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.917)
 111.000   1116.2618    726.39  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.000)
 111.083   1121.4001    746.09  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.083)
 111.167   1126.6895    768.01  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.167)
 111.250   1132.1510    793.02  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.250)
 111.333   1137.8042    820.84  .         Q      V  .         .         .
(PEAK DAY 1, HOUR  15.333)
 111.417   1143.6656    851.09  .         Q      V  .         .         .
(PEAK DAY 1, HOUR  15.417)
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 111.500   1149.7347    881.23  .         .Q     V  .         .         .
(PEAK DAY 1, HOUR  15.500)
 111.583   1155.9971    909.29  .         .Q     V  .         .         .
(PEAK DAY 1, HOUR  15.583)
 111.667   1162.4431    935.97  .         .Q      V .         .         .
(PEAK DAY 1, HOUR  15.667)
 111.750   1169.0837    964.21  .         . Q     V .         .         .
(PEAK DAY 1, HOUR  15.750)
 111.833   1176.0179   1006.84  .         . Q     V .         .         .
(PEAK DAY 1, HOUR  15.833)
 111.917   1183.4512   1079.30  .         .  Q    V .         .         .
(PEAK DAY 1, HOUR  15.917)
 112.000   1191.6703   1193.41  .         .   Q   V .         .         .
(PEAK DAY 1, HOUR  16.000)
 112.083   1201.4207   1415.75  .         .      QV .         .         .
(PEAK DAY 1, HOUR  16.083)
 112.167   1213.6542   1776.30  .         .       V . Q       .         .
(PEAK DAY 1, HOUR  16.167)
 112.250   1229.4529   2293.97  .         .        V.       Q .         .
(PEAK DAY 1, HOUR  16.250)
 112.333   1248.4678   2760.96  .         .        V.         .   Q     .
(PEAK DAY 1, HOUR  16.333)
 112.417   1269.9126   3113.79  .         .        V.         .       Q .
(PEAK DAY 1, HOUR  16.417)
 112.500   1289.9572   2910.47  .         .         V         .     Q   .
(PEAK DAY 1, HOUR  16.500)
 112.583   1306.5289   2406.22  .         .         V         Q         .
(PEAK DAY 1, HOUR  16.583)
 112.667   1319.9653   1950.96  .         .         V   Q     .         .
(PEAK DAY 1, HOUR  16.667)
 112.750   1331.3655   1655.31  .         .         Q         .         .
(PEAK DAY 1, HOUR  16.750)
 112.833   1341.3457   1449.13  .         .       Q V         .         .
(PEAK DAY 1, HOUR  16.833)
 112.917   1350.2609   1294.47  .         .     Q   V         .         .
(PEAK DAY 1, HOUR  16.917)
 113.000   1358.5038   1196.88  .         .   Q     .V        .         .
(PEAK DAY 1, HOUR  17.000)
 113.083   1366.2454   1124.08  .         .   Q     .V        .         .
(PEAK DAY 1, HOUR  17.083)
 113.167   1373.5485   1060.41  .         .  Q      .V        .         .
(PEAK DAY 1, HOUR  17.167)
 113.250   1380.4442   1001.26  .         . Q       .V        .         .
(PEAK DAY 1, HOUR  17.250)
 113.333   1387.0066    952.86  .         .Q        .V        .         .
(PEAK DAY 1, HOUR  17.333)
 113.417   1393.3167    916.22  .         .Q        .V        .         .
(PEAK DAY 1, HOUR  17.417)
 113.500   1399.4360    888.53  .         .Q        .V        .         .
(PEAK DAY 1, HOUR  17.500)
 113.583   1405.4136    867.94  .        Q          .V        .         .
(PEAK DAY 1, HOUR  17.583)
 113.667   1411.2781    851.53  .        Q          .V        .         .
(PEAK DAY 1, HOUR  17.667)
 113.750   1417.0464    837.57  .        Q          .V        .         .
(PEAK DAY 1, HOUR  17.750)
 113.833   1422.7268    824.80  .        Q          . V       .         .
(PEAK DAY 1, HOUR  17.833)
 113.917   1428.3286    813.38  .        Q          . V       .         .
(PEAK DAY 1, HOUR  17.917)
 114.000   1433.8538    802.26  .        Q          . V       .         .
(PEAK DAY 1, HOUR  18.000)
 114.083   1439.3054    791.57  .       Q.          . V       .         .
(PEAK DAY 1, HOUR  18.083)
 114.167   1444.6836    780.91  .       Q.          . V       .         .
(PEAK DAY 1, HOUR  18.167)
 114.250   1449.9703    767.63  .       Q.          . V       .         .
(PEAK DAY 1, HOUR  18.250)
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 114.333   1455.1576    753.19  .         Q.        . V       .         .
(PEAK DAY 1, HOUR  18.333)
 114.417   1460.2372    737.56  .         Q.        . V       .         .
(PEAK DAY 1, HOUR  18.417)
 114.500   1465.2140    722.62  .         Q.        . V       .         .
(PEAK DAY 1, HOUR  18.500)
 114.583   1470.0942    708.62  .       Q .         . V       .         .
(PEAK DAY 1, HOUR  18.583)
 114.667   1474.8970    697.35  .       Q .         . V       .         .
(PEAK DAY 1, HOUR  18.667)
 114.750   1479.6395    688.63  .       Q .         . V       .         .
(PEAK DAY 1, HOUR  18.750)
 114.833   1484.3320    681.35  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  18.833)
 114.917   1488.9744    674.07  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  18.917)
 115.000   1493.5704    667.34  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.000)
 115.083   1498.1309    662.18  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.083)
 115.167   1502.6609    657.76  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.167)
 115.250   1507.1625    653.62  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.250)
 115.333   1511.6400    650.13  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.333)
 115.417   1516.0956    646.95  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.417)
 115.500   1520.5305    643.95  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.500)
 115.583   1524.9456    641.06  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  19.583)
 115.667   1529.3411    638.23  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  19.667)
 115.750   1533.7172    635.41  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  19.750)
 115.833   1538.0717    632.28  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  19.833)
 115.917   1542.4034    628.98  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  19.917)
 116.000   1546.7153    626.08  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  20.000)
 116.083   1551.0099    623.57  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.083)
 116.167   1555.2885    621.25  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.167)
 116.250   1559.5514    618.98  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.250)
 116.333   1563.7985    616.67  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.333)
 116.417   1568.0253    613.74  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.417)
 116.500   1572.2350    611.25  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.500)
 116.583   1576.4305    609.20  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.583)
 116.667   1580.6136    607.38  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.667)
 116.750   1584.7849    605.66  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.750)
 116.833   1588.9447    604.00  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.833)
 116.917   1593.0931    602.35  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  20.917)
 117.000   1597.2302    600.70  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  21.000)
 117.083   1601.3572    599.23  .      Q  .         .   V     .         .
(PEAK DAY 1, HOUR  21.083)
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 117.167   1605.4744    597.82  .      Q  .          .   V     .          .
 (PEAK DAY 1, HOUR  21.167)
 117.250   1609.5822    596.45  .      Q  .          .   V     .          .
 (PEAK DAY 1, HOUR  21.250)
 117.333   1613.6808    595.12  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  21.333)
 117.417   1617.7704    593.82  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  21.417)
 117.500   1621.8513    592.55  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  21.500)
 117.583   1625.9237    591.31  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  21.583)
 117.667   1629.9877    590.10  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  21.667)
 117.750   1634.0436    588.91  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  21.750)
 117.833   1638.0914    587.75  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  21.833)
 117.917   1642.1315    586.62  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  21.917)
 118.000   1646.1639    585.51  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  22.000)
 118.083   1650.1890    584.43  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  22.083)
 118.167   1654.2065    583.36  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  22.167)
 118.250   1658.2169    582.31  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  22.250)
 118.333   1662.2202    581.28  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  22.333)
 118.417   1666.2167    580.28  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  22.417)
 118.500   1670.2063    579.29  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  22.500)
 118.583   1674.1892    578.32  .      Q  .          .    V    .          .
 (PEAK DAY 1, HOUR  22.583)
 118.667   1678.1655    577.37  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  22.667)
 118.750   1682.1354    576.43  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  22.750)
 118.833   1686.0989    575.50  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  22.833)
 118.917   1690.0562    574.59  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  22.917)
 119.000   1694.0072    573.70  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.000)
 119.083   1697.9521    572.81  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.083)
 119.167   1701.8911    571.94  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.167)
 119.250   1705.8242    571.08  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.250)
 119.333   1709.7515    570.23  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.333)
 119.417   1713.6729    569.39  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.417)
 119.500   1717.5886    568.56  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.500)
 119.583   1721.4987    567.74  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.583)
 119.667   1725.4032    566.94  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.667)
 119.750   1729.3022    566.14  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.750)
 119.833   1733.1958    565.35  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.833)
 119.917   1737.0840    564.57  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  23.917)
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 120.000   1740.9669    563.80  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  24.000)
 120.083   1744.8406    562.45  .      Q  .          .     V   .          .
 (PEAK DAY 1, HOUR  24.083)
 120.167   1748.6941    559.52  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  24.167)
 120.250   1752.5052    553.38  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  24.250)
 120.333   1756.2520    544.02  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  24.333)
 120.417   1759.9099    531.14  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  24.417)
 120.500   1763.4860    519.24  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  24.500)
 120.583   1767.0038    510.79  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  24.583)
 120.667   1770.4840    505.34  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  24.667)
 120.750   1773.9384    501.57  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  24.750)
 120.833   1777.3741    498.88  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  24.833)
 120.917   1780.7966    496.95  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  24.917)
 121.000   1784.2080    495.33  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  25.000)
 121.083   1787.6094    493.88  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  25.083)
 121.167   1791.0018    492.58  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  25.167)
 121.250   1794.3866    491.47  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  25.250)
 121.333   1797.7646    490.50  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  25.333)
 121.417   1801.1368    489.64  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  25.417)
 121.500   1804.5035    488.85  .     Q   .          .     V   .          .
 (PEAK DAY 1, HOUR  25.500)
 121.583   1807.8651    488.11  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  25.583)
 121.667   1811.2218    487.39  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  25.667)
 121.750   1814.5736    486.68  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  25.750)
 121.833   1817.9207    486.00  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  25.833)
 121.917   1821.2632    485.33  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  25.917)
 122.000   1824.6012    484.68  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  26.000)
 122.083   1827.9349    484.05  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  26.083)
 122.167   1831.2644    483.43  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  26.167)
 122.250   1834.5897    482.83  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  26.250)
 122.333   1837.9110    482.25  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  26.333)
 122.417   1841.2284    481.68  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  26.417)
 122.500   1844.5419    481.12  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  26.500)
 122.583   1847.8517    480.59  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  26.583)
 122.667   1851.1580    480.07  .     Q   .          .      V  .          .
 (PEAK DAY 1, HOUR  26.667)
 122.750   1854.4608    479.57  .    Q    .          .      V  .          .
 (PEAK DAY 1, HOUR  26.750)
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 122.833   1857.7603    479.08  .    Q    .         .       V .         .
 (PEAK DAY 1, HOUR  26.833)
 122.917   1861.0564    478.60  .    Q    .         .       V .         .
 (PEAK DAY 1, HOUR  26.917)
 123.000   1864.3494    478.14  .    Q    .         .       V .         .
 (PEAK DAY 1, HOUR  27.000)
 123.083   1867.6392    477.68  .    Q    .         .       V .         .
 (PEAK DAY 1, HOUR  27.083)
 123.167   1870.9259    477.23  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.167)
 123.250   1874.2095    476.78  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.250)
 123.333   1877.4900    476.34  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.333)
 123.417   1880.7675    475.89  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.417)
 123.500   1884.0419    475.44  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.500)
 123.583   1887.3132    475.00  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.583)
 123.667   1890.5815    474.55  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.667)
 123.750   1893.8468    474.11  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.750)
 123.833   1897.1090    473.67  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.833)
 123.917   1900.3682    473.23  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  27.917)
 124.000   1903.6244    472.80  .    Q    .         .        V.         .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  FLOW PROCESS FROM NODE   6355.00 TO NODE   6371.00 IS CODE = 5.2
-------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
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         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6039.2 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   30.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     314.00
           DOWNSTREAM ELEVATION(FT) =     220.00
           CHANNEL LENGTH(FT) =    5919.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  3113.79
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  2358.50
           CHANNEL NORMAL VELOCITY FOR Q =  2358.50 CFS =  12.27 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.878

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.817
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CONVEX METHOD CHANNEL ROUTING RESULTS:

PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	INFLOW (STREAM 1) (CFS)	ROUTED FLOW (CFS)	OUTFLOW LESS LOSS (STREAM 1) (CFS)
2	24.000	96.000	315.32	317.74	317.74
1	0.083	96.083	314.28	316.26	316.26
1	0.167	96.167	314.43	314.99	314.99
1	0.250	96.250	317.00	314.48	314.48
1	0.333	96.333	322.04	315.68	315.68
1	0.417	96.417	329.79	319.18	319.18
1	0.500	96.500	336.96	325.23	325.23
1	0.583	96.583	341.70	332.39	332.39
1	0.667	96.667	344.35	338.40	338.40
1	0.750	96.750	345.87	342.37	342.37
1	0.833	96.833	346.71	344.72	344.72
1	0.917	96.917	347.11	346.06	346.06
1	1.000	97.000	347.39	346.78	346.78
1	1.083	97.083	347.63	347.18	347.18
1	1.167	97.167	347.81	347.47	347.47
1	1.250	97.250	347.92	347.69	347.69
1	1.333	97.333	347.96	347.84	347.84
1	1.417	97.417	347.96	347.92	347.92
1	1.500	97.500	347.95	347.95	347.95
1	1.583	97.583	347.94	347.95	347.95
1	1.667	97.667	347.94	347.95	347.95
1	1.750	97.750	347.96	347.94	347.94
1	1.833	97.833	347.96	347.95	347.95
1	1.917	97.917	347.91	347.96	347.96
1	2.000	98.000	347.81	347.93	347.93
1	2.083	98.083	347.68	347.86	347.86
1	2.167	98.167	347.55	347.76	347.76
1	2.250	98.250	347.43	347.63	347.63
1	2.333	98.333	347.31	347.51	347.51
1	2.417	98.417	347.20	347.38	347.38
1	2.500	98.500	347.10	347.27	347.27
1	2.583	98.583	347.00	347.16	347.16
1	2.667	98.667	346.90	347.07	347.07
1	2.750	98.750	346.81	346.97	346.97
1	2.833	98.833	346.73	346.87	346.87
1	2.917	98.917	346.65	346.78	346.78
1	3.000	99.000	346.57	346.70	346.70
1	3.083	99.083	346.51	346.62	346.62
1	3.167	99.167	346.46	346.55	346.55
1	3.250	99.250	346.42	346.49	346.49
1	3.333	99.333	346.40	346.45	346.45
1	3.417	99.417	346.39	346.42	346.42
1	3.500	99.500	346.40	346.40	346.40
1	3.583	99.583	346.42	346.39	346.39
1	3.667	99.667	346.45	346.41	346.41
1	3.750	99.750	346.51	346.43	346.43
1	3.833	99.833	346.57	346.47	346.47
1	3.917	99.917	346.65	346.53	346.53
1	4.000	100.000	346.73	346.60	346.60
1	4.083	100.083	346.84	346.68	346.68
1	4.167	100.167	346.95	346.77	346.77
1	4.250	100.250	347.09	346.88	346.88
1	4.333	100.333	347.23	347.00	347.00
1	4.417	100.417	347.39	347.14	347.14
1	4.500	100.500	347.56	347.29	347.29
1	4.583	100.583	347.74	347.45	347.45
1	4.667	100.667	347.93	347.62	347.62
1	4.750	100.750	348.14	347.81	347.81
1	4.833	100.833	348.36	348.01	348.01
1	4.917	100.917	348.60	348.22	348.22
1	5.000	101.000	348.86	348.45	348.45

1	5.083	101.083	349.12	348.70	348.70
1	5.167	101.167	349.40	348.96	348.96
1	5.250	101.250	349.70	349.23	349.23
1	5.333	101.333	350.02	349.52	349.52
1	5.417	101.417	350.34	349.82	349.82
1	5.500	101.500	350.69	350.14	350.14
1	5.583	101.583	351.05	350.47	350.47
1	5.667	101.667	351.42	350.82	350.82
1	5.750	101.750	351.81	351.19	351.19
1	5.833	101.833	352.22	351.57	351.57
1	5.917	101.917	352.64	351.96	351.96
1	6.000	102.000	353.08	352.38	352.38
1	6.083	102.083	353.54	352.81	352.81
1	6.167	102.167	354.01	353.25	353.25
1	6.250	102.250	354.50	353.71	353.71
1	6.333	102.333	355.01	354.19	354.19
1	6.417	102.417	355.53	354.69	354.69
1	6.500	102.500	356.07	355.20	355.20
1	6.583	102.583	356.63	355.73	355.73
1	6.667	102.667	357.20	356.28	356.28
1	6.750	102.750	357.80	356.84	356.84
1	6.833	102.833	358.41	357.42	357.42
1	6.917	102.917	359.04	358.02	358.02
1	7.000	103.000	359.69	358.64	358.64
1	7.083	103.083	360.36	359.28	359.28
1	7.167	103.167	361.04	359.94	359.94
1	7.250	103.250	361.75	360.61	360.61
1	7.333	103.333	362.48	361.31	361.31
1	7.417	103.417	363.22	362.02	362.02
1	7.500	103.500	363.99	362.75	362.75
1	7.583	103.583	364.78	363.50	363.50
1	7.667	103.667	365.58	364.28	364.28
1	7.750	103.750	366.41	365.07	365.07
1	7.833	103.833	367.26	365.89	365.89
1	7.917	103.917	368.13	366.72	366.72
1	8.000	104.000	369.02	367.58	367.58
1	8.083	104.083	369.94	368.46	368.46
1	8.167	104.167	370.88	369.36	369.36
1	8.250	104.250	371.84	370.28	370.28
1	8.333	104.333	372.82	371.23	371.23
1	8.417	104.417	373.84	372.20	372.20
1	8.500	104.500	374.87	373.20	373.20
1	8.583	104.583	375.93	374.21	374.21
1	8.667	104.667	377.01	375.26	375.26
1	8.750	104.750	378.12	376.32	376.32
1	8.833	104.833	379.25	377.42	377.42
1	8.917	104.917	380.42	378.54	378.54
1	9.000	105.000	381.61	379.68	379.68
1	9.083	105.083	382.83	380.86	380.86
1	9.167	105.167	384.07	382.06	382.06
1	9.250	105.250	385.35	383.29	383.29
1	9.333	105.333	386.66	384.54	384.54
1	9.417	105.417	388.00	385.83	385.83
1	9.500	105.500	389.36	387.15	387.15
1	9.583	105.583	390.76	388.50	388.50
1	9.667	105.667	392.19	389.88	389.88
1	9.750	105.750	393.65	391.29	391.29
1	9.833	105.833	395.08	392.73	392.73
1	9.917	105.917	396.49	394.17	394.17
1	10.000	106.000	397.88	395.59	395.59
1	10.083	106.083	399.28	396.99	396.99
1	10.167	106.167	400.70	398.39	398.39
1	10.250	106.250	402.16	399.80	399.80
1	10.333	106.333	403.64	401.24	401.24
1	10.417	106.417	405.17	402.70	402.70
1	10.500	106.500	406.73	404.21	404.21
1	10.583	106.583	408.34	405.74	405.74
1	10.667	106.667	409.97	407.32	407.32

1	10.750	106.750	411.66	408.93	408.93
1	10.833	106.833	413.37	410.59	410.59
1	10.917	106.917	415.14	412.28	412.28
1	11.000	107.000	416.95	414.02	414.02
1	11.083	107.083	418.81	415.80	415.80
1	11.167	107.167	420.71	417.63	417.63
1	11.250	107.250	422.67	419.51	419.51
1	11.333	107.333	424.67	421.43	421.43
1	11.417	107.417	426.73	423.40	423.40
1	11.500	107.500	428.84	425.43	425.43
1	11.583	107.583	431.02	427.51	427.51
1	11.667	107.667	433.24	429.64	429.64
1	11.750	107.750	435.54	431.84	431.84
1	11.833	107.833	437.89	434.09	434.09
1	11.917	107.917	440.33	436.41	436.41
1	12.000	108.000	442.81	438.79	438.79
1	12.083	108.083	445.76	441.24	441.24
1	12.167	108.167	449.79	443.94	443.94
1	12.250	108.250	455.97	447.36	447.36
1	12.333	108.333	464.29	452.31	452.31
1	12.417	108.417	475.01	459.30	459.30
1	12.500	108.500	485.26	468.52	468.52
1	12.583	108.583	493.53	478.75	478.75
1	12.667	108.667	500.07	488.04	488.04
1	12.750	108.750	505.76	495.66	495.66
1	12.833	108.833	510.97	502.00	502.00
1	12.917	108.917	515.95	507.57	507.57
1	13.000	109.000	520.91	512.74	512.74
1	13.083	109.083	526.00	517.74	517.74
1	13.167	109.167	531.13	522.78	522.78
1	13.250	109.250	536.27	527.87	527.87
1	13.333	109.333	541.38	533.00	533.00
1	13.417	109.417	546.61	538.13	538.13
1	13.500	109.500	551.93	543.30	543.30
1	13.583	109.583	557.46	548.56	548.56
1	13.667	109.667	563.14	553.97	553.97
1	13.750	109.750	569.09	559.55	559.55
1	13.833	109.833	575.23	565.34	565.34
1	13.917	109.917	581.69	571.35	571.35
1	14.000	110.000	588.39	577.62	577.62
1	14.083	110.083	595.57	584.17	584.17
1	14.167	110.167	603.36	591.07	591.07
1	14.250	110.250	612.14	598.49	598.49
1	14.333	110.333	621.68	606.69	606.69
1	14.417	110.417	632.08	615.72	615.72
1	14.500	110.500	642.68	625.58	625.58
1	14.583	110.583	653.73	635.98	635.98
1	14.667	110.667	665.52	646.76	646.76
1	14.750	110.750	678.69	658.12	658.12
1	14.833	110.833	693.02	670.49	670.49
1	14.917	110.917	708.96	684.07	684.07
1	15.000	111.000	726.39	699.04	699.04
1	15.083	111.083	746.09	715.51	715.51
1	15.167	111.167	768.01	733.86	733.86
1	15.250	111.250	793.02	754.37	754.37
1	15.333	111.333	820.84	777.52	777.52
1	15.417	111.417	851.09	803.54	803.54
1	15.500	111.500	881.23	832.20	832.20
1	15.583	111.583	909.29	862.11	862.11
1	15.667	111.667	935.97	891.20	891.20
1	15.750	111.750	964.21	918.79	918.79
1	15.833	111.833	1006.84	946.38	946.38
1	15.917	111.917	1079.30	981.42	981.42
1	16.000	112.000	1193.41	1036.98	1036.98
1	16.083	112.083	1415.75	1126.35	1126.35
1	16.167	112.167	1776.30	1287.90	1287.90
1	16.250	112.250	2293.97	1565.48	1565.48
1	16.333	112.333	2760.96	1986.29	1986.29

1	16.417	112.417	3113.79	2461.87	2461.87
1	16.500	112.500	2910.47	2875.60	2875.60
1	16.583	112.583	2406.22	2972.49	2972.49
1	16.667	112.667	1950.96	2679.65	2679.65
1	16.750	112.750	1655.31	2237.68	2237.68
1	16.833	112.833	1449.13	1861.51	1861.51
1	16.917	112.917	1294.47	1594.08	1594.08
1	17.000	113.000	1196.88	1401.42	1401.42
1	17.083	113.083	1124.08	1267.20	1267.20
1	17.167	113.167	1060.41	1174.80	1174.80
1	17.250	113.250	1001.26	1102.79	1102.79
1	17.333	113.333	952.86	1039.77	1039.77
1	17.417	113.417	916.22	985.07	985.07
1	17.500	113.500	888.53	941.17	941.17
1	17.583	113.583	867.94	907.49	907.49
1	17.667	113.667	851.53	882.12	882.12
1	17.750	113.750	837.57	862.66	862.66
1	17.833	113.833	824.80	846.86	846.86
1	17.917	113.917	813.38	833.14	833.14
1	18.000	114.000	802.26	820.84	820.84
1	18.083	114.083	791.57	809.41	809.41
1	18.167	114.167	780.91	798.44	798.44
1	18.250	114.250	767.63	787.71	787.71
1	18.333	114.333	753.19	775.78	775.78
1	18.417	114.417	737.56	762.19	762.19
1	18.500	114.500	722.62	747.33	747.33
1	18.583	114.583	708.62	732.18	732.18
1	18.667	114.667	697.35	717.65	717.65
1	18.750	114.750	688.63	704.86	704.86
1	18.833	114.833	681.35	694.54	694.54
1	18.917	114.917	674.07	686.21	686.21
1	19.000	115.000	667.34	678.75	678.75
1	19.083	115.083	662.18	671.70	671.70
1	19.167	115.167	657.76	665.66	665.66
1	19.250	115.250	653.62	660.69	660.69
1	19.333	115.333	650.13	656.31	656.31
1	19.417	115.417	646.95	652.44	652.44
1	19.500	115.500	643.95	649.03	649.03
1	19.583	115.583	641.06	645.89	645.89
1	19.667	115.667	638.23	642.92	642.92
1	19.750	115.750	635.41	640.04	640.04
1	19.833	115.833	632.28	637.21	637.21
1	19.917	115.917	628.98	634.23	634.23
1	20.000	116.000	626.08	631.05	631.05
1	20.083	116.083	623.57	627.97	627.97
1	20.167	116.167	621.25	625.22	625.22
1	20.250	116.250	618.98	622.76	622.76
1	20.333	116.333	616.67	620.44	620.44
1	20.417	116.417	613.74	618.14	618.14
1	20.500	116.500	611.25	615.53	615.53
1	20.583	116.583	609.20	612.87	612.87
1	20.667	116.667	607.38	610.56	610.56
1	20.750	116.750	605.66	608.58	608.58
1	20.833	116.833	604.00	606.77	606.77
1	20.917	116.917	602.35	605.07	605.07
1	21.000	117.000	600.70	603.40	603.40
1	21.083	117.083	599.23	601.75	601.75
1	21.167	117.167	597.82	600.19	600.19
1	21.250	117.250	596.45	598.73	598.73
1	21.333	117.333	595.12	597.33	597.33
1	21.417	117.417	593.82	595.97	595.97
1	21.500	117.500	592.55	594.65	594.65
1	21.583	117.583	591.31	593.36	593.36
1	21.667	117.667	590.10	592.10	592.10
1	21.750	117.750	588.91	590.87	590.87
1	21.833	117.833	587.75	589.67	589.67
1	21.917	117.917	586.62	588.49	588.49
1	22.000	118.000	585.51	587.34	587.34

1	22.083	118.083	584.43	586.22	586.22
1	22.167	118.167	583.36	585.12	585.12
1	22.250	118.250	582.31	584.04	584.04
1	22.333	118.333	581.28	582.98	582.98
1	22.417	118.417	580.28	581.94	581.94
1	22.500	118.500	579.29	580.92	580.92
1	22.583	118.583	578.32	579.92	579.92
1	22.667	118.667	577.37	578.94	578.94
1	22.750	118.750	576.43	577.98	577.98
1	22.833	118.833	575.50	577.03	577.03
1	22.917	118.917	574.59	576.09	576.09
1	23.000	119.000	573.70	575.17	575.17
1	23.083	119.083	572.81	574.27	574.27
1	23.167	119.167	571.94	573.38	573.38
1	23.250	119.250	571.08	572.50	572.50
1	23.333	119.333	570.23	571.63	571.63
1	23.417	119.417	569.39	570.77	570.77
1	23.500	119.500	568.56	569.93	569.93
1	23.583	119.583	567.74	569.09	569.09
1	23.667	119.667	566.94	568.27	568.27
1	23.750	119.750	566.14	567.45	567.45
1	23.833	119.833	565.35	566.65	566.65
1	23.917	119.917	564.57	565.85	565.85
1	24.000	120.000	563.80	565.07	565.07
1	24.083	120.083	562.45	564.29	564.29
1	24.167	120.167	559.52	563.24	563.24
1	24.250	120.250	553.38	561.19	561.19
1	24.333	120.333	544.02	556.88	556.88
1	24.417	120.417	531.14	549.53	549.53
1	24.500	120.500	519.24	538.84	538.84
1	24.583	120.583	510.79	526.84	526.84
1	24.667	120.667	505.34	516.57	516.57
1	24.750	120.750	501.57	509.23	509.23
1	24.833	120.833	498.88	504.24	504.24
1	24.917	120.917	496.95	500.77	500.77
1	25.000	121.000	495.33	498.30	498.30
1	25.083	121.083	493.88	496.42	496.42
1	25.167	121.167	492.58	494.84	494.84
1	25.250	121.250	491.47	493.43	493.43
1	25.333	121.333	490.50	492.20	492.20
1	25.417	121.417	489.64	491.14	491.14
1	25.500	121.500	488.85	490.20	490.20
1	25.583	121.583	488.11	489.37	489.37
1	25.667	121.667	487.39	488.59	488.59
1	25.750	121.750	486.68	487.85	487.85
1	25.833	121.833	486.00	487.13	487.13
1	25.917	121.917	485.33	486.44	486.44
1	26.000	122.000	484.68	485.76	485.76
1	26.083	122.083	484.05	485.10	485.10
1	26.167	122.167	483.43	484.46	484.46
1	26.250	122.250	482.83	483.83	483.83
1	26.333	122.333	482.25	483.22	483.22
1	26.417	122.417	481.68	482.62	482.62
1	26.500	122.500	481.12	482.05	482.05
1	26.583	122.583	480.59	481.48	481.48
1	26.667	122.667	480.07	480.93	480.93
1	26.750	122.750	479.57	480.40	480.40
1	26.833	122.833	479.08	479.89	479.89
1	26.917	122.917	478.60	479.39	479.39
1	27.000	123.000	478.14	478.91	478.91
1	27.083	123.083	477.68	478.43	478.43
1	27.167	123.167	477.23	477.97	477.97
1	27.250	123.250	476.78	477.52	477.52
1	27.333	123.333	476.34	477.07	477.07
1	27.417	123.417	475.89	476.62	476.62
1	27.500	123.500	475.44	476.17	476.17
1	27.583	123.583	475.00	475.73	475.73
1	27.667	123.667	474.55	475.28	475.28

```
  1   27.750 123.750       474.11      474.84      474.84
  1   27.833 123.833       473.67      474.39      474.39
  1   27.917 123.917       473.23      473.95      473.95
  1   28.000 124.000       472.80      473.51      473.51
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   2578.951 AF
    OUTFLOW VOLUME =   2578.949 AF
    LOSS    VOLUME =      0.000 AF
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6360.00 TO NODE   6371.00 IS CODE =   1
--------------------------------------------------------------------------------

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   922.3 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

     (UNIT-HYDROGRAPH ADDED TO STREAM #2)

        WATERSHED AREA =     922.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.250 HOURS
         CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
         THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
         MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
        |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
        |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
        |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
        |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
        |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.120|   0.120|   0.120|   0.120|   0.120|
        | LOW LOSS FRACTION |   0.510|   0.760|   0.950|   0.990|   0.990|
        +------------------+--------+--------+--------+--------+--------+
          5-MINUTE FACTOR = 0.959
         30-MINUTE FACTOR = 0.959
          1-HOUR FACTOR = 0.959
          3-HOUR FACTOR = 0.994
          6-HOUR FACTOR = 0.997
         24-HOUR FACTOR = 0.998

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  33.333


        RUNOFF HYDROGRAPH LISTING LIMITS:
        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
        MODEL TIME(HOURS) FOR END OF RESULTS = 124.00
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================================================================================
                    UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
       1                2.292               255.704
       2               13.821              1285.900
       3               35.522              2420.567
       4               62.164              2971.648
       5               80.648              2061.668
       6               89.997              1042.866
       7               94.646               518.513
       8               96.625               220.790
       9               97.489                96.296
      10               98.211                80.598
      11               98.708                55.360
      12               99.005                33.223
      13               99.174                18.845
      14               99.253                 8.821
      15               99.326                 8.100
      16               99.394                 7.535
      17               99.458                 7.164
      18               99.518                 6.727
      19               99.574                 6.257
      20               99.626                 5.759
      21               99.675                 5.514
      22               99.718                 4.708
      23               99.759                 4.643
      24               99.799                 4.443
      25               99.827                 3.130
      26               99.851                 2.675
      27               99.875                 2.675
      28               99.897                 2.469
      29               99.906                 1.014
      30               99.913                 0.730
      31               99.919                 0.731
      32               99.926                 0.729
      33               99.932                 0.731
      34               99.939                 0.729
      35               99.946                 0.730
      36               99.952                 0.729
      37               99.959                 0.729
      38               99.965                 0.729
      39               99.972                 0.730
      40               99.978                 0.729
      41               99.985                 0.729
      42               99.991                 0.729
      43               99.998                 0.729
      44              100.000                 0.237


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     433.5397
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     453.8287
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 650.0 1300.0 1950.0 2600.0
96.000	126.4908	10.29	Q .V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	126.5666	11.01	Q .V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	126.6693	14.91	Q .V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	126.8231	22.33	Q .V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	127.0401	31.50	Q .V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	127.3012	37.92	Q .V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	127.5853	41.24	Q .V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	127.8812	42.97	Q .V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	128.1828	43.79	Q .V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	128.4874	44.23	Q .V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	128.7947	44.62	Q .V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	129.1042	44.94	Q .V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	129.4155	45.20	Q .V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	129.7283	45.41	Q .V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	130.0422	45.59	Q .V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	130.3575	45.77	Q .V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	130.6740	45.95	Q .V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	130.9917	46.14	Q .V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	131.3107	46.32	Q .V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	131.6310	46.50	Q .V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	131.9525	46.68	Q .V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	132.2753	46.87	Q .V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	132.5993	47.05	Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	132.9246	47.23	Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	133.2512	47.42	Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	133.5791	47.60	Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	133.9082	47.79	Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	134.2386	47.97	Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	134.5703	48.16	Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	134.9032	48.34	Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	135.2374	48.53	Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	135.5729	48.71	Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	135.9097	48.90	Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	136.2478	49.09	Q . V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	136.5872	49.28	Q . V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	136.9279	49.48	Q . V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	137.2700	49.67	Q . V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	137.6135	49.87	Q . V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	137.9583	50.07	Q . V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	138.3045	50.27	Q . V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	138.6522	50.48	Q . V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	139.0012	50.68	Q . V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	139.3517	50.89	Q . V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	139.7036	51.10	Q . V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	140.0570	51.31	Q . V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	140.4118	51.52	Q . V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	140.7682	51.74	Q . V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	141.1260	51.95	Q . V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	141.4853	52.18	Q . V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	141.8462	52.40	Q . V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	142.2086	52.62	Q . V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	142.5726	52.85	Q . V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	142.9381	53.08	Q . V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	143.3053	53.31	Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	143.6741	53.55	Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	144.0445	53.78	Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	144.4165	54.02	Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	144.7903	54.27	Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	145.1657	54.51	Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	145.5429	54.76	Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	145.9218	55.02	Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	146.3024	55.27	Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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101.167    146.6848     55.53  Q          . V        .          .          .
(PEAK DAY 1, HOUR   5.167)
101.250    147.0691     55.79  Q          . V        .          .          .
(PEAK DAY 1, HOUR   5.250)
101.333    147.4551     56.05  Q          . V        .          .          .
(PEAK DAY 1, HOUR   5.333)
101.417    147.8430     56.32  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.417)
101.500    148.2327     56.59  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.500)
101.583    148.6244     56.87  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.583)
101.667    149.0179     57.14  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.667)
101.750    149.4134     57.42  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.750)
101.833    149.8109     57.71  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.833)
101.917    150.2103     58.00  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   5.917)
102.000    150.6118     58.29  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.000)
102.083    151.0152     58.59  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.083)
102.167    151.4208     58.89  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.167)
102.250    151.8285     59.19  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.250)
102.333    152.2383     59.50  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.333)
102.417    152.6502     59.81  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.417)
102.500    153.0643     60.13  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.500)
102.583    153.4807     60.45  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.583)
102.667    153.8993     60.78  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.667)
102.750    154.3201     61.11  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.750)
102.833    154.7433     61.45  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.833)
102.917    155.1688     61.78  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   6.917)
103.000    155.5967     62.13  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.000)
103.083    156.0270     62.48  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.083)
103.167    156.4598     62.84  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.167)
103.250    156.8950     63.19  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.250)
103.333    157.3327     63.56  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.333)
103.417    157.7730     63.93  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.417)
103.500    158.2159     64.31  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.500)
103.583    158.6615     64.69  Q          .  V       .          .          .
(PEAK DAY 1, HOUR   7.583)
103.667    159.1097     65.08  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   7.667)
103.750    159.5606     65.47  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   7.750)
103.833    160.0143     65.88  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   7.833)
103.917    160.4708     66.28  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   7.917)
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104.000    160.9302     66.70  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.000)
104.083    161.3924     67.12  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.083)
104.167    161.8577     67.55  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.167)
104.250    162.3259     67.98  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.250)
104.333    162.7971     68.43  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.333)
104.417    163.2715     68.88  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.417)
104.500    163.7490     69.34  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.500)
104.583    164.2297     69.80  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.583)
104.667    164.7137     70.28  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.667)
104.750    165.2010     70.76  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.750)
104.833    165.6917     71.25  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.833)
104.917    166.1859     71.75  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   8.917)
105.000    166.6836     72.26  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.000)
105.083    167.1848     72.78  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.083)
105.167    167.6897     73.31  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.167)
105.250    168.1983     73.85  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.250)
105.333    168.7106     74.40  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.333)
105.417    169.2269     74.96  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.417)
105.500    169.7471     75.53  .Q         .   V      .          .          .
(PEAK DAY 1, HOUR   9.500)
105.583    170.2712     76.11  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR   9.583)
105.667    170.7995     76.71  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR   9.667)
105.750    171.3320     77.31  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR   9.750)
105.833    171.8687     77.93  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR   9.833)
105.917    172.4097     78.56  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR   9.917)
106.000    172.9553     79.21  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.000)
106.083    173.5053     79.87  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.083)
106.167    174.0600     80.55  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.167)
106.250    174.6195     81.23  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.250)
106.333    175.1838     81.94  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.333)
106.417    175.7531     82.66  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.417)
106.500    176.3275     83.40  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.500)
106.583    176.9070     84.15  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.583)
106.667    177.4919     84.93  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.667)
106.750    178.0822     85.71  .Q         .    V     .          .          .
(PEAK DAY 1, HOUR  10.750)
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106.833    178.6782     86.53  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917    179.2798     87.36  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000    179.8873     88.21  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083    180.5009     89.08  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167    181.1206     89.99  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250    181.7466     90.90  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333    182.3792     91.85  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417    183.0185     92.82  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500    183.6647     93.83  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583    184.3179     94.85  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667    184.9784     95.91  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750    185.6464     96.99  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833    186.3222     98.12  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917    187.0058     99.27  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000    187.6978    100.47  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083    188.4071    103.00  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167    189.1709    110.90  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250    190.0303    124.79  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333    191.0077    141.92  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417    192.0742    154.86  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500    193.1971    163.04  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583    194.3594    168.77  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667    195.5523    173.20  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750    196.7720    177.11  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833    198.0194    181.12  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917    199.2942    185.10  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000    200.5969    189.16  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083    201.9279    193.26  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167    203.2883    197.53  .  Q      .      V  .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250    204.6788    201.90  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333    206.1012    206.52  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417    207.5563    211.28  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500    209.0460    216.31  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583    210.5715    221.50  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.583)
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109.667    212.1349    227.01  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750    213.7376    232.71  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833    215.3821    238.78  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917    217.0699    245.07  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  13.917)
110.000    218.8041    251.80  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.000)
110.083    220.5902    259.34  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.083)
110.167    222.4465    269.54  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.167)
110.250    224.3919    282.46  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.250)
110.333    226.4383    297.14  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.333)
110.417    228.5758    310.36  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.417)
110.500    230.7948    322.20  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.500)
110.583    233.0915    333.49  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.583)
110.667    235.4680    345.08  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.667)
110.750    237.9275    357.12  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.750)
110.833    240.4778    370.30  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  14.833)
110.917    243.1250    384.38  .    Q    .         .V        .         .
(PEAK DAY 1, HOUR  14.917)
111.000    245.8795    399.94  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.000)
111.083    248.7500    416.80  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.083)
111.167    251.7508    435.72  .     Q   .         . V       .         .
(PEAK DAY 1, HOUR  15.167)
111.250    254.8950    456.54  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.250)
111.333    258.2032    480.36  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.333)
111.417    261.6745    504.03  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  15.417)
111.500    265.2556    519.98  .      Q  .         .  V      .         .
(PEAK DAY 1, HOUR  15.500)
111.583    268.8864    527.19  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.583)
111.667    272.5746    535.52  .       Q .         .   V     .         .
(PEAK DAY 1, HOUR  15.667)
111.750    276.4615    564.39  .       Q .         .   V     .         .
(PEAK DAY 1, HOUR  15.750)
111.833    280.7536    623.20  .        Q.         .   V     .         .
(PEAK DAY 1, HOUR  15.833)
111.917    285.6821    715.63  .         .Q        .    V    .         .
(PEAK DAY 1, HOUR  15.917)
112.000    291.6738    869.99  .          . Q      .    V    .         .
(PEAK DAY 1, HOUR  16.000)
112.083    299.9257   1198.18  .          .       Q .     V   .         .
(PEAK DAY 1, HOUR  16.083)
112.167    312.6125   1842.12  .          .         .      VQ .         .
(PEAK DAY 1, HOUR  16.167)
112.250    329.2037   2409.04  .          .         .        V.      Q  .
(PEAK DAY 1, HOUR  16.250)
112.333    346.6870   2538.58  .          .         .         V        Q.
(PEAK DAY 1, HOUR  16.333)
112.417    360.1437   1953.91  .          .         .         QV       .
(PEAK DAY 1, HOUR  16.417)
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112.500    369.2429   1321.20  .          .          Q          . V        .
(PEAK DAY 1, HOUR  16.500)
112.583    375.7551    945.57  .          .   Q      .          .  V       .
(PEAK DAY 1, HOUR  16.583)
112.667    380.7361    723.23  .          .Q         .          .  V       .
(PEAK DAY 1, HOUR  16.667)
112.750    384.8868    602.69  .        Q.           .          .  V       .
(PEAK DAY 1, HOUR  16.750)
112.833    388.6063    540.07  .       Q .           .          .   V      .
(PEAK DAY 1, HOUR  16.833)
112.917    391.9329    483.02  .      Q  .           .          .   V      .
(PEAK DAY 1, HOUR  16.917)
113.000    394.9217    433.96  .     Q   .           .          .   V      .
(PEAK DAY 1, HOUR  17.000)
113.083    397.6353    394.02  .     Q   .           .          .    V     .
(PEAK DAY 1, HOUR  17.083)
113.167    400.1144    359.97  .    Q    .           .          .    V     .
(PEAK DAY 1, HOUR  17.167)
113.250    402.3992    331.75  .    Q    .           .          .    V     .
(PEAK DAY 1, HOUR  17.250)
113.333    404.5044    305.67  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.333)
113.417    406.4601    283.98  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.417)
113.500    408.2940    266.28  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.500)
113.583    410.0247    251.30  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.583)
113.667    411.6657    238.27  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.667)
113.750    413.2271    226.73  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.750)
113.833    414.7146    215.98  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.833)
113.917    416.1360    206.38  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.917)
114.000    417.4958    197.44  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  18.000)
114.083    418.7867    187.45  . Q       .           .          .     V    .
(PEAK DAY 1, HOUR  18.083)
114.167    419.9803    173.31  . Q       .           .          .      V   .
(PEAK DAY 1, HOUR  18.167)
114.250    421.0444    154.50  . Q       .           .          .      V   .
(PEAK DAY 1, HOUR  18.250)
114.333    421.9666    133.89  . Q       .           .          .      V   .
(PEAK DAY 1, HOUR  18.333)
114.417    422.7832    118.57  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.417)
114.500    423.5391    109.76  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.500)
114.583    424.2572    104.27  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.583)
114.667    424.9502    100.61  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.667)
114.750    425.6237     97.79  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.750)
114.833    426.2794     95.21  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.833)
114.917    426.9191     92.90  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.917)
115.000    427.5446     90.82  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.000)
115.083    428.1571     88.93  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.083)
115.167    428.7575     87.18  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.167)
115.250    429.3465     85.52  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.250)
115.333    429.9244     83.92  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.333)
115.417    430.4919     82.39  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.417)
115.500    431.0491     80.91  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.500)
115.583    431.5964     79.46  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.583)
115.667    432.1327     77.87  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.667)
115.750    432.6594     76.47  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.750)
115.833    433.1776     75.24  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.833)
115.917    433.6878     74.08  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.917)
116.000    434.1903     72.96  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.000)
116.083    434.6854     71.89  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.083)
116.167    435.1735     70.87  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.167)
116.250    435.6548     69.88  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.250)
116.333    436.1295     68.93  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.333)
116.417    436.5980     68.02  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.417)
116.500    437.0605     67.15  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.500)
116.583    437.5171     66.30  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.583)
116.667    437.9680     65.48  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.667)
116.750    438.4135     64.69  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  20.750)
116.833    438.8538     63.92  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  20.833)
116.917    439.2888     63.18  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  20.917)
117.000    439.7190     62.45  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.000)
117.083    440.1443     61.75  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.083)
117.167    440.5648     61.07  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.167)
117.250    440.9809     60.41  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.250)
117.333    441.3925     59.77  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.333)
117.417    441.7998     59.14  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.417)
117.500    442.2029     58.53  Q         .           .          .       V  .
(PEAK DAY 1, HOUR  21.500)
117.583    442.6020     57.94  Q         .           .          .        V.
(PEAK DAY 1, HOUR  21.583)
117.667    442.9971     57.37  Q         .           .          .        V.
(PEAK DAY 1, HOUR  21.667)
117.750    443.3883     56.81  Q         .           .          .        V.
(PEAK DAY 1, HOUR  21.750)
117.833    443.7758     56.26  Q         .           .          .        V.
(PEAK DAY 1, HOUR  21.833)
117.917    444.1596     55.73  Q         .           .          .        V.
(PEAK DAY 1, HOUR  21.917)
118.000    444.5399     55.21  Q         .           .          .        V.
(PEAK DAY 1, HOUR  22.000)
118.083    444.9166     54.71  Q         .           .          .        V.
(PEAK DAY 1, HOUR  22.083)
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 118.167    445.2900     54.21  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.167)
 118.250    445.6600     53.73  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.250)
 118.333    446.0268     53.26  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.333)
 118.417    446.3904     52.79  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.417)
 118.500    446.7509     52.34  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.500)
 118.583    447.1083     51.90  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.583)
 118.667    447.4628     51.47  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.667)
 118.750    447.8144     51.05  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.750)
 118.833    448.1631     50.64  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.833)
 118.917    448.5091     50.23  Q          .          .          .          V.
(PEAK DAY 1, HOUR  22.917)
 119.000    448.8523     49.83  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.000)
 119.083    449.1928     49.45  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.083)
 119.167    449.5307     49.06  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.167)
 119.250    449.8661     48.69  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.250)
 119.333    450.1989     48.33  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.333)
 119.417    450.5292     47.97  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.417)
 119.500    450.8572     47.62  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.500)
 119.583    451.1827     47.27  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.583)
 119.667    451.5060     46.93  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.667)
 119.750    451.8269     46.60  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.750)
 119.833    452.1455     46.27  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.833)
 119.917    452.4620     45.95  Q          .          .          .          V.
(PEAK DAY 1, HOUR  23.917)
 120.000    452.7763     45.64  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.000)
 120.083    453.0815     44.31  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.083)
 120.167    453.3494     38.91  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.167)
 120.250    453.5494     29.03  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.250)
 120.333    453.6667     17.04  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.333)
 120.417    453.7269      8.73  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.417)
 120.500    453.7581      4.53  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.500)
 120.583    453.7749      2.44  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.583)
 120.667    453.7856      1.55  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.667)
 120.750    453.7936      1.16  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.750)
 120.833    453.7993      0.83  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.833)
 120.917    453.8034      0.60  Q          .          .          .          V.
(PEAK DAY 1, HOUR  24.917)
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 121.000    453.8066      0.47  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.000)
 121.083    453.8093      0.39  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.083)
 121.167    453.8117      0.35  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.167)
 121.250    453.8139      0.32  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.250)
 121.333    453.8159      0.28  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.333)
 121.417    453.8176      0.25  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.417)
 121.500    453.8192      0.23  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.500)
 121.583    453.8205      0.20  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.583)
 121.667    453.8217      0.17  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.667)
 121.750    453.8228      0.15  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.750)
 121.833    453.8237      0.13  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.833)
 121.917    453.8244      0.11  Q          .          .          .          V.
(PEAK DAY 1, HOUR  25.917)
 122.000    453.8251      0.09  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.000)
 122.083    453.8256      0.08  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.083)
 122.167    453.8261      0.07  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.167)
 122.250    453.8265      0.06  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.250)
 122.333    453.8268      0.05  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.333)
 122.417    453.8271      0.04  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.417)
 122.500    453.8274      0.04  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.500)
 122.583    453.8277      0.04  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.583)
 122.667    453.8279      0.03  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.667)
 122.750    453.8281      0.03  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.750)
 122.833    453.8283      0.03  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.833)
 122.917    453.8285      0.02  Q          .          .          .          V.
(PEAK DAY 1, HOUR  26.917)
 123.000    453.8286      0.02  Q          .          .          .          V.
(PEAK DAY 1, HOUR  27.000)
 123.083    453.8288      0.02  Q          .          .          .           V
(PEAK DAY 1, HOUR  27.083)
 123.167    453.8289      0.02  Q          .          .          .           V
(PEAK DAY 1, HOUR  27.167)
 123.250    453.8290      0.01  Q          .          .          .           V
(PEAK DAY 1, HOUR  27.250)
 123.333    453.8290      0.01  Q          .          .          .           V
(PEAK DAY 1, HOUR  27.333)
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
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        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6961.5 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6371.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of  6961.5 Ac. ***

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
       (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1150.0    2300.0    3450.0    4600.0
--------------------------------------------------------------------------------
  96.000    735.6683    328.03  . Q      V.          .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    737.9222    327.26  . Q      V.          .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    740.1942    329.90  . Q      V.          .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    742.5139    336.82  . Q      V.          .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    744.9049    347.18  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    747.3643    357.10  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    749.8882    366.48  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    752.4734    375.36  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    755.1055    382.19  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    757.7681    386.60  .  Q     V.          .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    760.4495    389.34  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    763.1423    391.00  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    765.8419    391.98  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    768.5457    392.59  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    771.2527    393.06  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    773.9625    393.46  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    776.6746    393.80  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    779.3885    394.06  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    782.1039    394.27  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    784.8205    394.45  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    787.5383    394.63  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    790.2574    394.81  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    792.9778    395.00  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    795.6995    395.19  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    798.4223    395.35  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    801.1459    395.47  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    803.8701    395.54  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    806.5946    395.61  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    809.3196    395.67  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    812.0450    395.73  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    814.7709    395.80  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    817.4973    395.88  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    820.2244    395.97  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    822.9520    396.06  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    825.6804    396.15  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    828.4094    396.26  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    831.1393    396.37  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    833.8699    396.49  .  Q      V          .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    836.6015    396.62  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    839.3340    396.77  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    842.0677    396.92  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    844.8025    397.10  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    847.5386    397.29  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    850.2762    397.49  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    853.0153    397.72  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    855.7560    397.96  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    858.4985    398.21  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    861.2429    398.49  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    863.9893    398.77  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.000)
 100.083    866.7377    399.08  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.083)
 100.167    869.4884    399.40  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.167)
 100.250    872.2413    399.73  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.250)
 100.333    874.9967    400.08  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.333)
 100.417    877.7546    400.45  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.417)
 100.500    880.5153    400.84  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.500)
 100.583    883.2786    401.23  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.583)
 100.667    886.0447    401.65  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.667)
 100.750    888.8138    402.08  .  Q      .V         .         .         .
 (PEAK DAY 1, HOUR   4.750)
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 100.833    891.5861    402.52  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.833)
 100.917    894.3615    402.99  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.917)
 101.000    897.1401    403.47  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   5.000)
 101.083    899.9223    403.97  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   5.083)
 101.167    902.7080    404.48  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   5.167)
 101.250    905.4974    405.02  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   5.250)
 101.333    908.2906    405.57  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   5.333)
 101.417    911.0877    406.14  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.417)
 101.500    913.8889    406.73  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.500)
 101.583    916.6942    407.34  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.583)
 101.667    919.5039    407.96  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.667)
 101.750    922.3180    408.61  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.750)
 101.833    925.1367    409.28  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.833)
 101.917    927.9601    409.96  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.917)
 102.000    930.7885    410.67  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.000)
 102.083    933.6217    411.39  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.083)
 102.167    936.4601    412.14  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.167)
 102.250    939.3038    412.90  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.250)
 102.333    942.1530    413.69  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.333)
 102.417    945.0076    414.50  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.417)
 102.500    947.8680    415.33  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.500)
 102.583    950.7343    416.18  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.583)
 102.667    953.6066    417.06  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.667)
 102.750    956.4850    417.95  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.750)
 102.833    959.3698    418.87  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.833)
 102.917    962.2610    419.81  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.917)
 103.000    965.1589    420.77  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.000)
 103.083    968.0636    421.76  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.083)
 103.167    970.9753    422.77  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.167)
 103.250    973.8940    423.80  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.250)
 103.333    976.8201    424.87  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.333)
 103.417    979.7537    425.95  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.417)
 103.500    982.6949    427.06  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.500)
 103.583    985.6439    428.20  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.583)
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 103.667    988.6009    429.36  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.667)
 103.750    991.5661    430.55  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.750)
 103.833    994.5397    431.77  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.833)
 103.917    997.5218    433.01  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.917)
 104.000   1000.5127    434.28  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.000)
 104.083   1003.5126    435.58  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.083)
 104.167   1006.5216    436.91  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.167)
 104.250   1009.5400    438.27  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.250)
 104.333   1012.5679    439.66  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.333)
 104.417   1015.6057    441.08  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.417)
 104.500   1018.6534    442.53  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.500)
 104.583   1021.7113    444.01  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.583)
 104.667   1024.7797    445.53  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.667)
 104.750   1027.8588    447.08  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.750)
 104.833   1030.9487    448.67  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.833)
 104.917   1034.0499    450.29  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   8.917)
 105.000   1037.1625    451.95  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   9.000)
 105.083   1040.2866    453.63  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   9.083)
 105.167   1043.4227    455.37  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   9.167)
 105.250   1046.5710    457.13  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   9.250)
 105.333   1049.7318    458.94  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   9.333)
 105.417   1052.9053    460.79  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   9.417)
 105.500   1056.0918    462.68  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   9.500)
 105.583   1059.2915    464.60  .   Q     . V      .        .        .
(PEAK DAY 1, HOUR   9.583)
 105.667   1062.5049    466.58  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.667)
 105.750   1065.7322    468.60  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.750)
 105.833   1068.9736    470.66  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.833)
 105.917   1072.2294    472.73  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR   9.917)
 106.000   1075.4994    474.80  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR  10.000)
 106.083   1078.7836    476.86  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR  10.083)
 106.167   1082.0820    478.93  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR  10.167)
 106.250   1085.3949    481.03  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR  10.250)
 106.333   1088.7225    483.18  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR  10.333)
 106.417   1092.0652    485.36  .   Q     .  V     .        .        .
(PEAK DAY 1, HOUR  10.417)
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 106.500   1095.4233    487.61  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.500)
 106.583   1098.7972    489.89  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.583)
 106.667   1102.1874    492.25  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.667)
 106.750   1105.5940    494.65  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.750)
 106.833   1109.0177    497.12  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.833)
 106.917   1112.4587    499.64  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  10.917)
 107.000   1115.9177    502.24  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.000)
 107.083   1119.3949    504.89  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.083)
 107.167   1122.8909    507.62  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.167)
 107.250   1126.4061    510.41  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.250)
 107.333   1129.9412    513.28  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.333)
 107.417   1133.4965    516.22  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.417)
 107.500   1137.0726    519.25  .   Q     .   V     .         .         .
(PEAK DAY 1, HOUR  11.500)
 107.583   1140.6700    522.35  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.583)
 107.667   1144.2896    525.55  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.667)
 107.750   1147.9316    528.83  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.750)
 107.833   1151.5970    532.21  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.833)
 107.917   1155.2863    535.68  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  11.917)
 108.000   1159.0001    539.26  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  12.000)
 108.083   1162.7483    544.24  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  12.083)
 108.167   1166.5695    554.84  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  12.167)
 108.250   1170.5099    572.15  .   Q     .    V    .         .         .
(PEAK DAY 1, HOUR  12.250)
 108.333   1174.6024    594.23  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.333)
 108.417   1178.8322    614.16  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.417)
 108.500   1183.1818    631.57  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.500)
 108.583   1187.6412    647.51  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.583)
 108.667   1192.1952    661.24  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.667)
 108.750   1196.8286    672.77  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.750)
 108.833   1201.5333    683.12  .    Q    .    V    .         .         .
(PEAK DAY 1, HOUR  12.833)
 108.917   1206.3038    692.67  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  12.917)
 109.000   1211.1378    701.90  .     Q   .    V    .         .         .
(PEAK DAY 1, HOUR  13.000)
 109.083   1216.0345    711.00  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.083)
 109.167   1220.9954    720.30  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.167)
 109.250   1226.0214    729.78  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.250)
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 109.333   1231.1145    739.52  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.333)
 109.417   1236.2758    749.41  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.417)
 109.500   1241.5072    759.61  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.500)
 109.583   1246.8107    770.06  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.583)
 109.667   1252.1893    780.98  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.667)
 109.750   1257.6456    792.26  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.750)
 109.833   1263.1836    804.12  .     Q   .     V   .         .         .
(PEAK DAY 1, HOUR  13.833)
 109.917   1268.8064    816.43  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  13.917)
 110.000   1274.5187    829.43  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.000)
 110.083   1280.3280    843.51  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.083)
 110.167   1286.2550    860.61  .      Q  .     V   .         .         .
(PEAK DAY 1, HOUR  14.167)
 110.250   1292.3221    880.95  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  14.250)
 110.333   1298.5469    903.83  .      Q  .      V  .         .         .
(PEAK DAY 1, HOUR  14.333)
 110.417   1304.9248    926.08  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.417)
 110.500   1311.4521    947.78  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.500)
 110.583   1318.1289    969.47  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.583)
 110.667   1324.9597    991.84  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.667)
 110.750   1331.9517   1015.23  .       Q .      V  .         .         .
(PEAK DAY 1, HOUR  14.750)
 110.833   1339.1196   1040.79  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  14.833)
 110.917   1346.4780   1068.45  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  14.917)
 111.000   1354.0468   1098.98  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.000)
 111.083   1361.8451   1132.31  .        Q.      V  .         .         .
(PEAK DAY 1, HOUR  15.083)
 111.167   1369.9000   1169.58  .         Q      V  .         .         .
(PEAK DAY 1, HOUR  15.167)
 111.250   1378.2396   1210.92  .         Q      V  .         .         .
(PEAK DAY 1, HOUR  15.250)
 111.333   1386.9027   1257.88  .         Q      V  .         .         .
(PEAK DAY 1, HOUR  15.333)
 111.417   1395.9080   1307.57  .         .Q     V  .         .         .
(PEAK DAY 1, HOUR  15.417)
 111.500   1405.2205   1352.18  .         .Q     V  .         .         .
(PEAK DAY 1, HOUR  15.500)
 111.583   1414.7886   1389.30  .         . Q    V  .         .         .
(PEAK DAY 1, HOUR  15.583)
 111.667   1424.6145   1426.72  .         . Q    V  .         .         .
(PEAK DAY 1, HOUR  15.667)
 111.750   1434.8292   1483.18  .         . Q    V  .         .         .
(PEAK DAY 1, HOUR  15.750)
 111.833   1445.6390   1569.59  .         .  Q    V.         .         .
(PEAK DAY 1, HOUR  15.833)
 111.917   1457.3267   1697.05  .         .   Q   V.         .         .
(PEAK DAY 1, HOUR  15.917)
 112.000   1470.4601   1906.97  .         .    Q  V.         .         .
(PEAK DAY 1, HOUR  16.000)
 112.083   1486.4692   2324.53  .         .       VQ         .         .
(PEAK DAY 1, HOUR  16.083)
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 112.167   1508.0259   3130.02  .          .        V.      Q  .          .
(PEAK DAY 1, HOUR  16.167)
 112.250   1535.3987   3974.52  .          .         V          .   Q      .
(PEAK DAY 1, HOUR  16.250)
 112.333   1566.5618   4524.87  .          .         V          .        Q.
(PEAK DAY 1, HOUR  16.333)
 112.417   1596.9734   4415.77  .          .        .V          .       Q  .
(PEAK DAY 1, HOUR  16.417)
 112.500   1625.8770   4196.80  .          .        .V          .     Q    .
(PEAK DAY 1, HOUR  16.500)
 112.583   1652.8608   3918.06  .          .        .V          .   Q      .
(PEAK DAY 1, HOUR  16.583)
 112.667   1676.2968   3402.89  .          .        . V       Q.          .
(PEAK DAY 1, HOUR  16.667)
 112.750   1695.8585   2840.37  .          .        . V Q     .           .
(PEAK DAY 1, HOUR  16.750)
 112.833   1712.3983   2401.58  .          .        Q V       .           .
(PEAK DAY 1, HOUR  16.833)
 112.917   1726.7034   2077.10  .          .       Q . V      .           .
(PEAK DAY 1, HOUR  16.917)
 113.000   1739.3438   1835.38  .          .    Q    . V      .           .
(PEAK DAY 1, HOUR  17.000)
 113.083   1750.7847   1661.22  .          .   Q     .  V      .           .
(PEAK DAY 1, HOUR  17.083)
 113.167   1761.3547   1534.77  .          .  Q      .  V      .           .
(PEAK DAY 1, HOUR  17.167)
 113.250   1771.2345   1434.55  .          . Q       .  V      .           .
(PEAK DAY 1, HOUR  17.250)
 113.333   1780.5006   1345.43  .          .Q        .  V      .           .
(PEAK DAY 1, HOUR  17.333)
 113.417   1789.2406   1269.05  .          .Q        .  V      .           .
(PEAK DAY 1, HOUR  17.417)
 113.500   1797.5564   1207.45  .          Q         .  V      .           .
(PEAK DAY 1, HOUR  17.500)
 113.583   1805.5370   1158.79  .          Q         .  V      .           .
(PEAK DAY 1, HOUR  17.583)
 113.667   1813.2532   1120.38  .         Q.         .  V      .           .
(PEAK DAY 1, HOUR  17.667)
 113.750   1820.7559   1089.38  .         Q.         .   V     .           .
(PEAK DAY 1, HOUR  17.750)
 113.833   1828.0757   1062.84  .         Q.         .   V     .           .
(PEAK DAY 1, HOUR  17.833)
 113.917   1835.2349   1039.52  .         Q.         .   V     .           .
(PEAK DAY 1, HOUR  17.917)
 114.000   1842.2479   1018.29  .        Q .         .   V     .           .
(PEAK DAY 1, HOUR  18.000)
 114.083   1849.1133    996.85  .        Q .         .   V     .           .
(PEAK DAY 1, HOUR  18.083)
 114.167   1855.8058    971.75  .        Q .         .   V     .           .
(PEAK DAY 1, HOUR  18.167)
 114.250   1862.2948    942.21  .        Q .         .   V     .           .
(PEAK DAY 1, HOUR  18.250)
 114.333   1868.5598    909.67  .      Q   .         .   V     .           .
(PEAK DAY 1, HOUR  18.333)
 114.417   1874.6256    880.76  .      Q   .         .   V     .           .
(PEAK DAY 1, HOUR  18.417)
 114.500   1880.5284    857.10  .      Q   .         .   V     .           .
(PEAK DAY 1, HOUR  18.500)
 114.583   1886.2891    836.45  .      Q   .         .   V     .           .
(PEAK DAY 1, HOUR  18.583)
 114.667   1891.9244    818.26  .      Q   .         .   V     .           .
(PEAK DAY 1, HOUR  18.667)
 114.750   1897.4524    802.65  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  18.750)
 114.833   1902.8914    789.74  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  18.833)
 114.917   1908.2571    779.11  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  18.917)
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 115.000   1913.5571    769.57  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.000)
 115.083   1918.7957    760.63  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.083)
 115.167   1923.9805    752.84  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.167)
 115.250   1929.1196    746.21  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.250)
 115.333   1934.2177    740.23  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.333)
 115.417   1939.2784    734.83  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.417)
 115.500   1944.3055    729.94  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.500)
 115.583   1949.3010    725.35  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.583)
 115.667   1954.2651    720.79  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.667)
 115.750   1959.1998    716.51  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.750)
 115.833   1964.1066    712.45  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.833)
 115.917   1968.9847    708.31  .     Q    .         .    V    .           .
(PEAK DAY 1, HOUR  19.917)
 116.000   1973.8334    704.02  .     Q    .         .     V   .           .
(PEAK DAY 1, HOUR  20.000)
 116.083   1978.6533    699.86  .     Q    .         .     V   .           .
(PEAK DAY 1, HOUR  20.083)
 116.167   1983.4474    696.09  .     Q    .         .     V   .           .
(PEAK DAY 1, HOUR  20.167)
 116.250   1988.2177    692.64  .     Q    .         .     V   .           .
(PEAK DAY 1, HOUR  20.250)
 116.333   1992.9653    689.37  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  20.333)
 116.417   1997.6909    686.16  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  20.417)
 116.500   2002.3926    682.68  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  20.500)
 116.583   2007.0701    679.17  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  20.583)
 116.667   2011.7261    676.05  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  20.667)
 116.750   2016.3629    673.27  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  20.750)
 116.833   2020.9821    670.69  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  20.833)
 116.917   2025.5842    668.24  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  20.917)
 117.000   2030.1700    665.86  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  21.000)
 117.083   2034.7396    663.50  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  21.083)
 117.167   2039.2937    661.26  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  21.167)
 117.250   2043.8333    659.14  .    Q     .         .     V   .           .
(PEAK DAY 1, HOUR  21.250)
 117.333   2048.3586    657.10  .    Q     .         .      V  .           .
(PEAK DAY 1, HOUR  21.333)
 117.417   2052.8704    655.11  .    Q     .         .      V  .           .
(PEAK DAY 1, HOUR  21.417)
 117.500   2057.3689    653.18  .    Q     .         .      V  .           .
(PEAK DAY 1, HOUR  21.500)
 117.583   2061.8545    651.30  .    Q     .         .      V  .           .
(PEAK DAY 1, HOUR  21.583)
 117.667   2066.3274    649.47  .    Q     .         .      V  .           .
(PEAK DAY 1, HOUR  21.667)
 117.750   2070.7881    647.68  .    Q     .         .      V  .           .
(PEAK DAY 1, HOUR  21.750)
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 117.833   2075.2366    645.93  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.833)
 117.917   2079.6733    644.22  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.917)
 118.000   2084.0986    642.55  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.000)
 118.083   2088.5127    640.93  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.083)
 118.167   2092.9158    639.33  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.167)
 118.250   2097.3081    637.77  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.250)
 118.333   2101.6899    636.24  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.333)
 118.417   2106.0615    634.74  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.417)
 118.500   2110.4229    633.27  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.500)
 118.583   2114.7742    631.83  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.583)
 118.667   2119.1160    630.41  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  22.667)
 118.750   2123.4480    629.03  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  22.750)
 118.833   2127.7708    627.66  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  22.833)
 118.917   2132.0842    626.33  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  22.917)
 119.000   2136.3887    625.01  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.000)
 119.083   2140.6843    623.71  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.083)
 119.167   2144.9712    622.44  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.167)
 119.250   2149.2493    621.19  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.250)
 119.333   2153.5188    619.95  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.333)
 119.417   2157.7800    618.74  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.417)
 119.500   2162.0330    617.54  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.500)
 119.583   2166.2778    616.36  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.583)
 119.667   2170.5146    615.20  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.667)
 119.750   2174.7437    614.05  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.750)
 119.833   2178.9648    612.92  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.833)
 119.917   2183.1785    611.80  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  23.917)
 120.000   2187.3845    610.70  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  24.000)
 120.083   2191.5759    608.60  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  24.083)
 120.167   2195.7229    602.15  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  24.167)
 120.250   2199.7878    590.22  .    Q    .         .           V.         .
(PEAK DAY 1, HOUR  24.250)
 120.333   2203.7405    573.92  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.333)
 120.417   2207.5852    558.26  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.417)
 120.500   2211.3274    543.38  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.500)
 120.583   2214.9727    529.28  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.583)
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 120.667   2218.5410    518.12  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.667)
 120.750   2222.0562    510.39  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.750)
 120.833   2225.5347    505.07  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.833)
 120.917   2228.9875    501.37  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.917)
 121.000   2232.4226    498.76  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.000)
 121.083   2235.8442    496.81  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.083)
 121.167   2239.2546    495.19  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.167)
 121.250   2242.6550    493.75  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.250)
 121.333   2246.0469    492.49  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.333)
 121.417   2249.4312    491.39  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.417)
 121.500   2252.8088    490.43  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.500)
 121.583   2256.1804    489.56  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.583)
 121.667   2259.5466    488.76  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.667)
 121.750   2262.9075    488.00  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.750)
 121.833   2266.2632    487.26  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.833)
 121.917   2269.6140    486.55  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  25.917)
 122.000   2272.9602    485.85  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  26.000)
 122.083   2276.3018    485.18  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.083)
 122.167   2279.6387    484.52  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.167)
 122.250   2282.9712    483.89  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.250)
 122.333   2286.2996    483.26  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.333)
 122.417   2289.6238    482.67  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.417)
 122.500   2292.9438    482.09  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.500)
 122.583   2296.2600    481.52  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.583)
 122.667   2299.5725    480.96  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.667)
 122.750   2302.8813    480.43  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.750)
 122.833   2306.1865    479.92  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.833)
 122.917   2309.4883    479.42  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  26.917)
 123.000   2312.7866    478.93  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.000)
 123.083   2316.0818    478.45  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.083)
 123.167   2319.3738    477.99  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.167)
 123.250   2322.6626    477.53  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.250)
 123.333   2325.9482    477.08  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.333)
 123.417   2329.2307    476.63  .   Q     .         .            V         .
(PEAK DAY 1, HOUR  27.417)
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 123.500   2332.5103    476.18  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.500)
 123.583   2335.7866    475.73  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.583)
 123.667   2339.0598    475.28  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.667)
 123.750   2342.3301    474.84  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.750)
 123.833   2345.5972    474.39  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.833)
 123.917   2348.8613    473.95  .   Q     .         .         V         .
 (PEAK DAY 1, HOUR  27.917)
 124.000   2352.1223    473.51  .   Q     .         .         .V        .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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********************************************************************************
  FLOW PROCESS FROM NODE   6371.00 TO NODE   6395.00 IS CODE = 5.2
--------------------------------------------------------------------------------
  >>>>>MODEL CHANNEL ROUTING OF STREAM #1 BY THE CONVEX METHOD<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  6961.5 Ac. ***

         THE MODIFIED C-ROUTING COEFFICIENT IS ESTIMATED IN ORDER
         TO ROUTE THE STREAM 1 INFLOW HYDROGRAPH BY 5-MINUTE
         INTERVALS(Reference: the National Engineering Handbook,
         Hydrology, Chapter 17, page 17-52, August,1972,
         U.S. Department of Commerce).


         ASSUMED REGULAR CHANNEL INFORMATION:
           BASEWIDTH(FT) =   35.00     CHANNEL Z =  1.00
           UPSTREAM ELEVATION(FT) =     220.00
           DOWNSTREAM ELEVATION(FT) =     213.00
           CHANNEL LENGTH(FT) =     959.00     MANNING'S FACTOR = 0.040
           CONSTANT LOSS RATE(CFS) =    0.00


         CHANNEL ROUTING COEFFICIENT ESTIMATED:
           MAXIMUM INFLOW(CFS) =  4524.87
           AVERAGE FLOWRATE IN EXCESS OF 50% MAXIMUM INFLOW =  3512.94
           CHANNEL NORMAL VELOCITY FOR Q =  3512.94 CFS =  10.37 FPS
           ESTIMATED CHANNEL ROUTING COEFFICIENT = 0.859

         MODIFIED CHANNEL ROUTING COEFFICIENT FOR 5-MINUTE
         UNIT INTERVALS IS CSTAR = 0.996


         CONVEX METHOD CHANNEL ROUTING RESULTS:
                                              OUTFLOW LESS
                CLOCK        INFLOW     ROUTED      LOSS
PEAK    TIME    TIME       (STREAM 1)    FLOW     (STREAM 1)
 DAY   (HRS)   (HRS)         (CFS)       (CFS)      (CFS)
  2   24.000  96.000       328.03      328.45      328.45
  1    0.083  96.083       327.26      327.47      327.47
  1    0.167  96.167       329.90      329.19      329.19
  1    0.250  96.250       336.82      334.96      334.96
  1    0.333  96.333       347.18      344.40      344.40
  1    0.417  96.417       357.10      354.44      354.44
  1    0.500  96.500       366.48      363.96      363.96
  1    0.583  96.583       375.36      372.98      372.98
  1    0.667  96.667       382.19      380.35      380.35
  1    0.750  96.750       386.60      385.41      385.41
  1    0.833  96.833       389.34      388.60      388.60
  1    0.917  96.917       391.00      390.55      390.55
  1    1.000  97.000       391.98      391.72      391.72
  1    1.083  97.083       392.59      392.43      392.43
  1    1.167  97.167       393.06      392.93      392.93
  1    1.250  97.250       393.46      393.35      393.35
  1    1.333  97.333       393.80      393.71      393.71
  1    1.417  97.417       394.06      393.99      393.99
  1    1.500  97.500       394.27      394.21      394.21
  1    1.583  97.583       394.45      394.40      394.40
  1    1.667  97.667       394.63      394.58      394.58
  1    1.750  97.750       394.81      394.76      394.76
  1    1.833  97.833       395.00      394.95      394.95
  1    1.917  97.917       395.19      395.14      395.14
  1    2.000  98.000       395.35      395.31      395.31
  1    2.083  98.083       395.47      395.44      395.44
  1    2.167  98.167       395.54      395.52      395.52
  1    2.250  98.250       395.61      395.59      395.59
  1    2.333  98.333       395.67      395.65      395.65
  1    2.417  98.417       395.73      395.71      395.71
  1    2.500  98.500       395.80      395.78      395.78
  1    2.583  98.583       395.88      395.86      395.86
  1    2.667  98.667       395.97      395.94      395.94
  1    2.750  98.750       396.06      396.03      396.03
  1    2.833  98.833       396.15      396.13      396.13
  1    2.917  98.917       396.26      396.23      396.23
  1    3.000  99.000       396.37      396.34      396.34
  1    3.083  99.083       396.49      396.46      396.46
  1    3.167  99.167       396.62      396.59      396.59
  1    3.250  99.250       396.77      396.73      396.73
  1    3.333  99.333       396.92      396.88      396.88
  1    3.417  99.417       397.10      397.05      397.05
  1    3.500  99.500       397.29      397.24      397.24
  1    3.583  99.583       397.49      397.44      397.44
  1    3.667  99.667       397.72      397.66      397.66
  1    3.750  99.750       397.96      397.89      397.89
  1    3.833  99.833       398.21      398.14      398.14
  1    3.917  99.917       398.49      398.41      398.41
  1    4.000 100.000       398.77      398.70      398.70
  1    4.083 100.083       399.08      398.99      398.99
  1    4.167 100.167       399.40      399.31      399.31
  1    4.250 100.250       399.73      399.64      399.64
  1    4.333 100.333       400.08      399.99      399.99
  1    4.417 100.417       400.45      400.35      400.35
  1    4.500 100.500       400.84      400.73      400.73
  1    4.583 100.583       401.23      401.13      401.13
  1    4.667 100.667       401.65      401.54      401.54
  1    4.750 100.750       402.08      401.96      401.96
  1    4.833 100.833       402.52      402.40      402.40
  1    4.917 100.917       402.99      402.86      402.86
  1    5.000 101.000       403.47      403.34      403.34
  1    5.083 101.083       403.97      403.83      403.83
  1    5.167 101.167       404.48      404.35      404.35
  1    5.250 101.250       405.02      404.87      404.87
  1    5.333 101.333       405.57      405.42      405.42
  1    5.417 101.417       406.14      405.99      405.99
  1    5.500 101.500       406.73      406.57      406.57
  1    5.583 101.583       407.34      407.17      407.17
  1    5.667 101.667       407.96      407.80      407.80
  1    5.750 101.750       408.61      408.44      408.44
  1    5.833 101.833       409.28      409.10      409.10
  1    5.917 101.917       409.96      409.78      409.78
  1    6.000 102.000       410.67      410.48      410.48
  1    6.083 102.083       411.39      411.20      411.20
  1    6.167 102.167       412.14      411.94      411.94
  1    6.250 102.250       412.90      412.70      412.70
  1    6.333 102.333       413.69      413.48      413.48
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1	6.417	102.417	414.50	414.28	414.28
1	6.500	102.500	415.33	415.11	415.11
1	6.583	102.583	416.18	415.95	415.95
1	6.667	102.667	417.06	416.82	416.82
1	6.750	102.750	417.95	417.71	417.71
1	6.833	102.833	418.87	418.62	418.62
1	6.917	102.917	419.81	419.56	419.56
1	7.000	103.000	420.77	420.51	420.51
1	7.083	103.083	421.76	421.49	421.49
1	7.167	103.167	422.77	422.50	422.50
1	7.250	103.250	423.80	423.53	423.53
1	7.333	103.333	424.87	424.58	424.58
1	7.417	103.417	425.95	425.66	425.66
1	7.500	103.500	427.06	426.76	426.76
1	7.583	103.583	428.20	427.89	427.89
1	7.667	103.667	429.36	429.05	429.05
1	7.750	103.750	430.55	430.23	430.23
1	7.833	103.833	431.77	431.44	431.44
1	7.917	103.917	433.01	432.67	432.67
1	8.000	104.000	434.28	433.94	433.94
1	8.083	104.083	435.58	435.23	435.23
1	8.167	104.167	436.91	436.55	436.55
1	8.250	104.250	438.27	437.90	437.90
1	8.333	104.333	439.66	439.29	439.29
1	8.417	104.417	441.08	440.70	440.70
1	8.500	104.500	442.53	442.14	442.14
1	8.583	104.583	444.01	443.62	443.62
1	8.667	104.667	445.53	445.13	445.13
1	8.750	104.750	447.08	446.67	446.67
1	8.833	104.833	448.67	448.24	448.24
1	8.917	104.917	450.29	449.85	449.85
1	9.000	105.000	451.95	451.50	451.50
1	9.083	105.083	453.63	453.18	453.18
1	9.167	105.167	455.37	454.90	454.90
1	9.250	105.250	457.13	456.66	456.66
1	9.333	105.333	458.94	458.46	458.46
1	9.417	105.417	460.79	460.29	460.29
1	9.500	105.500	462.68	462.17	462.17
1	9.583	105.583	464.60	464.09	464.09
1	9.667	105.667	466.58	466.05	466.05
1	9.750	105.750	468.60	468.06	468.06
1	9.833	105.833	470.66	470.10	470.10
1	9.917	105.917	472.73	472.17	472.17
1	10.000	106.000	474.80	474.24	474.24
1	10.083	106.083	476.86	476.31	476.31
1	10.167	106.167	478.93	478.38	478.38
1	10.250	106.250	481.03	480.47	480.47
1	10.333	106.333	483.18	482.60	482.60
1	10.417	106.417	485.36	484.77	484.77
1	10.500	106.500	487.61	487.00	487.00
1	10.583	106.583	489.89	489.28	489.28
1	10.667	106.667	492.25	491.62	491.62
1	10.750	106.750	494.65	494.00	494.00
1	10.833	106.833	497.12	496.46	496.46
1	10.917	106.917	499.64	498.96	498.96
1	11.000	107.000	502.24	501.54	501.54
1	11.083	107.083	504.89	504.18	504.18
1	11.167	107.167	507.62	506.88	506.88
1	11.250	107.250	510.41	509.66	509.66
1	11.333	107.333	513.28	512.51	512.51
1	11.417	107.417	516.22	515.43	515.43
1	11.500	107.500	519.25	518.44	518.44
1	11.583	107.583	522.35	521.52	521.52
1	11.667	107.667	525.55	524.69	524.69
1	11.750	107.750	528.83	527.95	527.95
1	11.833	107.833	532.21	531.30	531.30
1	11.917	107.917	535.68	534.75	534.75
1	12.000	108.000	539.26	538.30	538.30

1	12.083	108.083	544.24	542.90	542.90
1	12.167	108.167	554.84	552.00	552.00
1	12.250	108.250	572.15	567.51	567.51
1	12.333	108.333	594.23	588.30	588.30
1	12.417	108.417	614.16	608.80	608.80
1	12.500	108.500	631.57	626.89	626.89
1	12.583	108.583	647.51	643.23	643.23
1	12.667	108.667	661.24	657.55	657.55
1	12.750	108.750	672.77	669.67	669.67
1	12.833	108.833	683.12	680.34	680.34
1	12.917	108.917	692.67	690.10	690.10
1	13.000	109.000	701.90	699.42	699.42
1	13.083	109.083	711.00	708.56	708.56
1	13.167	109.167	720.30	717.81	717.81
1	13.250	109.250	729.78	727.23	727.23
1	13.333	109.333	739.52	736.91	736.91
1	13.417	109.417	749.41	746.75	746.75
1	13.500	109.500	759.61	756.87	756.87
1	13.583	109.583	770.06	767.25	767.25
1	13.667	109.667	780.98	778.04	778.04
1	13.750	109.750	792.26	789.23	789.23
1	13.833	109.833	804.12	800.93	800.93
1	13.917	109.917	816.43	813.12	813.12
1	14.000	110.000	829.43	825.94	825.94
1	14.083	110.083	843.51	839.73	839.73
1	14.167	110.167	860.61	856.02	856.02
1	14.250	110.250	880.95	875.49	875.49
1	14.333	110.333	903.83	897.69	897.69
1	14.417	110.417	926.08	920.11	920.11
1	14.500	110.500	947.78	941.95	941.95
1	14.583	110.583	969.47	963.64	963.64
1	14.667	110.667	991.84	985.83	985.83
1	14.750	110.750	1015.23	1008.95	1008.95
1	14.833	110.833	1040.79	1033.92	1033.92
1	14.917	110.917	1068.45	1061.02	1061.02
1	15.000	111.000	1098.98	1090.78	1090.78
1	15.083	111.083	1132.31	1123.36	1123.36
1	15.167	111.167	1169.58	1159.57	1159.57
1	15.250	111.250	1210.92	1199.82	1199.82
1	15.333	111.333	1257.88	1245.27	1245.27
1	15.417	111.417	1307.57	1294.23	1294.23
1	15.500	111.500	1352.18	1340.19	1340.19
1	15.583	111.583	1389.30	1379.32	1379.32
1	15.667	111.667	1426.72	1416.67	1416.67
1	15.750	111.750	1483.18	1468.03	1468.03
1	15.833	111.833	1569.59	1546.41	1546.41
1	15.917	111.917	1697.05	1662.85	1662.85
1	16.000	112.000	1906.97	1850.67	1850.67
1	16.083	112.083	2324.53	2212.59	2212.59
1	16.167	112.167	3130.02	2914.07	2914.07
1	16.250	112.250	3974.52	3747.75	3747.75
1	16.333	112.333	4524.87	4376.76	4376.76
1	16.417	112.417	4415.77	4444.41	4444.41
1	16.500	112.500	4196.80	4255.50	4255.50
1	16.583	112.583	3918.06	3992.86	3992.86
1	16.667	112.667	3402.89	3541.01	3541.01
1	16.750	112.750	2840.37	2991.40	2991.40
1	16.833	112.833	2401.58	2519.56	2519.56
1	16.917	112.917	2077.10	2164.36	2164.36
1	17.000	113.000	1835.38	1900.38	1900.38
1	17.083	113.083	1661.22	1708.07	1708.07
1	17.167	113.167	1534.77	1568.78	1568.78
1	17.250	113.250	1434.55	1461.49	1461.49
1	17.333	113.333	1345.43	1369.38	1369.38
1	17.417	113.417	1269.05	1289.58	1289.58
1	17.500	113.500	1207.45	1224.01	1224.01
1	17.583	113.583	1158.79	1171.87	1171.87
1	17.667	113.667	1120.38	1130.71	1130.71

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  1   17.750 113.750      1089.38     1097.72     1097.72
  1   17.833 113.833      1062.84     1069.98     1069.98
  1   17.917 113.917      1039.52     1045.79     1045.79
  1   18.000 114.000      1018.29     1023.99     1023.99
  1   18.083 114.083       996.85     1002.61     1002.61
  1   18.167 114.167       971.75      978.49      978.49
  1   18.250 114.250       942.21      950.14      950.14
  1   18.333 114.333       909.67      918.41      918.41
  1   18.417 114.417       880.76      888.53      888.53
  1   18.500 114.500       857.10      863.46      863.46
  1   18.583 114.583       836.45      841.99      841.99
  1   18.667 114.667       818.26      823.15      823.15
  1   18.750 114.750       802.65      806.85      806.85
  1   18.833 114.833       789.74      793.21      793.21
  1   18.917 114.917       779.11      781.97      781.97
  1   19.000 115.000       769.57      772.13      772.13
  1   19.083 115.083       760.63      763.03      763.03
  1   19.167 115.167       752.84      754.93      754.93
  1   19.250 115.250       746.21      747.99      747.99
  1   19.333 115.333       740.23      741.84      741.84
  1   19.417 115.417       734.83      736.28      736.28
  1   19.500 115.500       729.94      731.25      731.25
  1   19.583 115.583       725.35      726.58      726.58
  1   19.667 115.667       720.79      722.02      722.02
  1   19.750 115.750       716.51      717.66      717.66
  1   19.833 115.833       712.45      713.54      713.54
  1   19.917 115.917       708.31      709.42      709.42
  1   20.000 116.000       704.02      705.17      705.17
  1   20.083 116.083       699.86      700.98      700.98
  1   20.167 116.167       696.09      697.11      697.11
  1   20.250 116.250       692.64      693.57      693.57
  1   20.333 116.333       689.37      690.25      690.25
  1   20.417 116.417       686.16      687.02      687.02
  1   20.500 116.500       682.68      683.62      683.62
  1   20.583 116.583       679.17      680.11      680.11
  1   20.667 116.667       676.05      676.89      676.89
  1   20.750 116.750       673.27      674.01      674.01
  1   20.833 116.833       670.69      671.38      671.38
  1   20.917 116.917       668.24      668.90      668.90
  1   21.000 117.000       665.86      666.50      666.50
  1   21.083 117.083       663.50      664.14      664.14
  1   21.167 117.167       661.26      661.86      661.86
  1   21.250 117.250       659.14      659.71      659.71
  1   21.333 117.333       657.10      657.65      657.65
  1   21.417 117.417       655.11      655.65      655.65
  1   21.500 117.500       653.18      653.70      653.70
  1   21.583 117.583       651.30      651.81      651.81
  1   21.667 117.667       649.47      649.96      649.96
  1   21.750 117.750       647.68      648.16      648.16
  1   21.833 117.833       645.93      646.40      646.40
  1   21.917 117.917       644.22      644.68      644.68
  1   22.000 118.000       642.55      643.00      643.00
  1   22.083 118.083       640.93      641.36      641.36
  1   22.167 118.167       639.33      639.76      639.76
  1   22.250 118.250       637.77      638.19      638.19
  1   22.333 118.333       636.24      636.65      636.65
  1   22.417 118.417       634.74      635.14      635.14
  1   22.500 118.500       633.27      633.66      633.66
  1   22.583 118.583       631.83      632.21      632.21
  1   22.667 118.667       630.41      630.79      630.79
  1   22.750 118.750       629.03      629.40      629.40
  1   22.833 118.833       627.66      628.03      628.03
  1   22.917 118.917       626.33      626.68      626.68
  1   23.000 119.000       625.01      625.36      625.36
  1   23.083 119.083       623.71      624.06      624.06
  1   23.167 119.167       622.44      622.78      622.78
  1   23.250 119.250       621.19      621.52      621.52
  1   23.333 119.333       619.95      620.28      620.28
  1   23.417 119.417       618.74      619.06      619.06
  1   23.500 119.500       617.54      617.86      617.86
  1   23.583 119.583       616.36      616.68      616.68
  1   23.667 119.667       615.20      615.51      615.51
  1   23.750 119.750       614.05      614.36      614.36
  1   23.833 119.833       612.92      613.22      613.22
  1   23.917 119.917       611.80      612.10      612.10
  1   24.000 120.000       610.70      611.00      611.00
  1   24.083 120.083       608.60      609.16      609.16
  1   24.167 120.167       602.15      603.88      603.88
  1   24.250 120.250       590.22      593.42      593.42
  1   24.333 120.333       573.92      578.29      578.29
  1   24.417 120.417       558.26      562.47      562.47
  1   24.500 120.500       543.38      547.38      547.38
  1   24.583 120.583       529.28      533.07      533.07
  1   24.667 120.667       518.12      521.12      521.12
  1   24.750 120.750       510.39      512.47      512.47
  1   24.833 120.833       505.07      506.50      506.50
  1   24.917 120.917       501.37      502.36      502.36
  1   25.000 121.000       498.76      499.47      499.47
  1   25.083 121.083       496.81      497.34      497.34
  1   25.167 121.167       495.19      495.62      495.62
  1   25.250 121.250       493.75      494.14      494.14
  1   25.333 121.333       492.49      492.83      492.83
  1   25.417 121.417       491.39      491.69      491.69
  1   25.500 121.500       490.43      490.69      490.69
  1   25.583 121.583       489.56      489.80      489.80
  1   25.667 121.667       488.76      488.98      488.98
  1   25.750 121.750       488.00      488.20      488.20
  1   25.833 121.833       487.26      487.46      487.46
  1   25.917 121.917       486.55      486.74      486.74
  1   26.000 122.000       485.85      486.04      486.04
  1   26.083 122.083       485.18      485.36      485.36
  1   26.167 122.167       484.52      484.70      484.70
  1   26.250 122.250       483.89      484.06      484.06
  1   26.333 122.333       483.26      483.43      483.43
  1   26.417 122.417       482.67      482.83      482.83
  1   26.500 122.500       482.09      482.24      482.24
  1   26.583 122.583       481.52      481.67      481.67
  1   26.667 122.667       480.96      481.11      481.11
  1   26.750 122.750       480.43      480.58      480.58
  1   26.833 122.833       479.92      480.06      480.06
  1   26.917 122.917       479.42      479.55      479.55
  1   27.000 123.000       478.93      479.06      479.06
  1   27.083 123.083       478.45      478.58      478.58
  1   27.167 123.167       477.99      478.11      478.11
  1   27.250 123.250       477.53      477.66      477.66
  1   27.333 123.333       477.08      477.20      477.20
  1   27.417 123.417       476.63      476.75      476.75
  1   27.500 123.500       476.18      476.30      476.30
  1   27.583 123.583       475.73      475.85      475.85
  1   27.667 123.667       475.28      475.40      475.40
  1   27.750 123.750       474.84      474.96      474.96
  1   27.833 123.833       474.39      474.51      474.51
  1   27.917 123.917       473.95      474.07      474.07
  1   28.000 124.000       473.51      473.63      473.63
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
 ===============================================================================
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   3032.779 AF
    OUTFLOW VOLUME =   3032.779 AF
    LOSS    VOLUME =      0.000 AF
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 *******************************************************************************
  FLOW PROCESS FROM NODE   6380.00 TO NODE   6395.00 IS CODE =   1
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        *** Note: This link/process output is based on its ***
        *** tributary area being adjusted, for depth-area  ***
        *** effects, using a specified area of   329.6 Ac. ***
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
================================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #2)

         WATERSHED AREA =     329.600 ACRES
         BASEFLOW =   0.000 CFS/SQUARE-MILE
         *USER ENTERED "LAG" TIME =    0.330 HOURS
          CAUTION: LAG TIME IS LESS THAN 0.50 HOURS.
          THE 5-MINUTE PERIOD UH MODEL (USED IN THIS COMPUTER PROGRAM)
          MAY BE TOO LARGE FOR PEAK FLOW ESTIMATES.
         VALLEY(DEVELOPED):
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.900
         FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.050
         VALLEY(UNDEVELOPED)/DESERT:
                  "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
         BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
         +------------------+--------+--------+--------+--------+--------+
         | RAINFALL DEPTHS & |        |        |        |        |        |
         |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
         |==================+========+========+========+========+========|
         | 5-MINUTE (INCHES) |    0.58|    0.27|    0.12|    0.06|    0.04|
         |30-MINUTE (INCHES) |    1.22|    0.56|    0.24|    0.13|    0.09|
         |   1-HOUR (INCHES) |    1.62|    0.75|    0.33|    0.17|    0.12|
         |   3-HOUR (INCHES) |    2.71|    1.25|    0.54|    0.28|    0.21|
         |   6-HOUR (INCHES) |    3.75|    1.73|    0.75|    0.39|    0.29|
         |  24-HOUR (INCHES) |    6.28|    2.89|    1.26|    0.66|    0.48|
         |==================+========+========+========+========+========|
         | LOSS RATE(IN/HR)  |   0.150|   0.150|   0.150|   0.150|   0.150|
         | LOW LOSS FRACTION |   0.500|   0.750|   0.950|   0.990|   0.990|
         +------------------+--------+--------+--------+--------+--------+
           5-MINUTE FACTOR = 0.985
          30-MINUTE FACTOR = 0.985
           1-HOUR FACTOR = 0.985
           3-HOUR FACTOR = 0.998
           6-HOUR FACTOR = 0.999
          24-HOUR FACTOR = 0.999

         UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
         UNIT INTERVAL PERCENTAGE OF LAG-TIME =  25.253


         RUNOFF HYDROGRAPH LISTING LIMITS:
         MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
         MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


================================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER         MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------------
        1                1.602               63.859
        2                7.797              246.932
        3               21.404              542.405
        4               39.370              716.138
        5               60.064              824.885
        6               75.891              630.876
        7               85.613              387.515
        8               91.167              221.417
        9               94.489              132.407
       10               96.293               71.884
       11               97.026               29.243
       12               97.665               25.478
       13               98.270               24.118
       14               98.850               23.087
       15               98.984                5.349
       16               99.089                4.176
       17               99.176                3.468
       18               99.236                2.391
       19               99.292                2.234
       20               99.345                2.124
       21               99.396                2.026
       22               99.445                1.965
       23               99.491                1.826
       24               99.536                1.815
       25               99.577                1.639
       26               99.617                1.559
       27               99.656                1.556
       28               99.690                1.365
       29               99.721                1.257
       30               99.753                1.257
       31               99.784                1.254
       32               99.812                1.082
       33               99.830                0.737
       34               99.848                0.724
       35               99.866                0.724
       36               99.885                0.724
       37               99.900                0.614
       38               99.906                0.230
       39               99.911                0.198
       40               99.916                0.197
       41               99.921                0.199
       42               99.926                0.197
       43               99.930                0.197
       44               99.935                0.198
       45               99.940                0.198
       46               99.945                0.197
       47               99.950                0.199
       48               99.955                0.197
       49               99.960                0.197
       50               99.965                0.196
       51               99.970                0.197
       52               99.975                0.197
       53               99.980                0.197
       54               99.985                0.196
       55               99.990                0.197
       56               99.995                0.197
       57              100.000                0.197
       58              100.000                0.013


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    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =     162.7269
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =     154.7721
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0. 200.0 400.0 600.0 800.0
96.000	41.7912	3.86	Q V . . .
(PEAK DAY 2, HOUR 24.000)			
96.083	41.8189	4.03	Q V . . .
(PEAK DAY 1, HOUR 0.083)			
96.167	41.8518	4.78	Q V . . .
(PEAK DAY 1, HOUR 0.167)			
96.250	41.8963	6.45	Q V . . .
(PEAK DAY 1, HOUR 0.250)			
96.333	41.9561	8.68	Q V . . .
(PEAK DAY 1, HOUR 0.333)			
96.417	42.0337	11.27	Q V . . .
(PEAK DAY 1, HOUR 0.417)			
96.500	42.1251	13.26	Q V . . .
(PEAK DAY 1, HOUR 0.500)			
96.583	42.2250	14.51	Q V . . .
(PEAK DAY 1, HOUR 0.583)			
96.667	42.3300	15.24	Q V . . .
(PEAK DAY 1, HOUR 0.667)			
96.750	42.4381	15.70	Q V . . .
(PEAK DAY 1, HOUR 0.750)			
96.833	42.5482	15.98	Q V . . .
(PEAK DAY 1, HOUR 0.833)			
96.917	42.6592	16.12	Q .V . . .
(PEAK DAY 1, HOUR 0.917)			
97.000	42.7712	16.26	Q .V . . .
(PEAK DAY 1, HOUR 1.000)			
97.083	42.8840	16.39	Q .V . . .
(PEAK DAY 1, HOUR 1.083)			
97.167	42.9978	16.51	Q .V . . .
(PEAK DAY 1, HOUR 1.167)			
97.250	43.1120	16.59	Q .V . . .
(PEAK DAY 1, HOUR 1.250)			
97.333	43.2267	16.66	Q .V . . .
(PEAK DAY 1, HOUR 1.333)			
97.417	43.3419	16.73	Q .V . . .
(PEAK DAY 1, HOUR 1.417)			
97.500	43.4576	16.79	Q .V . . .
(PEAK DAY 1, HOUR 1.500)			
97.583	43.5737	16.86	Q .V . . .
(PEAK DAY 1, HOUR 1.583)			
97.667	43.6902	16.92	Q .V . . .
(PEAK DAY 1, HOUR 1.667)			
97.750	43.8072	16.99	Q .V . . .
(PEAK DAY 1, HOUR 1.750)			
97.833	43.9247	17.06	Q .V . . .
(PEAK DAY 1, HOUR 1.833)			
97.917	44.0426	17.12	Q .V . . .
(PEAK DAY 1, HOUR 1.917)			
98.000	44.1610	17.19	Q .V . . .
(PEAK DAY 1, HOUR 2.000)			
98.083	44.2799	17.26	Q .V . . .
(PEAK DAY 1, HOUR 2.083)			
98.167	44.3992	17.33	Q .V . . .
(PEAK DAY 1, HOUR 2.167)			
98.250	44.5190	17.40	Q .V . . .
(PEAK DAY 1, HOUR 2.250)			
98.333	44.6393	17.46	Q .V . . .
(PEAK DAY 1, HOUR 2.333)			
98.417	44.7600	17.53	Q .V . . .
(PEAK DAY 1, HOUR 2.417)			
98.500	44.8812	17.60	Q .V . . .
(PEAK DAY 1, HOUR 2.500)			
98.583	45.0029	17.67	Q .V . . .
(PEAK DAY 1, HOUR 2.583)			
98.667	45.1251	17.74	Q .V . . .
(PEAK DAY 1, HOUR 2.667)			
98.750	45.2478	17.81	Q .V . . .
(PEAK DAY 1, HOUR 2.750)			
98.833	45.3710	17.88	Q .V . . .
(PEAK DAY 1, HOUR 2.833)			
98.917	45.4946	17.95	Q .V . . .
(PEAK DAY 1, HOUR 2.917)			
99.000	45.6188	18.03	Q .V . . .
(PEAK DAY 1, HOUR 3.000)			
99.083	45.7434	18.10	Q .V . . .
(PEAK DAY 1, HOUR 3.083)			
99.167	45.8686	18.17	Q .V . . .
(PEAK DAY 1, HOUR 3.167)			
99.250	45.9942	18.24	Q .V . . .
(PEAK DAY 1, HOUR 3.250)			
99.333	46.1204	18.32	Q .V . . .
(PEAK DAY 1, HOUR 3.333)			
99.417	46.2470	18.39	Q .V . . .
(PEAK DAY 1, HOUR 3.417)			
99.500	46.3742	18.47	Q .V . . .
(PEAK DAY 1, HOUR 3.500)			
99.583	46.5019	18.54	Q . V . . .
(PEAK DAY 1, HOUR 3.583)			
99.667	46.6301	18.62	Q . V . . .
(PEAK DAY 1, HOUR 3.667)			
99.750	46.7589	18.70	Q . V . . .
(PEAK DAY 1, HOUR 3.750)			
99.833	46.8882	18.77	Q . V . . .
(PEAK DAY 1, HOUR 3.833)			
99.917	47.0181	18.85	Q . V . . .
(PEAK DAY 1, HOUR 3.917)			
100.000	47.1484	18.93	Q . V . . .
(PEAK DAY 1, HOUR 4.000)			
100.083	47.2794	19.01	Q . V . . .
(PEAK DAY 1, HOUR 4.083)			
100.167	47.4109	19.09	Q . V . . .
(PEAK DAY 1, HOUR 4.167)			
100.250	47.5430	19.18	Q . V . . .
(PEAK DAY 1, HOUR 4.250)			
100.333	47.6756	19.26	Q . V . . .
(PEAK DAY 1, HOUR 4.333)			
100.417	47.8089	19.35	Q . V . . .
(PEAK DAY 1, HOUR 4.417)			
100.500	47.9427	19.43	Q . V . . .
(PEAK DAY 1, HOUR 4.500)			
100.583	48.0771	19.52	Q . V . . .
(PEAK DAY 1, HOUR 4.583)			
100.667	48.2121	19.60	Q . V . . .
(PEAK DAY 1, HOUR 4.667)			
100.750	48.3477	19.69	Q . V . . .
(PEAK DAY 1, HOUR 4.750)			
100.833	48.4840	19.78	Q . V . . .
(PEAK DAY 1, HOUR 4.833)			
100.917	48.6208	19.87	Q . V . . .
(PEAK DAY 1, HOUR 4.917)			
101.000	48.7583	19.96	Q . V . . .
(PEAK DAY 1, HOUR 5.000)			
101.083	48.8964	20.05	.Q . V . . .
(PEAK DAY 1, HOUR 5.083)			

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101.167     49.0351     20.15  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.167)
101.250     49.1745     20.24  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.250)
101.333     49.3146     20.34  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.333)
101.417     49.4553     20.43  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.417)
101.500     49.5967     20.53  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.500)
101.583     49.7388     20.63  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.583)
101.667     49.8815     20.73  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.667)
101.750     50.0250     20.83  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.750)
101.833     50.1692     20.93  .Q        . V       .         .         .
(PEAK DAY 1, HOUR   5.833)
101.917     50.3140     21.04  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   5.917)
102.000     50.4596     21.14  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.000)
102.083     50.6060     21.25  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.083)
102.167     50.7531     21.36  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.167)
102.250     50.9009     21.47  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.250)
102.333     51.0495     21.58  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.333)
102.417     51.1989     21.69  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.417)
102.500     51.3491     21.80  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.500)
102.583     51.5000     21.92  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.583)
102.667     51.6518     22.04  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.667)
102.750     51.8044     22.16  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.750)
102.833     51.9578     22.28  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.833)
102.917     52.1121     22.40  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   6.917)
103.000     52.2672     22.52  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.000)
103.083     52.4232     22.65  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.083)
103.167     52.5800     22.78  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.167)
103.250     52.7378     22.91  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.250)
103.333     52.8965     23.04  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.333)
103.417     53.0560     23.17  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.417)
103.500     53.2166     23.31  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.500)
103.583     53.3780     23.44  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.583)
103.667     53.5404     23.58  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.667)
103.750     53.7038     23.73  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.750)
103.833     53.8682     23.87  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.833)
103.917     54.0336     24.02  .Q        .  V      .         .         .
(PEAK DAY 1, HOUR   7.917)
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104.000     54.2001     24.16  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.000)
104.083     54.3675     24.32  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.083)
104.167     54.5361     24.47  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.167)
104.250     54.7057     24.63  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.250)
104.333     54.8764     24.78  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.333)
104.417     55.0482     24.95  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.417)
104.500     55.2211     25.11  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.500)
104.583     55.3952     25.28  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.583)
104.667     55.5705     25.45  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.667)
104.750     55.7469     25.62  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.750)
104.833     55.9246     25.80  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.833)
104.917     56.1035     25.98  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   8.917)
105.000     56.2836     26.16  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.000)
105.083     56.4651     26.35  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.083)
105.167     56.6478     26.53  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.167)
105.250     56.8319     26.73  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.250)
105.333     57.0173     26.92  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.333)
105.417     57.2041     27.13  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.417)
105.500     57.3923     27.33  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.500)
105.583     57.5820     27.54  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.583)
105.667     57.7731     27.75  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.667)
105.750     57.9657     27.97  .Q        .   V     .         .         .
(PEAK DAY 1, HOUR   9.750)
105.833     58.1598     28.19  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.833)
105.917     58.3555     28.41  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR   9.917)
106.000     58.5528     28.64  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.000)
106.083     58.7517     28.88  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.083)
106.167     58.9523     29.12  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.167)
106.250     59.1545     29.37  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.250)
106.333     59.3585     29.62  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.333)
106.417     59.5643     29.88  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.417)
106.500     59.7718     30.14  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.500)
106.583     59.9813     30.41  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.583)
106.667     60.1926     30.68  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.667)
106.750     60.4058     30.97  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.750)
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106.833     60.6211     31.25  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.833)
106.917     60.8384     31.55  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  10.917)
107.000     61.0578     31.85  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.000)
107.083     61.2793     32.17  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.083)
107.167     61.5030     32.48  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.167)
107.250     61.7290     32.81  .Q        .    V    .         .         .
(PEAK DAY 1, HOUR  11.250)
107.333     61.9573     33.15  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.333)
107.417     62.1880     33.50  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.417)
107.500     62.4211     33.85  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.500)
107.583     62.6567     34.21  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.583)
107.667     62.8950     34.59  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.667)
107.750     63.1358     34.98  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.750)
107.833     63.3794     35.37  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.833)
107.917     63.6259     35.78  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  11.917)
108.000     63.8752     36.20  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.000)
108.083     64.1287     36.80  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.083)
108.167     64.3896     37.88  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.167)
108.250     64.6632     39.74  .Q        .     V   .         .         .
(PEAK DAY 1, HOUR  12.250)
108.333     64.9529     42.06  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.333)
108.417     65.2611     44.75  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.417)
108.500     65.5850     47.04  . Q       .     V   .         .         .
(PEAK DAY 1, HOUR  12.500)
108.583     65.9215     48.85  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.583)
108.667     66.2684     50.37  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.667)
108.750     66.6252     51.80  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.750)
108.833     66.9912     53.15  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.833)
108.917     67.3665     54.49  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  12.917)
109.000     67.7512     55.86  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.000)
109.083     68.1459     57.30  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.083)
109.167     68.5507     58.79  . Q       .      V  .         .         .
(PEAK DAY 1, HOUR  13.167)
109.250     68.9661     60.31  .  Q      .      V  .         .         .
(PEAK DAY 1, HOUR  13.250)
109.333     69.3921     61.87  .  Q      .      V  .         .         .
(PEAK DAY 1, HOUR  13.333)
109.417     69.8296     63.52  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.417)
109.500     70.2787     65.21  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.500)
109.583     70.7402     67.01  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.583)
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109.667     71.2144     68.86  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.667)
109.750     71.7022     70.83  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.750)
109.833     72.2041     72.87  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.833)
109.917     72.7209     75.04  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  13.917)
110.000     73.2533     77.30  .  Q      .       V .         .         .
(PEAK DAY 1, HOUR  14.000)
110.083     73.8026     79.76  .  Q      .        V.         .         .
(PEAK DAY 1, HOUR  14.083)
110.167     74.3704     82.45  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.167)
110.250     74.9596     85.54  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.250)
110.333     75.5717     88.89  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.333)
110.417     76.2090     92.53  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.417)
110.500     76.8715     96.20  .   Q     .        V.         .         .
(PEAK DAY 1, HOUR  14.500)
110.583     77.5600     99.96  .   Q     .         V         .         .
(PEAK DAY 1, HOUR  14.583)
110.667     78.2749    103.81  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.667)
110.750     79.0182    107.93  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.750)
110.833     79.7914    112.27  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.833)
110.917     80.5973    117.01  .    Q    .         V         .         .
(PEAK DAY 1, HOUR  14.917)
111.000     81.4383    122.11  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.000)
111.083     82.3183    127.78  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.083)
111.167     83.2408    133.95  .     Q   .         .V        .         .
(PEAK DAY 1, HOUR  15.167)
111.250     84.2112    140.89  .      Q  .         .V        .         .
(PEAK DAY 1, HOUR  15.250)
111.333     85.2343    148.56  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.333)
111.417     86.3140    156.77  .      Q  .         . V       .         .
(PEAK DAY 1, HOUR  15.417)
111.500     87.4461    164.38  .       Q .         . V       .         .
(PEAK DAY 1, HOUR  15.500)
111.583     88.6237    170.99  .       Q .         . V       .         .
(PEAK DAY 1, HOUR  15.583)
111.667     89.8487    177.87  .       Q .         .  V      .         .
(PEAK DAY 1, HOUR  15.667)
111.750     91.1366    187.00  .        Q.         .  V      .         .
(PEAK DAY 1, HOUR  15.750)
111.833     92.5291    202.19  .         Q         .  V      .         .
(PEAK DAY 1, HOUR  15.833)
111.917     94.0982    227.84  .         .Q        .   V     .         .
(PEAK DAY 1, HOUR  15.917)
112.000     95.9486    268.68  .         .  Q      .   V     .         .
(PEAK DAY 1, HOUR  16.000)
112.083     98.3970    355.50  .         .      Q  .    V    .         .
(PEAK DAY 1, HOUR  16.083)
112.167    101.8439    500.50  .         .         .    QV   .         .
(PEAK DAY 1, HOUR  16.167)
112.250    106.5117    677.76  .         .         .      V  .  Q      .
(PEAK DAY 1, HOUR  16.250)
112.333    111.8129    769.73  .         .         .       V .       Q .
(PEAK DAY 1, HOUR  16.333)
112.417    117.2284    786.33  .         .         .        V        Q.
(PEAK DAY 1, HOUR  16.417)
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112.500    121.6811    646.54  .          .          .          .VQ        .
(PEAK DAY 1, HOUR  16.500)
112.583    124.9948    481.15  .          .          .   Q      . V        .
(PEAK DAY 1, HOUR  16.583)
112.667    127.4627    358.33  .          .      Q   .          . V        .
(PEAK DAY 1, HOUR  16.667)
112.750    129.3967    280.83  .          .   Q      .          .  V       .
(PEAK DAY 1, HOUR  16.750)
112.833    130.9455    224.88  .          .Q         .          .  V       .
(PEAK DAY 1, HOUR  16.833)
112.917    132.2140    184.19  .        Q.           .          .   V      .
(PEAK DAY 1, HOUR  16.917)
113.000    133.3513    165.13  .       Q .           .          .   V      .
(PEAK DAY 1, HOUR  17.000)
113.083    134.3849    150.08  .      Q  .           .          .   V      .
(PEAK DAY 1, HOUR  17.083)
113.167    135.3235    136.28  .     Q   .           .          .   V      .
(PEAK DAY 1, HOUR  17.167)
113.250    136.1315    117.32  .    Q    .           .          .    V     .
(PEAK DAY 1, HOUR  17.250)
113.333    136.8693    107.13  .    Q    .           .          .    V     .
(PEAK DAY 1, HOUR  17.333)
113.417    137.5491     98.70  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.417)
113.500    138.1786     91.40  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.500)
113.583    138.7664     85.36  .   Q     .           .          .    V     .
(PEAK DAY 1, HOUR  17.583)
113.667    139.3183     80.13  .   Q     .           .          .     V    .
(PEAK DAY 1, HOUR  17.667)
113.750    139.8382     75.50  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.750)
113.833    140.3296     71.35  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.833)
113.917    140.7949     67.57  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  17.917)
114.000    141.2367     64.15  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  18.000)
114.083    141.6554     60.80  .  Q      .           .          .     V    .
(PEAK DAY 1, HOUR  18.083)
114.167    142.0503     57.33  . Q       .           .          .     V    .
(PEAK DAY 1, HOUR  18.167)
114.250    142.4188     53.51  . Q       .           .          .     V    .
(PEAK DAY 1, HOUR  18.250)
114.333    142.7600     49.55  . Q       .           .          .     V    .
(PEAK DAY 1, HOUR  18.333)
114.417    143.0749     45.72  . Q       .           .          .     V    .
(PEAK DAY 1, HOUR  18.417)
114.500    143.3691     42.72  . Q       .           .          .      V   .
(PEAK DAY 1, HOUR  18.500)
114.583    143.6481     40.51  . Q       .           .          .      V   .
(PEAK DAY 1, HOUR  18.583)
114.667    143.9151     38.78  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.667)
114.750    144.1721     37.31  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.750)
114.833    144.4216     36.23  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.833)
114.917    144.6648     35.31  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  18.917)
115.000    144.9020     34.45  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.000)
115.083    145.1332     33.56  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.083)
115.167    145.3579     32.63  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.167)
115.250    145.5779     31.94  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.250)
115.333    145.7936     31.32  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.333)
115.417    146.0053     30.74  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.417)
115.500    146.2132     30.18  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.500)
115.583    146.4174     29.65  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.583)
115.667    146.6181     29.15  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.667)
115.750    146.8156     28.67  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.750)
115.833    147.0098     28.20  .Q        .           .          .      V   .
(PEAK DAY 1, HOUR  19.833)
115.917    147.2010     27.76  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  19.917)
116.000    147.3893     27.34  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.000)
116.083    147.5748     26.93  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.083)
116.167    147.7575     26.54  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.167)
116.250    147.9377     26.16  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.250)
116.333    148.1153     25.80  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.333)
116.417    148.2906     25.44  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.417)
116.500    148.4634     25.10  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.500)
116.583    148.6340     24.76  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.583)
116.667    148.8022     24.43  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.667)
116.750    148.9682     24.10  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.750)
116.833    149.1315     23.71  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.833)
116.917    149.2927     23.41  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  20.917)
117.000    149.4519     23.12  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.000)
117.083    149.6093     22.85  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.083)
117.167    149.7649     22.59  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.167)
117.250    149.9187     22.34  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.250)
117.333    150.0708     22.09  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.333)
117.417    150.2213     21.85  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.417)
117.500    150.3702     21.62  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.500)
117.583    150.5176     21.40  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.583)
117.667    150.6634     21.18  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.667)
117.750    150.8078     20.96  .Q        .           .          .       V  .
(PEAK DAY 1, HOUR  21.750)
117.833    150.9508     20.76  .Q        .           .          .        V.
(PEAK DAY 1, HOUR  21.833)
117.917    151.0923     20.56  .Q        .           .          .        V.
(PEAK DAY 1, HOUR  21.917)
118.000    151.2325     20.36  .Q        .           .          .        V.
(PEAK DAY 1, HOUR  22.000)
118.083    151.3714     20.17  .Q        .           .          .        V.
(PEAK DAY 1, HOUR  22.083)
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118.167	151.5090	19.98	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.167)								
118.250	151.6454	19.80	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.250)								
118.333	151.7805	19.62	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.333)								
118.417	151.9144	19.45	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.417)								
118.500	152.0472	19.28	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.500)								
118.583	152.1788	19.11	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.583)								
118.667	152.3093	18.95	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.667)								
118.750	152.4387	18.79	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.750)								
118.833	152.5670	18.63	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.833)								
118.917	152.6943	18.48	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 22.917)								
119.000	152.8205	18.33	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.000)								
119.083	152.9458	18.19	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.083)								
119.167	153.0701	18.05	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.167)								
119.250	153.1934	17.91	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.250)								
119.333	153.3158	17.77	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.333)								
119.417	153.4372	17.64	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.417)								
119.500	153.5578	17.50	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.500)								
119.583	153.6774	17.38	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.583)								
119.667	153.7962	17.25	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.667)								
119.750	153.9142	17.12	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.750)								
119.833	154.0313	17.00	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.833)								
119.917	154.1475	16.88	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 23.917)								
120.000	154.2630	16.77	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.000)								
120.083	154.3759	16.39	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.083)								
120.167	154.4811	15.28	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.167)								
120.250	154.5705	12.98	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.250)								
120.333	154.6393	9.99	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.333)								
120.417	154.6846	6.58	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.417)								
120.500	154.7121	3.98	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.500)								
120.583	154.7285	2.38	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.583)								
120.667	154.7386	1.47	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.667)								
120.750	154.7450	0.92	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.750)								
120.833	154.7493	0.63	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.833)								
120.917	154.7528	0.50	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 24.917)								

121.000	154.7555	0.40	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.000)								
121.083	154.7576	0.30	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.083)								
121.167	154.7589	0.20	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.167)								
121.250	154.7602	0.18	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.250)								
121.333	154.7613	0.16	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.333)								
121.417	154.7623	0.14	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.417)								
121.500	154.7632	0.13	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.500)								
121.583	154.7640	0.12	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.583)								
121.667	154.7648	0.11	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.667)								
121.750	154.7655	0.11	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.750)								
121.833	154.7662	0.10	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.833)								
121.917	154.7668	0.09	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 25.917)								
122.000	154.7674	0.08	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.000)								
122.083	154.7679	0.07	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.083)								
122.167	154.7683	0.07	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.167)								
122.250	154.7688	0.06	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.250)								
122.333	154.7691	0.05	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.333)								
122.417	154.7695	0.05	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.417)								
122.500	154.7697	0.04	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.500)								
122.583	154.7700	0.04	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.583)								
122.667	154.7702	0.03	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.667)								
122.750	154.7704	0.03	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.750)								
122.833	154.7706	0.03	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.833)								
122.917	154.7708	0.02	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 26.917)								
123.000	154.7709	0.02	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.000)								
123.083	154.7710	0.02	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.083)								
123.167	154.7711	0.02	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.167)								
123.250	154.7712	0.02	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.250)								
123.333	154.7713	0.01	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.333)								
123.417	154.7714	0.01	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.417)								
123.500	154.7715	0.01	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.500)								
123.583	154.7716	0.01	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.583)								
123.667	154.7717	0.01	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.667)								
123.750	154.7718	0.01	Q	.	.	.	V.	
(PEAK DAY 1, HOUR 27.750)								

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 123.833    154.7718      0.01  Q          .          .          .        V.
 (PEAK DAY 1, HOUR  27.833)
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********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =   7
--------------------------------------------------------------------------------
  >>>>>STREAM NUMBER 2 ADDED TO STREAM NUMBER 1<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  7291.1 Ac. ***
================================================================================


********************************************************************************
  FLOW PROCESS FROM NODE   6395.00 TO NODE   6395.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

         *** Note: This link/process output is based on its ***
         *** tributary area being adjusted, for depth-area  ***
         *** effects, using a specified area of  7291.1 Ac. ***

            STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.     1325.0    2650.0    3975.0    5300.0
--------------------------------------------------------------------------------
  96.000    776.8526    332.31  . Q      V.          .          .          .
 (PEAK DAY 2, HOUR  24.000)
  96.083    779.1357    331.50  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.083)
  96.167    781.4358    333.97  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.167)
  96.250    783.7872    341.42  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.250)
  96.333    786.2189    353.08  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.333)
  96.417    788.7375    365.71  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.417)
  96.500    791.3354    377.22  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.500)
  96.583    794.0041    387.49  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.583)
  96.667    796.7286    395.60  . Q      V.          .          .          .
 (PEAK DAY 1, HOUR   0.667)
  96.750    799.4911    401.12  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   0.750)
  96.833    802.2775    404.58  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   0.833)
  96.917    805.0783    406.68  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   0.917)
  97.000    807.8881    407.97  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.000)
  97.083    810.7036    408.81  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.083)
  97.167    813.5235    409.45  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.167)
  97.250    816.3467    409.94  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.250)
  97.333    819.1729    410.36  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.333)
  97.417    822.0015    410.71  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.417)
  97.500    824.8322    411.01  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.500)
  97.583    827.6646    411.26  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.583)
  97.667    830.4986    411.51  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.667)
  97.750    833.3344    411.75  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.750)
  97.833    836.1719    412.01  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.833)
  97.917    839.0112    412.26  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   1.917)
  98.000    841.8521    412.50  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.000)
  98.083    844.6944    412.70  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.083)
  98.167    847.5377    412.85  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.167)
  98.250    850.3820    412.98  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.250)
  98.333    853.2271    413.11  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.333)
  98.417    856.0731    413.24  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.417)
  98.500    858.9201    413.38  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.500)
  98.583    861.7681    413.53  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.583)
  98.667    864.6171    413.69  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.667)
  98.750    867.4673    413.84  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.750)
  98.833    870.3186    414.01  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.833)
  98.917    873.1711    414.18  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   2.917)
  99.000    876.0248    414.37  .  Q      V          .          .          .
 (PEAK DAY 1, HOUR   3.000)
  99.083    878.8799    414.56  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.083)
  99.167    881.7364    414.76  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.167)
  99.250    884.5943    414.97  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.250)
  99.333    887.4538    415.20  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.333)
  99.417    890.3149    415.44  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.417)
  99.500    893.1779    415.70  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.500)
  99.583    896.0428    415.98  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.583)
  99.667    898.9097    416.28  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.667)
  99.750    901.7787    416.59  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.750)
  99.833    904.6501    416.92  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.833)
  99.917    907.5238    417.27  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   3.917)
 100.000    910.4000    417.63  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   4.000)
 100.083    913.2789    418.01  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   4.083)
 100.167    916.1605    418.40  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   4.167)
 100.250    919.0449    418.82  .  Q      .V         .          .          .
 (PEAK DAY 1, HOUR   4.250)
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 100.333    921.9323    419.25  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.333)
 100.417    924.8228    419.70  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.417)
 100.500    927.7164    420.16  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.500)
 100.583    930.6134    420.64  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.583)
 100.667    933.5138    421.14  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.667)
 100.750    936.4177    421.65  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.750)
 100.833    939.3253    422.18  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.833)
 100.917    942.2367    422.73  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   4.917)
 101.000    945.1520    423.30  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   5.000)
 101.083    948.0713    423.89  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   5.083)
 101.167    950.9948    424.49  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   5.167)
 101.250    953.9225    425.11  .  Q      .V       .        .        .
(PEAK DAY 1, HOUR   5.250)
 101.333    956.8547    425.76  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.333)
 101.417    959.7915    426.42  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.417)
 101.500    962.7330    427.10  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.500)
 101.583    965.6793    427.80  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.583)
 101.667    968.6306    428.52  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.667)
 101.750    971.5869    429.27  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.750)
 101.833    974.5486    430.03  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.833)
 101.917    977.5156    430.81  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   5.917)
 102.000    980.4882    431.62  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.000)
 102.083    983.4665    432.45  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.083)
 102.167    986.4506    433.30  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.167)
 102.250    989.4407    434.17  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.250)
 102.333    992.4370    435.06  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.333)
 102.417    995.4396    435.97  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.417)
 102.500    998.4486    436.91  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.500)
 102.583   1001.4643    437.87  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.583)
 102.667   1004.4868    438.86  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.667)
 102.750   1007.5161    439.87  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.750)
 102.833   1010.5526    440.90  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.833)
 102.917   1013.5964    441.96  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   6.917)
 103.000   1016.6476    443.04  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.000)
 103.083   1019.7064    444.14  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.083)
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 103.167   1022.7731    445.28  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.167)
 103.250   1025.8477    446.43  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.250)
 103.333   1028.9304    447.62  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.333)
 103.417   1032.0215    448.83  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.417)
 103.500   1035.1211    450.07  .  Q      . V      .        .        .
(PEAK DAY 1, HOUR   7.500)
 103.583   1038.2295    451.34  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.583)
 103.667   1041.3468    452.63  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.667)
 103.750   1044.4733    453.95  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.750)
 103.833   1047.6090    455.31  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.833)
 103.917   1050.7543    456.69  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   7.917)
 104.000   1053.9093    458.10  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.000)
 104.083   1057.0742    459.55  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.083)
 104.167   1060.2493    461.02  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.167)
 104.250   1063.4347    462.53  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.250)
 104.333   1066.6307    464.07  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.333)
 104.417   1069.8376    465.64  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.417)
 104.500   1073.0557    467.25  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.500)
 104.583   1076.2849    468.89  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.583)
 104.667   1079.5258    470.57  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.667)
 104.750   1082.7784    472.29  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.750)
 104.833   1086.0432    474.04  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.833)
 104.917   1089.3203    475.83  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   8.917)
 105.000   1092.6100    477.66  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   9.000)
 105.083   1095.9125    479.53  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   9.083)
 105.167   1099.2281    481.44  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   9.167)
 105.250   1102.5573    483.39  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   9.250)
 105.333   1105.9001    485.38  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   9.333)
 105.417   1109.2570    487.42  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   9.417)
 105.500   1112.6282    489.50  .  Q      .  V     .        .        .
(PEAK DAY 1, HOUR   9.500)
 105.583   1116.0140    491.63  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   9.583)
 105.667   1119.4149    493.80  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   9.667)
 105.750   1122.8311    496.02  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   9.750)
 105.833   1126.2628    498.29  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   9.833)
 105.917   1129.7103    500.59  .  Q      .   V    .        .        .
(PEAK DAY 1, HOUR   9.917)
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 106.000   1133.1737    502.89  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.000)
 106.083   1136.6530    505.19  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.083)
 106.167   1140.1481    507.50  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.167)
 106.250   1143.6593    509.83  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.250)
 106.333   1147.1870    512.22  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.333)
 106.417   1150.7314    514.65  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.417)
 106.500   1154.2930    517.14  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.500)
 106.583   1157.8721    519.69  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.583)
 106.667   1161.4691    522.30  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.667)
 106.750   1165.0846    524.97  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.750)
 106.833   1168.7190    527.71  .  Q      .   V     .        .        .
(PEAK DAY 1, HOUR  10.833)
 106.917   1172.3727    530.52  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  10.917)
 107.000   1176.0461    533.39  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.000)
 107.083   1179.7400    536.34  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.083)
 107.167   1183.4547    539.37  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.167)
 107.250   1187.1908    542.47  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.250)
 107.333   1190.9487    545.66  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.333)
 107.417   1194.7292    548.93  .   Q     .   V     .        .        .
(PEAK DAY 1, HOUR  11.417)
 107.500   1198.5328    552.29  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.500)
 107.583   1202.3602    555.73  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.583)
 107.667   1206.2120    559.28  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.667)
 107.750   1210.0889    562.92  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.750)
 107.833   1213.9916    566.67  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.833)
 107.917   1217.9208    570.53  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  11.917)
 108.000   1221.8773    574.50  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.000)
 108.083   1225.8698    579.71  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.083)
 108.167   1229.9323    589.88  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.167)
 108.250   1234.1144    607.24  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.250)
 108.333   1238.4558    630.37  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.333)
 108.417   1242.9568    653.55  .   Q     .    V    .        .        .
(PEAK DAY 1, HOUR  12.417)
 108.500   1247.5981    673.93  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.500)
 108.583   1252.3645    692.08  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.583)
 108.667   1257.2400    707.92  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.667)
 108.750   1262.2089    721.47  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.750)
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 108.833   1267.2605    733.49  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.833)
 108.917   1272.3885    744.59  .    Q    .    V    .        .        .
(PEAK DAY 1, HOUR  12.917)
 109.000   1277.5902    755.28  .    Q    .     V   .        .        .
(PEAK DAY 1, HOUR  13.000)
 109.083   1282.8647    765.86  .    Q    .     V   .        .        .
(PEAK DAY 1, HOUR  13.083)
 109.167   1288.2131    776.59  .    Q    .     V   .        .        .
(PEAK DAY 1, HOUR  13.167)
 109.250   1293.6370    787.54  .    Q    .     V   .        .        .
(PEAK DAY 1, HOUR  13.250)
 109.333   1299.1382    798.77  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.333)
 109.417   1304.7185    810.27  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.417)
 109.500   1310.3802    822.08  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.500)
 109.583   1316.1259    834.26  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.583)
 109.667   1321.9585    846.91  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.667)
 109.750   1327.8818    860.06  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.750)
 109.833   1333.8998    873.80  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.833)
 109.917   1340.0166    888.16  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  13.917)
 110.000   1346.2372    903.23  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  14.000)
 110.083   1352.5697    919.48  .     Q   .     V   .        .        .
(PEAK DAY 1, HOUR  14.083)
 110.167   1359.0330    938.47  .      Q  .      V  .        .        .
(PEAK DAY 1, HOUR  14.167)
 110.250   1365.6516    961.03  .      Q  .      V  .        .        .
(PEAK DAY 1, HOUR  14.250)
 110.333   1372.4462    986.58  .      Q  .      V  .        .        .
(PEAK DAY 1, HOUR  14.333)
 110.417   1379.4203   1012.64  .      Q  .      V  .        .        .
(PEAK DAY 1, HOUR  14.417)
 110.500   1386.5701   1038.15  .      Q  .      V  .        .        .
(PEAK DAY 1, HOUR  14.500)
 110.583   1393.8951   1063.60  .       Q .      V  .        .        .
(PEAK DAY 1, HOUR  14.583)
 110.667   1401.3995   1089.64  .       Q .      V  .        .        .
(PEAK DAY 1, HOUR  14.667)
 110.750   1409.0916   1116.88  .       Q .      V  .        .        .
(PEAK DAY 1, HOUR  14.750)
 110.833   1416.9855   1146.19  .       Q .      V  .        .        .
(PEAK DAY 1, HOUR  14.833)
 110.917   1425.0986   1178.03  .       Q .      V  .        .        .
(PEAK DAY 1, HOUR  14.917)
 111.000   1433.4519   1212.89  .        Q.      V  .        .        .
(PEAK DAY 1, HOUR  15.000)
 111.083   1442.0686   1251.15  .        Q.       V .        .        .
(PEAK DAY 1, HOUR  15.083)
 111.167   1450.9772   1293.52  .        Q.       V .        .        .
(PEAK DAY 1, HOUR  15.167)
 111.250   1460.2107   1340.71  .         Q       V .        .        .
(PEAK DAY 1, HOUR  15.250)
 111.333   1469.8101   1393.83  .         Q       V .        .        .
(PEAK DAY 1, HOUR  15.333)
 111.417   1479.8032   1451.00  .         Q       V .        .        .
(PEAK DAY 1, HOUR  15.417)
 111.500   1490.1653   1504.57  .         .Q      V .        .        .
(PEAK DAY 1, HOUR  15.500)
 111.583   1500.8424   1550.31  .         .Q      V .        .        .
(PEAK DAY 1, HOUR  15.583)
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 111.667   1511.8241   1594.54  .         . Q     V .         .         .
(PEAK DAY 1, HOUR  15.667)
 111.750   1523.2224   1655.03  .         . Q      V.         .         .
(PEAK DAY 1, HOUR  15.750)
 111.833   1535.2651   1748.60  .         .  Q     V.         .         .
(PEAK DAY 1, HOUR  15.833)
 111.917   1548.2864   1890.69  .         .   Q    V.         .         .
(PEAK DAY 1, HOUR  15.917)
 112.000   1562.8824   2119.35  .         .    Q   V.         .         .
(PEAK DAY 1, HOUR  16.000)
 112.083   1580.5690   2568.09  .         .        Q.         .         .
(PEAK DAY 1, HOUR  16.083)
 112.167   1604.0853   3414.57  .         .         V    Q    .         .
(PEAK DAY 1, HOUR  16.167)
 112.250   1634.5641   4425.51  .         .         V         .  Q      .
(PEAK DAY 1, HOUR  16.250)
 112.333   1670.0083   5146.50  .         .         V         .       Q .
(PEAK DAY 1, HOUR  16.333)
 112.417   1706.0327   5230.75  .         .         .V        .        Q.
(PEAK DAY 1, HOUR  16.417)
 112.500   1739.7933   4902.04  .         .         .V        .     Q   .
(PEAK DAY 1, HOUR  16.500)
 112.583   1770.6061   4474.01  .         .         . V       .  Q      .
(PEAK DAY 1, HOUR  16.583)
 112.667   1797.4611   3899.34  .         .         . V      Q.         .
(PEAK DAY 1, HOUR  16.667)
 112.750   1819.9971   3272.23  .         .         . V Q     .         .
(PEAK DAY 1, HOUR  16.750)
 112.833   1838.8982   2744.44  .         .         Q  V      .         .
(PEAK DAY 1, HOUR  16.833)
 112.917   1855.0728   2348.55  .         .      Q  .  V      .         .
(PEAK DAY 1, HOUR  16.917)
 113.000   1869.2981   2065.52  .         .    Q     .  V      .         .
(PEAK DAY 1, HOUR  17.000)
 113.083   1882.0952   1858.14  .         .   Q      .  V      .         .
(PEAK DAY 1, HOUR  17.083)
 113.167   1893.8380   1705.06  .         . Q        .  V      .         .
(PEAK DAY 1, HOUR  17.167)
 113.250   1904.7113   1578.81  .         .Q         .  V      .         .
(PEAK DAY 1, HOUR  17.250)
 113.333   1914.8801   1476.51  .         .Q         .   V     .         .
(PEAK DAY 1, HOUR  17.333)
 113.417   1924.4413   1388.28  .         Q          .   V     .         .
(PEAK DAY 1, HOUR  17.417)
 113.500   1933.5006   1315.41  .        Q.          .   V     .         .
(PEAK DAY 1, HOUR  17.500)
 113.583   1942.1592   1257.23  .        Q.          .   V     .         .
(PEAK DAY 1, HOUR  17.583)
 113.667   1950.4983   1210.84  .        Q.          .   V     .         .
(PEAK DAY 1, HOUR  17.667)
 113.750   1958.5782   1173.21  .       Q .          .   V     .         .
(PEAK DAY 1, HOUR  17.750)
 113.833   1966.4386   1141.32  .       Q .          .   V     .         .
(PEAK DAY 1, HOUR  17.833)
 113.917   1974.1063   1113.35  .       Q .          .   V     .         .
(PEAK DAY 1, HOUR  17.917)
 114.000   1981.6003   1088.14  .       Q .          .   V     .         .
(PEAK DAY 1, HOUR  18.000)
 114.083   1988.9241   1063.41  .       Q .          .   V     .         .
(PEAK DAY 1, HOUR  18.083)
 114.167   1996.0579   1035.82  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.167)
 114.250   2002.9701   1003.65  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.250)
 114.333   2009.6365    967.96  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.333)
 114.417   2016.0707    934.25  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.417)
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```
 114.500   2022.3115    906.17  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.500)
 114.583   2028.3894    882.51  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.583)
 114.667   2034.3256    861.93  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.667)
 114.750   2040.1393    844.16  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.750)
 114.833   2045.8517    829.44  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.833)
 114.917   2051.4805    817.28  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  18.917)
 115.000   2057.0354    806.58  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  19.000)
 115.083   2062.5215    796.59  .      Q  .          .    V    .         .
(PEAK DAY 1, HOUR  19.083)
 115.167   2067.9456    787.56  .    Q    .          .    V    .         .
(PEAK DAY 1, HOUR  19.167)
 115.250   2073.3169    779.94  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.250)
 115.333   2078.6416    773.16  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.333)
 115.417   2083.9241    767.02  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.417)
 115.500   2089.1682    761.43  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.500)
 115.583   2094.3765    756.24  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.583)
 115.667   2099.5498    751.16  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.667)
 115.750   2104.6897    746.33  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.750)
 115.833   2109.7981    741.75  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.833)
 115.917   2114.8752    737.19  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  19.917)
 116.000   2119.9202    732.51  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.000)
 116.083   2124.9333    727.91  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.083)
 116.167   2129.9172    723.64  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.167)
 116.250   2134.8740    719.73  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.250)
 116.333   2139.8054    716.05  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.333)
 116.417   2144.7122    712.47  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.417)
 116.500   2149.5930    708.71  .    Q    .          .     V   .         .
(PEAK DAY 1, HOUR  20.500)
 116.583   2154.4475    704.88  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  20.583)
 116.667   2159.2776    701.32  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  20.667)
 116.750   2164.0854    698.11  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  20.750)
 116.833   2168.8726    695.09  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  20.833)
 116.917   2173.6406    692.31  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  20.917)
 117.000   2178.3901    689.62  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  21.000)
 117.083   2183.1213    686.99  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  21.083)
 117.167   2187.8352    684.45  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  21.167)
 117.250   2192.5325    682.04  .    Q    .          .      V  .         .
(PEAK DAY 1, HOUR  21.250)
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 117.333   2197.2139    679.74  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.333)
 117.417   2201.8799    677.50  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.417)
 117.500   2206.5308    675.32  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.500)
 117.583   2211.1672    673.20  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.583)
 117.667   2215.7893    671.14  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.667)
 117.750   2220.3977    669.12  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.750)
 117.833   2224.9924    667.16  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.833)
 117.917   2229.5740    665.24  .    Q    .         .         V  .         .
(PEAK DAY 1, HOUR  21.917)
 118.000   2234.1426    663.36  .    Q    .         .          V .         .
(PEAK DAY 1, HOUR  22.000)
 118.083   2238.6985    661.53  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.083)
 118.167   2243.2422    659.74  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.167)
 118.250   2247.7737    657.99  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.250)
 118.333   2252.2935    656.27  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.333)
 118.417   2256.8015    654.58  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.417)
 118.500   2261.2983    652.94  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.500)
 118.583   2265.7839    651.32  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.583)
 118.667   2270.2588    649.74  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.667)
 118.750   2274.7229    648.19  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.750)
 118.833   2279.1765    646.66  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.833)
 118.917   2283.6199    645.17  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  22.917)
 119.000   2288.0530    643.70  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.000)
 119.083   2292.4761    642.25  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.083)
 119.167   2296.8894    640.83  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.167)
 119.250   2301.2932    639.43  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.250)
 119.333   2305.6875    638.05  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.333)
 119.417   2310.0725    636.70  .   Q     .         .          V .         .
(PEAK DAY 1, HOUR  23.417)
 119.500   2314.4482    635.37  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.500)
 119.583   2318.8149    634.05  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.583)
 119.667   2323.1729    632.76  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.667)
 119.750   2327.5220    631.48  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.750)
 119.833   2331.8623    630.23  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.833)
 119.917   2336.1941    628.99  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  23.917)
 120.000   2340.5176    627.77  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.000)
 120.083   2344.8259    625.56  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.083)
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 120.167   2349.0901    619.16  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.167)
 120.250   2353.2664    606.40  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.250)
 120.333   2357.3179    588.28  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.333)
 120.417   2361.2371    569.05  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.417)
 120.500   2365.0342    551.36  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.500)
 120.583   2368.7219    535.45  .   Q     .         .           V.         .
(PEAK DAY 1, HOUR  24.583)
 120.667   2372.3210    522.60  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  24.667)
 120.750   2375.8569    513.40  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  24.750)
 120.833   2379.3496    507.13  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  24.833)
 120.917   2382.8130    502.87  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  24.917)
 121.000   2386.2556    499.86  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  25.000)
 121.083   2389.6829    497.63  .  Q      .         .           V.         .
(PEAK DAY 1, HOUR  25.083)
 121.167   2393.0977    495.82  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.167)
 121.250   2396.5020    494.31  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.250)
 121.333   2399.8972    492.99  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.333)
 121.417   2403.2844    491.83  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.417)
 121.500   2406.6648    490.82  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.500)
 121.583   2410.0388    489.92  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.583)
 121.667   2413.4072    489.09  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.667)
 121.750   2416.7703    488.31  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.750)
 121.833   2420.1282    487.56  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.833)
 121.917   2423.4810    486.83  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  25.917)
 122.000   2426.8289    486.12  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.000)
 122.083   2430.1721    485.43  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.083)
 122.167   2433.5107    484.77  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.167)
 122.250   2436.8450    484.12  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.250)
 122.333   2440.1748    483.48  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.333)
 122.417   2443.5005    482.88  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.417)
 122.500   2446.8220    482.29  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.500)
 122.583   2450.1396    481.71  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.583)
 122.667   2453.4534    481.15  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.667)
 122.750   2456.7634    480.61  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.750)
 122.833   2460.0698    480.09  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.833)
 122.917   2463.3728    479.58  .  Q      .         .            V         .
(PEAK DAY 1, HOUR  26.917)
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 123.000   2466.6724    479.08  .  Q      .         .         V         .
 (PEAK DAY 1, HOUR  27.000)
 123.083   2469.9685    478.60  .  Q      .         .         V         .
 (PEAK DAY 1, HOUR  27.083)
 123.167   2473.2615    478.13  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.167)
 123.250   2476.5513    477.67  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.250)
 123.333   2479.8379    477.21  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.333)
 123.417   2483.1213    476.76  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.417)
 123.500   2486.4016    476.31  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.500)
 123.583   2489.6790    475.86  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.583)
 123.667   2492.9531    475.41  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.667)
 123.750   2496.2241    474.97  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.750)
 123.833   2499.4922    474.52  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.833)
 123.917   2502.7571    474.08  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  27.917)
 124.000   2506.0190    473.63  .  Q      .         .         .V        .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
================================================================================
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PRELIMINARY DRAFT – FOR INTERNAL USE ONLY

HYDROLOGY ANALYSIS FOR CANADA GOBERNADORA PROPOSED CONDITION 100-YEAR EXPECTED VALUE STORM EVENT (BASIN-MULTI-DAY)

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**************************************************************************

             F L O O D    R O U T I N G    A N A L Y S I S
             USING COUNTY HYDROLOGY MANUAL OF ORANGE(1986)
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              Ver. 8.0  Release Date: 01/01/2003  License ID 1202

                          Analysis prepared by:

                           Huitt - Zollars, Inc.
                          430 Exchange, Suite 200
                           Irvine, CA. 92602-1309
                              714 - 734 - 5100

--------------------------------------------------------------------------
  FILE NAME: CP63CEO8.FLD
  TIME/DATE OF STUDY: 14:17 04/01/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    780.00 IS CODE =   1
--------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
==========================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

        WATERSHED AREA =    4741.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.520 HOURS
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  1.000
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.45|    0.20|    0.09|    0.04|    0.03|
        |30-MINUTE (INCHES) |    0.97|    0.42|    0.19|    0.09|    0.07|
        |   1-HOUR (INCHES) |    1.28|    0.56|    0.25|    0.12|    0.10|
        |   3-HOUR (INCHES) |    2.16|    0.94|    0.42|    0.20|    0.16|
        |   6-HOUR (INCHES) |    3.02|    1.32|    0.58|    0.28|    0.23|
        |  24-HOUR (INCHES) |    5.01|    2.19|    0.97|    0.47|    0.38|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.190|   0.190|   0.190|   0.190|   0.190|
        | LOW LOSS FRACTION |   0.610|   0.810|   0.930|   0.990|   0.990|
        +------------------+--------+--------+--------+--------+--------+

        PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
          5-MINUTE FACTOR = 0.793
         30-MINUTE FACTOR = 0.793
          1-HOUR FACTOR = 0.793
          3-HOUR FACTOR = 0.969
          6-HOUR FACTOR = 0.984
         24-HOUR FACTOR = 0.990

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  16.026


        RUNOFF HYDROGRAPH LISTING LIMITS:
          MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
          MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


==========================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------
     INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
      NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------
          1                1.043               598.328
          2                3.671              1506.497
          3                7.588              2246.119
          4               12.584              2864.778
          5               20.278              4411.764
          6               33.729              7712.629
          7               52.531             10781.282
          8               61.624              5213.888
          9               67.455              3343.624
         10               72.172              2704.769
         11               76.244              2334.520
         12               79.328              1768.307
         13               82.255              1678.753
         14               84.650              1373.153
         15               86.832              1251.016
         16               88.638              1035.667
         17               90.211               902.195
         18               91.667               834.439
         19               92.924               720.986
         20               94.054               648.204
         21               94.947               511.963
         22               95.799               488.554
         23               96.406               347.671
         24               96.923               296.373
         25               97.440               296.517
         26               97.919               274.779
         27               98.076                90.079
         28               98.159                47.452
         29               98.242                47.518
         30               98.325                47.592
         31               98.407                47.518
         32               98.490                47.522
         33               98.573                47.518
         34               98.656                47.522
         35               98.739                47.522
         36               98.822                47.658
         37               98.905                47.382
         38               98.988                47.518
         39               99.070                47.522
         40               99.153                47.518
         41               99.236                47.518
         42               99.319                47.518
         43               99.402                47.518
         44               99.485                47.518
         45               99.568                47.518
         46               99.651                47.518
         47               99.733                47.518
         48               99.816                47.518
         49               99.899                47.518
         50               99.982                47.518
         51              100.000                10.294


--------------------------------------------------------------------------
    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =    2178.4390
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =    1350.7266
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	1500.0	3000.0	4500.0	6000.0
96.000	301.6200	32.46	Q	V .	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	301.8500	33.40	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	302.0987	36.12	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	302.3764	40.31	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	302.6914	45.75	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	303.0650	54.25	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	303.5421	69.27	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	304.1645	90.38	Q	V.	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	304.8582	100.72	Q	V.	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	305.5984	107.48	Q	V.	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	306.3767	113.01	Q	V.	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	307.1886	117.88	Q	V.	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	308.0264	121.65	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	308.8892	125.29	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	309.7730	128.33	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	310.6765	131.18	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	311.5966	133.60	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	312.5318	135.80	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	313.4813	137.86	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	314.4436	139.73	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	315.4178	141.46	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	316.4023	142.95	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	317.3966	144.38	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	318.3992	145.57	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	319.4091	146.65	Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	320.4267	147.75	Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	321.4515	148.81	Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	322.4813	149.52	Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	323.5154	150.15	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	324.5539	150.79	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	325.5967	151.43	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	326.6442	152.09	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	327.6960	152.73	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	328.7525	153.40	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	329.8135	154.06	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	330.8793	154.74	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	331.9496	155.41	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	333.0247	156.11	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	334.1046	156.79	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	335.1894	157.50	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	336.2789	158.20	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	337.3734	158.93	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	338.4728	159.64	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	339.5773	160.37	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	340.6868	161.10	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	341.8015	161.85	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	342.9213	162.59	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	344.0464	163.36	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	345.1766	164.11	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	346.3123	164.90	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	347.4532	165.67	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	348.5992	166.39	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	349.7499	167.09	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	350.9056	167.81	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	352.0662	168.52	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	353.2319	169.26	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	354.4025	169.98	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	355.5784	170.74	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	356.7594	171.48	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	357.9456	172.25	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	359.1371	173.01	.Q	V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	360.3341	173.80	.Q	V	.	.	.

(PEAK DAY 1, HOUR 5.083)
101.167 361.5364 174.57 .Q V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 362.7443 175.38 .Q V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 363.9576 176.18 .Q V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 365.1767 177.01 .Q V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 366.4013 177.82 .Q V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 367.6318 178.67 .Q V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 368.8681 179.50 .Q V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 370.1103 180.37 .Q V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 371.3584 181.23 .Q V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 372.6127 182.12 .Q .V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 373.8730 183.00 .Q .V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 375.1396 183.91 .Q .V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 376.4124 184.81 .Q .V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 377.6917 185.75 .Q .V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 378.9773 186.67 .Q .V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 380.2695 187.63 .Q .V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 381.5682 188.58 .Q .V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 382.8738 189.57 .Q .V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 384.1861 190.54 .Q .V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 385.5054 191.56 .Q .V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 386.8315 192.56 .Q .V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 388.1649 193.60 .Q .V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 389.5053 194.63 .Q .V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 390.8531 195.71 .Q .V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 392.2082 196.76 .Q .V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 393.5710 197.87 .Q .V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 394.9412 198.95 .Q .V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 396.3192 200.09 .Q .V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 397.7050 201.21 .Q .V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 399.0988 202.38 .Q .V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 400.5005 203.53 .Q .V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 401.9106 204.74 .Q .V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 403.3288 205.93 .Q .V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 404.7556 207.17 .Q .V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 406.1909 208.40 .Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 407.6349 209.68 .Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 409.0877 210.95 .Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 410.5497 212.27 .Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 412.0206 213.58 .Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 413.5009 214.95 .Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 414.9906 216.29 .Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 416.4900 217.71 .Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 417.9989 219.10 .Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 419.5180 220.57 .Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 421.0469 222.01 .Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 422.5864 223.52 .Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 424.1360 225.02 .Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 425.6966 226.59 .Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 427.2677 228.13 .Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 428.8501 229.76 .Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 430.4435 231.36 .Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 432.0485 233.05 .Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 433.6649 234.71 .Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 435.2935 236.47 .Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 436.9340 238.19 .Q . V . . .
(PEAK DAY 1, HOUR 9.667)
105.750 438.5870 240.02 .Q . V . . .
(PEAK DAY 1, HOUR 9.750)
105.833 440.2523 241.81 .Q . V . . .
(PEAK DAY 1, HOUR 9.833)
105.917 441.9308 243.71 .Q . V . . .
(PEAK DAY 1, HOUR 9.917)
106.000 443.6221 245.58 .Q . V . . .
(PEAK DAY 1, HOUR 10.000)
106.083 445.3270 247.55 .Q . V . . .
(PEAK DAY 1, HOUR 10.083)
106.167 447.0453 249.50 .Q . V . . .
(PEAK DAY 1, HOUR 10.167)
106.250 448.7778 251.56 .Q . V . . .
(PEAK DAY 1, HOUR 10.250)
106.333 450.5243 253.59 .Q . V . . .
(PEAK DAY 1, HOUR 10.333)
106.417 452.2855 255.73 .Q . V . . .
(PEAK DAY 1, HOUR 10.417)
106.500 454.0613 257.85 .Q . V . . .
(PEAK DAY 1, HOUR 10.500)
106.583 455.8526 260.09 .Q . V . . .
(PEAK DAY 1, HOUR 10.583)
106.667 457.6592 262.31 .Q . V . . .

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 (PEAK DAY 1, HOUR  10.667)
106.750    459.4819    264.66  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    461.3206    266.98  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    463.1761    269.43  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    465.0485    271.86  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    466.9386    274.44  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    468.8462    276.99  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    470.7725    279.69  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    472.7172    282.37  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    474.6815    285.22  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    476.6653    288.04  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    478.6697    291.04  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    480.6945    294.01  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    482.7412    297.18  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    484.8095    300.32  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    486.9009    303.66  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    489.0151    306.99  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    491.1629    311.85  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    493.3578    318.70  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    495.6128    327.43  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    497.9373    337.51  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    500.3565    351.28  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    502.9208    372.33  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    505.6788    400.46  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    508.5465    416.38  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    511.4977    428.52  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    514.5228    439.25  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    517.6188    449.53  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    520.7769    458.57  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    523.9986    467.78  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    527.2792    476.34  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    530.6198    485.05  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    534.0172    493.30  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    537.4725    501.71  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    540.9849    510.01  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    544.5577    518.76  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    548.1929    527.83  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    551.8967    537.80  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    555.6750    548.61  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    559.5393    561.10  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    563.5055    575.89  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    567.6367    599.85  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    571.9971    633.13  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    576.6469    675.16  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    581.6292    723.42  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    587.0558    787.96  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    593.1316    882.20  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    600.0605   1006.08  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    607.5073   1081.27  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    615.3788   1142.94  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    623.6427   1199.92  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    632.3015   1257.25  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000    641.3297   1310.90  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083    650.7525   1368.19  .        Q.       V.         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167    660.5641   1424.65  .        Q.       V.         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250    670.7954   1485.58  .        Q.       V.         .         .
 (PEAK DAY 1, HOUR  15.250)
111.333    681.4521   1547.35  .         Q       V          .         .
 (PEAK DAY 1, HOUR  15.333)
111.417    692.4865   1602.19  .         Q       V          .         .
 (PEAK DAY 1, HOUR  15.417)
111.500    703.7880   1640.98  .         Q       V          .         .
 (PEAK DAY 1, HOUR  15.500)
111.583    715.3125   1673.36  .         .Q      .V         .         .
 (PEAK DAY 1, HOUR  15.583)
111.667    727.0179   1699.63  .         .Q      .V         .         .
 (PEAK DAY 1, HOUR  15.667)
111.750    738.8018   1711.01  .         .Q      .V         .         .
 (PEAK DAY 1, HOUR  15.750)
111.833    750.3088   1670.82  .         .Q      . V        .         .
 (PEAK DAY 1, HOUR  15.833)
111.917    761.3641   1605.23  .         Q       . V        .         .
 (PEAK DAY 1, HOUR  15.917)
112.000    773.2166   1720.98  .         .Q      . V        .         .
 (PEAK DAY 1, HOUR  16.000)
112.083    787.6506   2095.83  .         . Q     .  V       .         .
 (PEAK DAY 1, HOUR  16.083)
112.167    805.5228   2595.04  .         .     Q .  V       .         .
 (PEAK DAY 1, HOUR  16.167)
112.250    826.8217   3092.60  .         .       Q  V       .         .
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(PEAK DAY 1, HOUR  16.250)
112.333    851.4862   3581.29  .         .         .  Q V    .         .
(PEAK DAY 1, HOUR  16.333)
112.417    881.4889   4356.39  .         .         .     V  Q.         .
(PEAK DAY 1, HOUR  16.417)
112.500    918.5853   5386.39  .         .         .      V  .    Q    .
(PEAK DAY 1, HOUR  16.500)
112.583    959.3612   5920.67  .         .         .       V .         Q.
(PEAK DAY 1, HOUR  16.583)
112.667    987.6366   4105.58  .         .         .      Q V.         .
(PEAK DAY 1, HOUR  16.667)
112.750   1010.3043   3291.35  .         .         .Q       V.         .
(PEAK DAY 1, HOUR  16.750)
112.833   1030.8092   2977.31  .         .        Q.         V         .
(PEAK DAY 1, HOUR  16.833)
112.917   1050.5244   2862.65  .         .        Q.         .V        .
(PEAK DAY 1, HOUR  16.917)
113.000   1068.5797   2621.62  .         .      Q  .         .V        .
(PEAK DAY 1, HOUR  17.000)
113.083   1085.6752   2482.26  .         .     Q   .         . V       .
(PEAK DAY 1, HOUR  17.083)
113.167   1101.4352   2288.35  .         .    Q    .         . V       .
(PEAK DAY 1, HOUR  17.167)
113.250   1116.1786   2140.74  .         .   Q     .         .  V      .
(PEAK DAY 1, HOUR  17.250)
113.333   1129.7296   1967.61  .         .  Q      .         .  V      .
(PEAK DAY 1, HOUR  17.333)
113.417   1142.2047   1811.39  .         . Q       .         .  V      .
(PEAK DAY 1, HOUR  17.417)
113.500   1153.5441   1646.47  .         Q         .         .   V     .
(PEAK DAY 1, HOUR  17.500)
113.583   1163.5334   1450.46  .        Q.         .         .   V     .
(PEAK DAY 1, HOUR  17.583)
113.667   1172.5961   1315.90  .       Q .         .         .   V     .
(PEAK DAY 1, HOUR  17.667)
113.750   1180.7742   1187.47  .      Q  .         .         .   V     .
(PEAK DAY 1, HOUR  17.750)
113.833   1188.3428   1098.97  .      Q  .         .         .    V    .
(PEAK DAY 1, HOUR  17.833)
113.917   1195.1809    992.90  .     Q   .         .         .    V    .
(PEAK DAY 1, HOUR  17.917)
114.000   1201.5406    923.43  .     Q   .         .         .    V    .
(PEAK DAY 1, HOUR  18.000)
114.083   1207.5148    867.45  .    Q    .         .         .    V    .
(PEAK DAY 1, HOUR  18.083)
114.167   1213.0623    805.49  .    Q    .         .         .    V    .
(PEAK DAY 1, HOUR  18.167)
114.250   1217.9187    705.16  .   Q     .         .         .     V   .
(PEAK DAY 1, HOUR  18.250)
114.333   1222.3934    649.72  .   Q     .         .         .     V   .
(PEAK DAY 1, HOUR  18.333)
114.417   1226.6042    611.41  .   Q     .         .         .     V   .
(PEAK DAY 1, HOUR  18.417)
114.500   1230.5360    570.89  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.500)
114.583   1234.1427    523.70  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.583)
114.667   1237.5232    490.85  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.667)
114.750   1240.7266    465.13  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.750)
114.833   1243.7743    442.53  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.833)
114.917   1246.6890    423.21  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.917)
115.000   1249.4896    406.65  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.000)
115.083   1252.1827    391.04  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.083)
115.167   1254.7800    377.13  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.167)
115.250   1257.2983    365.66  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.250)
115.333   1259.7471    355.55  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.333)
115.417   1262.1309    346.13  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.417)
115.500   1264.4535    337.25  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.500)
115.583   1266.7238    329.64  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.583)
115.667   1268.9454    322.58  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.667)
115.750   1271.1208    315.86  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.750)
115.833   1273.2506    309.24  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.833)
115.917   1275.3348    302.63  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.917)
116.000   1277.3728    295.92  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  20.000)
116.083   1279.3585    288.33  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  20.083)
116.167   1281.2833    279.48  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  20.167)
116.250   1283.0889    262.17  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  20.250)
116.333   1284.8326    253.19  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.333)
116.417   1286.5421    248.21  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.417)
116.500   1288.2225    243.99  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.500)
116.583   1289.8712    239.39  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.583)
116.667   1291.4889    234.89  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.667)
116.750   1293.0773    230.63  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.750)
116.833   1294.6378    226.60  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.833)
116.917   1296.1719    222.75  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.917)
117.000   1297.6807    219.07  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.000)
117.083   1299.1652    215.55  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.083)
117.167   1300.6263    212.16  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.167)
117.250   1302.0674    209.23  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.250)
117.333   1303.4897    206.52  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.333)
117.417   1304.8942    203.92  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.417)
117.500   1306.2814    201.43  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.500)
117.583   1307.6521    199.02  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.583)
117.667   1309.0067    196.69  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.667)
117.750   1310.3457    194.42  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.750)
117.833   1311.6696    192.22  .Q        .         .         .       V .
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(PEAK DAY 1, HOUR 21.833)								
117.917	1312.9786	190.08	.Q	.	.	.	V	.
(PEAK DAY 1, HOUR 21.917)								
118.000	1314.2734	188.00	.Q	.	.	.	V	.
(PEAK DAY 1, HOUR 22.000)								
118.083	1315.5542	185.97	.Q	.	.	.	V	.
(PEAK DAY 1, HOUR 22.083)								
118.167	1316.8214	184.00	.Q	.	.	.	V	.
(PEAK DAY 1, HOUR 22.167)								
118.250	1318.0759	182.15	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.250)								
118.333	1319.3182	180.38	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.333)								
118.417	1320.5486	178.65	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.417)								
118.500	1321.7673	176.97	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.500)								
118.583	1322.9749	175.33	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.583)								
118.667	1324.1713	173.72	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.667)								
118.750	1325.3569	172.16	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.750)								
118.833	1326.5321	170.63	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.833)								
118.917	1327.6970	169.14	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.917)								
119.000	1328.8518	167.68	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.000)								
119.083	1329.9968	166.25	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.083)								
119.167	1331.1322	164.86	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.167)								
119.250	1332.2582	163.49	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.250)								
119.333	1333.3750	162.16	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.333)								
119.417	1334.4828	160.85	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.417)								
119.500	1335.5818	159.57	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.500)								
119.583	1336.6721	158.32	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.583)								
119.667	1337.7540	157.09	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.667)								
119.750	1338.8276	155.89	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.750)								
119.833	1339.8932	154.71	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.833)								
119.917	1340.9507	153.56	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.917)								
120.000	1342.0004	152.42	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.000)								
120.083	1343.0322	149.83	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.083)								
120.167	1344.0309	145.01	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.167)								
120.250	1344.9840	138.40	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.250)								
120.333	1345.8815	130.31	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.333)								
120.417	1346.6971	118.44	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.417)								
120.500	1347.3754	98.47	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.500)								
120.583	1347.8645	71.03	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.583)								
120.667	1348.2611	57.59	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.667)								
120.750	1348.5978	48.88	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.750)								
120.833	1348.8857	41.82	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.833)								
120.917	1349.1318	35.73	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.917)								
121.000	1349.3459	31.08	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.000)								
121.083	1349.5298	26.69	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.083)								
121.167	1349.6888	23.09	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.167)								
121.250	1349.8254	19.83	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.250)								
121.333	1349.9432	17.11	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.333)								
121.417	1350.0448	14.75	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.417)								
121.500	1350.1313	12.57	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.500)								
121.583	1350.2050	10.70	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.583)								
121.667	1350.2670	9.01	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.667)								
121.750	1350.3198	7.67	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.750)								
121.833	1350.3639	6.41	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.833)								
121.917	1350.4017	5.50	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.917)								
122.000	1350.4342	4.72	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.000)								
122.083	1350.4614	3.95	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.083)								
122.167	1350.4838	3.24	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.167)								
122.250	1350.5044	2.99	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.250)								
122.333	1350.5240	2.85	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.333)								
122.417	1350.5427	2.71	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.417)								
122.500	1350.5604	2.57	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.500)								
122.583	1350.5771	2.44	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.583)								
122.667	1350.5930	2.30	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.667)								
122.750	1350.6079	2.17	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.750)								
122.833	1350.6219	2.03	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.833)								
122.917	1350.6350	1.90	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.917)								
123.000	1350.6472	1.77	Q	.	.	.		V.
(PEAK DAY 1, HOUR 27.000)								
123.083	1350.6584	1.64	Q	.	.	.		V.
(PEAK DAY 1, HOUR 27.083)								
123.167	1350.6688	1.51	Q	.	.	.		V.
(PEAK DAY 1, HOUR 27.167)								
123.250	1350.6783	1.38	Q	.	.	.		V.
(PEAK DAY 1, HOUR 27.250)								
123.333	1350.6870	1.25	Q	.	.	.		V.
(PEAK DAY 1, HOUR 27.333)								
123.417	1350.6947	1.13	Q	.	.	.		V.

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(PEAK DAY 1, HOUR  27.417)
123.500   1350.7015      1.00  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.500)
123.583   1350.7075      0.88  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.583)
123.667   1350.7126      0.75  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.667)
123.750   1350.7169      0.63  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.750)
123.833   1350.7205      0.51  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.833)
123.917   1350.7231      0.38  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.917)
124.000   1350.7250      0.26  Q         .         .         .        V.
(PEAK DAY 1, HOUR  28.000)


**************************************************************************
 FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE = 3.1
--------------------------------------------------------------------------
 >>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
==========================================================================
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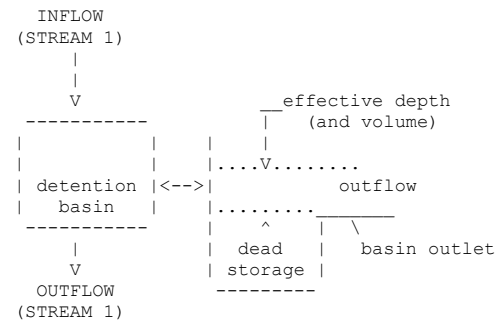


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       ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
       THROUGH A FLOW-THROUGH DETENTION BASIN
       SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
         DEAD STORAGE(AF) =      0.000
         SPECIFIED DEAD STORAGE(AF) FILLED =      0.000
         SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET =      0.000
         DETENTION BASIN CONSTANT LOSS RATE(CFS) =    0.00


       BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:
```

INTERVAL NUMBER	DEPTH (FT)	OUTFLOW (CFS)	STORAGE (AF)
1	0.00	0.00	0.000
2	4.00	280.30	0.500
3	5.00	318.80	1.600
4	6.00	352.80	3.900
5	7.00	384.60	8.000
6	9.00	442.50	22.400
7	11.00	494.10	42.300
8	13.00	541.30	63.700
9	15.00	585.20	102.200
10	17.00	625.80	147.100
11	19.00	664.60	193.400
12	21.00	701.20	241.000
13	23.00	737.10	290.200
14	25.00	755.70	340.700
15	27.00	776.60	393.000
16	29.00	800.00	446.700
17	31.00	824.90	501.900

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==========================================================================
 MODIFIED-PULS BASIN ROUTING MODEL RESULTS(5-MINUTE COMPUTATION INTERVALS):
 (Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time;
        MEAN OUTFLOW is the average value during the unit interval.)
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
1	0.001	96.001	0.000	32.46	0.00	0.46	32.5	0.058
1	0.084	96.084	0.000	33.40	0.00	0.48	33.1	0.060
1	0.167	96.167	0.000	36.12	0.00	0.53	35.3	0.066
1	0.251	96.251	0.000	40.31	0.00	0.59	39.1	0.074
1	0.334	96.334	0.000	45.75	0.00	0.67	44.3	0.084
1	0.417	96.417	0.000	54.25	0.00	0.81	51.8	0.101
1	0.501	96.501	0.000	69.27	0.00	1.05	64.9	0.131
1	0.584	96.584	0.000	90.38	0.00	1.37	84.6	0.171
1	0.667	96.667	0.000	100.72	0.00	1.46	99.0	0.182
1	0.751	96.751	0.000	107.48	0.00	1.56	105.7	0.195
1	0.834	96.834	0.000	113.01	0.00	1.63	111.7	0.204
1	0.917	96.917	0.000	117.88	0.00	1.70	116.6	0.212
1	1.001	97.001	0.000	121.65	0.00	1.75	120.8	0.218
1	1.084	97.084	0.000	125.29	0.00	1.80	124.3	0.225
1	1.167	97.167	0.000	128.33	0.00	1.84	127.6	0.230
1	1.251	97.251	0.000	131.18	0.00	1.88	130.4	0.235
1	1.334	97.334	0.000	133.60	0.00	1.91	133.0	0.239
1	1.417	97.417	0.000	135.80	0.00	1.95	135.2	0.243
1	1.501	97.501	0.000	137.86	0.00	1.97	137.3	0.247
1	1.584	97.584	0.000	139.73	0.00	2.00	139.3	0.250
1	1.667	97.667	0.000	141.46	0.00	2.02	141.0	0.253
1	1.751	97.751	0.000	142.95	0.00	2.04	142.6	0.256
1	1.834	97.834	0.000	144.38	0.00	2.07	144.0	0.258
1	1.917	97.917	0.000	145.57	0.00	2.08	145.3	0.260
1	2.001	98.001	0.000	146.65	0.00	2.10	146.4	0.262
1	2.084	98.084	0.000	147.75	0.00	2.11	147.5	0.264
1	2.167	98.167	0.000	148.81	0.00	2.13	148.5	0.266
1	2.251	98.251	0.000	149.52	0.00	2.14	149.4	0.267
1	2.334	98.334	0.000	150.15	0.00	2.14	150.0	0.268
1	2.417	98.417	0.000	150.79	0.00	2.15	150.6	0.269
1	2.501	98.501	0.000	151.43	0.00	2.16	151.3	0.270
1	2.584	98.584	0.000	152.09	0.00	2.17	151.9	0.272
1	2.667	98.667	0.000	152.73	0.00	2.18	152.6	0.273
1	2.751	98.751	0.000	153.40	0.00	2.19	153.2	0.274
1	2.834	98.834	0.000	154.06	0.00	2.20	153.9	0.275
1	2.917	98.917	0.000	154.74	0.00	2.21	154.6	0.276
1	3.001	99.001	0.000	155.41	0.00	2.22	155.2	0.278
1	3.084	99.084	0.000	156.11	0.00	2.23	155.9	0.279
1	3.167	99.167	0.000	156.79	0.00	2.24	156.6	0.280
1	3.251	99.251	0.000	157.50	0.00	2.25	157.3	0.281
1	3.334	99.334	0.000	158.20	0.00	2.26	158.0	0.282
1	3.417	99.417	0.000	158.93	0.00	2.27	158.7	0.284
1	3.501	99.501	0.000	159.64	0.00	2.28	159.5	0.285
1	3.584	99.584	0.000	160.37	0.00	2.29	160.2	0.286
1	3.667	99.667	0.000	161.10	0.00	2.30	160.9	0.288
1	3.751	99.751	0.000	161.85	0.00	2.31	161.7	0.289
1	3.834	99.834	0.000	162.59	0.00	2.32	162.4	0.290
1	3.917	99.917	0.000	163.36	0.00	2.33	163.2	0.292
1	4.001	100.001	0.000	164.11	0.00	2.34	163.9	0.293
1	4.084	100.084	0.000	164.90	0.00	2.36	164.7	0.294
1	4.167	100.167	0.000	165.67	0.00	2.37	165.5	0.296
1	4.251	100.251	0.000	166.39	0.00	2.38	166.2	0.297

1	4.334	100.334	0.000	167.09	0.00	2.39	166.9	0.298
1	4.417	100.417	0.000	167.81	0.00	2.40	167.6	0.300
1	4.501	100.501	0.000	168.52	0.00	2.41	168.3	0.301
1	4.584	100.584	0.000	169.26	0.00	2.42	169.1	0.302
1	4.667	100.667	0.000	169.98	0.00	2.43	169.8	0.304
1	4.751	100.751	0.000	170.74	0.00	2.44	170.5	0.305
1	4.834	100.834	0.000	171.48	0.00	2.45	171.3	0.306
1	4.917	100.917	0.000	172.25	0.00	2.46	172.0	0.308
1	5.001	101.001	0.000	173.01	0.00	2.47	172.8	0.309
1	5.084	101.084	0.000	173.80	0.00	2.48	173.6	0.310
1	5.167	101.167	0.000	174.57	0.00	2.49	174.4	0.312
1	5.251	101.251	0.000	175.38	0.00	2.51	175.2	0.313
1	5.334	101.334	0.000	176.18	0.00	2.52	176.0	0.315
1	5.417	101.417	0.000	177.01	0.00	2.53	176.8	0.316
1	5.501	101.501	0.000	177.82	0.00	2.54	177.6	0.318
1	5.584	101.584	0.000	178.67	0.00	2.55	178.4	0.319
1	5.667	101.667	0.000	179.50	0.00	2.56	179.3	0.321
1	5.751	101.751	0.000	180.37	0.00	2.58	180.1	0.322
1	5.834	101.834	0.000	181.23	0.00	2.59	181.0	0.324
1	5.917	101.917	0.000	182.12	0.00	2.60	181.9	0.325
1	6.001	102.001	0.000	183.00	0.00	2.61	182.8	0.327
1	6.084	102.084	0.000	183.91	0.00	2.63	183.7	0.328
1	6.167	102.167	0.000	184.81	0.00	2.64	184.6	0.330
1	6.251	102.251	0.000	185.75	0.00	2.65	185.5	0.332
1	6.334	102.334	0.000	186.67	0.00	2.67	186.4	0.333
1	6.417	102.417	0.000	187.63	0.00	2.68	187.4	0.335
1	6.501	102.501	0.000	188.58	0.00	2.69	188.3	0.337
1	6.584	102.584	0.000	189.57	0.00	2.71	189.3	0.339
1	6.667	102.667	0.000	190.54	0.00	2.72	190.3	0.340
1	6.751	102.751	0.000	191.56	0.00	2.74	191.3	0.342
1	6.834	102.834	0.000	192.56	0.00	2.75	192.3	0.344
1	6.917	102.917	0.000	193.60	0.00	2.77	193.3	0.346
1	7.001	103.001	0.000	194.63	0.00	2.78	194.4	0.348
1	7.084	103.084	0.000	195.71	0.00	2.80	195.4	0.350
1	7.167	103.167	0.000	196.76	0.00	2.81	196.5	0.351
1	7.251	103.251	0.000	197.87	0.00	2.83	197.6	0.353
1	7.334	103.334	0.000	198.95	0.00	2.84	198.7	0.355
1	7.417	103.417	0.000	200.09	0.00	2.86	199.8	0.357
1	7.501	103.501	0.000	201.21	0.00	2.88	200.9	0.359
1	7.584	103.584	0.000	202.38	0.00	2.89	202.1	0.362
1	7.667	103.667	0.000	203.53	0.00	2.91	203.2	0.364
1	7.751	103.751	0.000	204.74	0.00	2.93	204.4	0.366
1	7.834	103.834	0.000	205.93	0.00	2.94	205.6	0.368
1	7.917	103.917	0.000	207.17	0.00	2.96	206.8	0.370
1	8.001	104.001	0.000	208.40	0.00	2.98	208.1	0.372
1	8.084	104.084	0.000	209.68	0.00	3.00	209.3	0.375
1	8.167	104.167	0.000	210.95	0.00	3.01	210.6	0.377
1	8.251	104.251	0.000	212.27	0.00	3.03	211.9	0.379
1	8.334	104.334	0.000	213.58	0.00	3.05	213.2	0.382
1	8.418	104.418	0.000	214.95	0.00	3.07	214.6	0.384
1	8.501	104.501	0.000	216.29	0.00	3.09	215.9	0.386
1	8.584	104.584	0.000	217.71	0.00	3.11	217.3	0.389
1	8.668	104.668	0.000	219.10	0.00	3.13	218.7	0.391
1	8.751	104.751	0.000	220.57	0.00	3.15	220.2	0.394
1	8.834	104.834	0.000	222.01	0.00	3.17	221.6	0.397
1	8.918	104.918	0.000	223.52	0.00	3.20	223.1	0.399
1	9.001	105.001	0.000	225.02	0.00	3.22	224.6	0.402
1	9.084	105.084	0.000	226.59	0.00	3.24	226.2	0.405
1	9.168	105.168	0.000	228.13	0.00	3.26	227.7	0.408
1	9.251	105.251	0.000	229.76	0.00	3.28	229.3	0.411
1	9.334	105.334	0.000	231.36	0.00	3.31	231.0	0.413
1	9.418	105.418	0.000	233.05	0.00	3.33	232.6	0.416
1	9.501	105.501	0.000	234.71	0.00	3.36	234.3	0.419
1	9.584	105.584	0.000	236.47	0.00	3.38	236.0	0.423
1	9.668	105.668	0.000	238.19	0.00	3.41	237.8	0.426
1	9.751	105.751	0.000	240.02	0.00	3.43	239.5	0.429
1	9.834	105.834	0.000	241.81	0.00	3.46	241.4	0.432
1	9.918	105.918	0.000	243.71	0.00	3.48	243.2	0.436
1	10.001	106.001	0.000	245.58	0.00	3.51	245.1	0.439
1	10.084	106.084	0.000	247.55	0.00	3.54	247.0	0.442
1	10.168	106.168	0.000	249.50	0.00	3.57	249.0	0.446
1	10.251	106.251	0.000	251.56	0.00	3.60	251.0	0.450
1	10.334	106.334	0.000	253.59	0.00	3.63	253.1	0.453
1	10.418	106.418	0.000	255.73	0.00	3.66	255.2	0.457
1	10.501	106.501	0.000	257.85	0.00	3.69	257.3	0.461
1	10.584	106.584	0.000	260.09	0.00	3.72	259.5	0.465
1	10.668	106.668	0.000	262.31	0.00	3.75	261.7	0.469
1	10.751	106.751	0.000	264.66	0.00	3.78	264.0	0.473
1	10.834	106.834	0.000	266.98	0.00	3.82	266.4	0.477
1	10.918	106.918	0.000	269.43	0.00	3.85	268.8	0.482
1	11.001	107.001	0.000	271.86	0.00	3.89	271.2	0.486
1	11.084	107.084	0.000	274.44	0.00	3.93	273.8	0.491
1	11.168	107.168	0.000	276.99	0.00	3.96	276.3	0.495
1	11.251	107.251	0.000	279.69	0.00	4.00	279.0	0.500
1	11.334	107.334	0.000	282.37	0.00	4.01	280.5	0.513
1	11.418	107.418	0.000	285.22	0.00	4.04	281.2	0.540
1	11.501	107.501	0.000	288.04	0.00	4.07	282.4	0.579
1	11.584	107.584	0.000	291.04	0.00	4.12	283.9	0.628
1	11.668	107.668	0.000	294.01	0.00	4.17	285.8	0.685
1	11.751	107.751	0.000	297.18	0.00	4.23	287.9	0.749
1	11.834	107.834	0.000	300.32	0.00	4.29	290.2	0.818
1	11.918	107.918	0.000	303.66	0.00	4.36	292.8	0.893
1	12.001	108.001	0.000	306.99	0.00	4.43	295.5	0.973
1	12.084	108.084	0.000	311.85	0.00	4.51	298.5	1.065
1	12.168	108.168	0.000	318.70	0.00	4.62	302.1	1.180
1	12.251	108.251	0.000	327.43	0.00	4.75	306.6	1.323
1	12.334	108.334	0.000	337.51	0.00	4.91	312.2	1.498
1	12.418	108.418	0.000	351.28	0.00	5.06	317.9	1.727
1	12.501	108.501	0.000	372.33	0.00	5.20	323.2	2.066
1	12.584	108.584	0.000	400.46	0.00	5.42	329.3	2.556
1	12.668	108.668	0.000	416.38	0.00	5.65	337.0	3.103
1	12.751	108.751	0.000	428.52	0.00	5.90	345.3	3.676
1	12.834	108.834	0.000	439.25	0.00	6.09	352.6	4.273
1	12.918	108.918	0.000	449.53	0.00	6.24	358.1	4.902
1	13.001	109.001	0.000	458.57	0.00	6.40	363.1	5.560
1	13.084	109.084	0.000	467.78	0.00	6.57	368.3	6.245
1	13.168	109.168	0.000	476.34	0.00	6.74	373.7	6.951
1	13.251	109.251	0.000	485.05	0.00	6.92	379.3	7.680
1	13.334	109.334	0.000	493.30	0.00	7.06	384.2	8.431
1	13.418	109.418	0.000	501.71	0.00	7.17	387.9	9.215
1	13.501	109.501	0.000	510.01	0.00	7.28	391.1	10.033
1	13.584	109.584	0.000	518.76	0.00	7.40	394.5	10.889
1	13.668	109.668	0.000	527.83	0.00	7.53	398.0	11.783
1	13.751	109.751	0.000	537.80	0.00	7.66	401.7	12.721
1	13.834	109.834	0.000	548.61	0.00	7.79	405.6	13.706
1	13.918	109.918	0.000	561.10	0.00	7.94	409.6	14.749
1	14.001	110.001	0.000	575.89	0.00	8.09	414.0	15.864
1	14.084	110.084	0.000	599.85	0.00	8.27	418.7	17.111
1	14.168	110.168	0.000	633.13	0.00	8.47	424.1	18.551
1	14.251	110.251	0.000	675.16	0.00	8.70	430.4	20.236
1	14.334	110.334	0.000	723.42	0.00	8.97	437.8	22.204
1	14.418	110.418	0.000	787.96	0.00	9.22	444.9	24.566
1	14.501	110.501	0.000	882.20	0.00	9.52	452.0	27.529
1	14.584	110.584	0.000	1006.08	0.00	9.89	460.7	31.286
1	14.668	110.668	0.000	1081.27	0.00	10.32	471.0	35.489
1	14.751	110.751	0.000	1142.94	0.00	10.77	482.3	40.038
1	14.834	110.834	0.000	1199.92	0.00	11.24	494.0	44.900
1	14.918	110.918	0.000	1257.25	0.00	11.73	505.5	50.077
1	15.001	111.001	0.000	1310.90	0.00	12.24	517.3	55.543
1	15.084	111.084	0.000	1368.19	0.00	12.78	529.7	61.317
1	15.168	111.168	0.000	1424.65	0.00	13.19	540.8	67.405
1	15.251	111.251	0.000	1485.58	0.00	13.53	549.2	73.854
1	15.334	111.334	0.000	1547.35	0.00	13.88	556.8	80.676
1	15.418	111.418	0.000	1602.19	0.00	14.25	564.7	87.821

1	15.501	111.501	0.000	1640.98	0.00	14.64	573.0	95.176
1	15.584	111.584	0.000	1673.36	0.00	15.02	581.4	102.696
1	15.668	111.668	0.000	1699.63	0.00	15.36	589.1	110.345
1	15.751	111.751	0.000	1711.01	0.00	15.70	596.0	118.023
1	15.834	111.834	0.000	1670.82	0.00	16.03	602.8	125.379
1	15.918	111.918	0.000	1605.23	0.00	16.34	609.3	132.238
1	16.001	112.001	0.000	1720.98	0.00	16.68	615.8	139.850
1	16.084	112.084	0.000	2095.83	0.00	17.12	623.7	149.988
1	16.168	112.168	0.000	2595.04	0.00	17.71	633.9	163.494
1	16.251	112.251	0.000	3092.60	0.00	18.44	646.6	180.340
1	16.334	112.334	0.000	3581.29	0.00	19.30	661.8	200.447
1	16.418	112.418	0.000	4356.39	0.00	20.36	679.8	225.768
1	16.501	112.501	0.000	5386.39	0.00	21.69	701.6	258.033
1	16.584	112.584	0.000	5920.67	0.00	23.14	726.0	293.808
1	16.668	112.668	0.000	4105.58	0.00	24.06	742.7	316.969
1	16.751	112.751	0.000	3291.35	0.00	24.75	750.2	334.470
1	16.834	112.834	0.000	2977.31	0.00	25.35	756.4	349.766
1	16.918	112.918	0.000	2862.65	0.00	25.90	762.2	364.232
1	17.001	113.001	0.000	2621.62	0.00	26.39	767.7	377.000
1	17.084	113.084	0.000	2482.26	0.00	26.84	772.6	388.775
1	17.168	113.168	0.000	2288.35	0.00	27.23	777.1	399.183
1	17.251	113.251	0.000	2140.74	0.00	27.58	781.3	408.545
1	17.334	113.334	0.000	1967.61	0.00	27.88	785.1	416.689
1	17.418	113.418	0.000	1811.39	0.00	28.14	788.5	423.734
1	17.501	113.501	0.000	1646.47	0.00	28.36	791.3	429.623
1	17.584	113.584	0.000	1450.46	0.00	28.53	793.5	434.148
1	17.668	113.668	0.000	1315.90	0.00	28.67	795.3	437.733
1	17.751	113.751	0.000	1187.47	0.00	28.77	796.7	440.424
1	17.834	113.834	0.000	1098.97	0.00	28.84	797.7	442.499
1	17.918	113.918	0.000	992.90	0.00	28.89	798.5	443.838
1	18.001	114.001	0.000	923.43	0.00	28.93	798.9	444.695
1	18.084	114.084	0.000	867.45	0.00	28.94	799.2	445.165
1	18.168	114.168	0.000	805.49	0.00	28.94	799.3	445.208
1	18.251	114.251	0.000	705.16	0.00	28.92	799.2	444.560
1	18.334	114.334	0.000	649.72	0.00	28.88	798.8	443.533
1	18.418	114.418	0.000	611.41	0.00	28.83	798.3	442.245
1	18.501	114.501	0.000	570.89	0.00	28.78	797.7	440.683
1	18.584	114.584	0.000	523.70	0.00	28.71	797.0	438.801
1	18.668	114.668	0.000	490.85	0.00	28.63	796.1	436.699
1	18.751	114.751	0.000	465.13	0.00	28.54	795.1	434.426
1	18.834	114.834	0.000	442.53	0.00	28.45	794.1	432.005
1	18.918	114.918	0.000	423.21	0.00	28.36	793.0	429.458
1	19.001	115.001	0.000	406.65	0.00	28.26	791.9	426.804
1	19.084	115.084	0.000	391.04	0.00	28.16	790.7	424.052
1	19.168	115.168	0.000	377.13	0.00	28.05	789.5	421.212
1	19.251	115.251	0.000	365.66	0.00	27.94	788.3	418.301
1	19.335	115.335	0.000	355.55	0.00	27.83	787.0	415.330
1	19.418	115.418	0.000	346.13	0.00	27.72	785.7	412.303
1	19.501	115.501	0.000	337.25	0.00	27.60	784.3	409.223
1	19.585	115.585	0.000	329.64	0.00	27.49	783.0	406.101
1	19.668	115.668	0.000	322.58	0.00	27.37	781.6	402.940
1	19.751	115.751	0.000	315.86	0.00	27.25	780.2	399.742
1	19.835	115.835	0.000	309.24	0.00	27.13	778.8	396.507
1	19.918	115.918	0.000	302.63	0.00	27.01	777.4	393.238
1	20.001	116.001	0.000	295.92	0.00	26.88	776.0	389.931
1	20.085	116.085	0.000	288.33	0.00	26.75	774.7	386.581
1	20.168	116.168	0.000	279.48	0.00	26.62	773.4	383.180
1	20.251	116.251	0.000	262.17	0.00	26.49	772.0	379.669
1	20.335	116.335	0.000	253.19	0.00	26.35	770.6	376.106
1	20.418	116.418	0.000	248.21	0.00	26.22	769.1	372.518
1	20.501	116.501	0.000	243.99	0.00	26.08	767.7	368.911
1	20.585	116.585	0.000	239.39	0.00	25.94	766.2	365.283
1	20.668	116.668	0.000	234.89	0.00	25.80	764.8	361.633
1	20.751	116.751	0.000	230.63	0.00	25.66	763.3	357.965
1	20.835	116.835	0.000	226.60	0.00	25.52	761.9	354.278
1	20.918	116.918	0.000	222.75	0.00	25.38	760.4	350.576
1	21.001	117.001	0.000	219.07	0.00	25.24	758.9	346.858
1	21.085	117.085	0.000	215.55	0.00	25.09	757.4	343.126
1	21.168	117.168	0.000	212.16	0.00	24.95	755.9	339.381
1	21.251	117.251	0.000	209.23	0.00	24.80	754.5	335.625
1	21.335	117.335	0.000	206.52	0.00	24.65	753.1	331.861
1	21.418	117.418	0.000	203.92	0.00	24.50	751.7	328.088
1	21.501	117.501	0.000	201.43	0.00	24.35	750.4	324.307
1	21.585	117.585	0.000	199.02	0.00	24.20	749.0	320.520
1	21.668	117.668	0.000	196.69	0.00	24.05	747.6	316.726
1	21.751	117.751	0.000	194.42	0.00	23.90	746.2	312.926
1	21.835	117.835	0.000	192.22	0.00	23.75	744.8	309.121
1	21.918	117.918	0.000	190.08	0.00	23.60	743.4	305.310
1	22.001	118.001	0.000	188.00	0.00	23.45	742.0	301.495
1	22.085	118.085	0.000	185.97	0.00	23.30	740.6	297.676
1	22.168	118.168	0.000	184.00	0.00	23.14	739.1	293.852
1	22.251	118.251	0.000	182.15	0.00	22.99	737.7	290.026
1	22.335	118.335	0.000	180.38	0.00	22.84	735.6	286.202
1	22.418	118.418	0.000	178.65	0.00	22.68	732.8	282.386
1	22.501	118.501	0.000	176.97	0.00	22.53	730.0	278.577
1	22.585	118.585	0.000	175.33	0.00	22.37	727.2	274.776
1	22.668	118.668	0.000	173.72	0.00	22.22	724.5	270.983
1	22.751	118.751	0.000	172.16	0.00	22.06	721.7	267.199
1	22.835	118.835	0.000	170.63	0.00	21.91	718.9	263.422
1	22.918	118.918	0.000	169.14	0.00	21.76	716.2	259.655
1	23.001	119.001	0.000	167.68	0.00	21.61	713.4	255.896
1	23.085	119.085	0.000	166.25	0.00	21.45	710.7	252.147
1	23.168	119.168	0.000	164.86	0.00	21.30	708.0	248.406
1	23.251	119.251	0.000	163.49	0.00	21.15	705.2	244.675
1	23.335	119.335	0.000	162.16	0.00	21.00	702.5	240.954
1	23.418	119.418	0.000	160.85	0.00	20.84	699.7	237.242
1	23.501	119.501	0.000	159.57	0.00	20.69	696.9	233.542
1	23.585	119.585	0.000	158.32	0.00	20.53	694.0	229.852
1	23.668	119.668	0.000	157.09	0.00	20.38	691.2	226.174
1	23.751	119.751	0.000	155.89	0.00	20.22	688.4	222.506
1	23.835	119.835	0.000	154.71	0.00	20.07	685.6	218.850
1	23.918	119.918	0.000	153.56	0.00	19.92	682.8	215.205
1	24.001	120.001	0.000	152.42	0.00	19.76	680.0	211.572
1	24.085	120.085	0.000	149.83	0.00	19.61	677.2	207.940
1	24.168	120.168	0.000	145.01	0.00	19.46	674.4	204.295
1	24.251	120.251	0.000	138.40	0.00	19.30	671.6	200.623
1	24.335	120.335	0.000	130.31	0.00	19.15	668.7	196.914
1	24.418	120.418	0.000	118.44	0.00	18.99	665.8	193.144
1	24.501	120.501	0.000	98.47	0.00	18.82	662.8	189.258
1	24.585	120.585	0.000	71.03	0.00	18.65	659.4	185.206
1	24.668	120.668	0.000	57.59	0.00	18.47	656.0	181.084
1	24.751	120.751	0.000	48.88	0.00	18.29	652.5	176.927
1	24.835	120.835	0.000	41.82	0.00	18.11	649.0	172.745
1	24.918	120.918	0.000	35.73	0.00	17.93	645.5	168.545
1	25.001	121.001	0.000	31.08	0.00	17.74	642.0	164.338
1	25.085	121.085	0.000	26.69	0.00	17.56	638.5	160.124
1	25.168	121.168	0.000	23.09	0.00	17.38	634.9	155.911
1	25.251	121.251	0.000	19.83	0.00	17.20	631.4	151.698
1	25.335	121.335	0.000	17.11	0.00	17.02	627.9	147.492
1	25.418	121.418	0.000	14.75	0.00	16.83	624.2	143.294
1	25.501	121.501	0.000	12.57	0.00	16.64	620.5	139.108
1	25.585	121.585	0.000	10.70	0.00	16.46	616.7	134.934
1	25.668	121.668	0.000	9.01	0.00	16.27	612.9	130.775
1	25.751	121.751	0.000	7.67	0.00	16.09	609.2	126.633
1	25.835	121.835	0.000	6.41	0.00	15.90	605.4	122.507
1	25.918	121.918	0.000	5.50	0.00	15.72	601.7	118.401
1	26.001	122.001	0.000	4.72	0.00	15.54	598.0	114.315
1	26.085	122.085	0.000	3.95	0.00	15.36	594.3	110.249
1	26.168	122.168	0.000	3.24	0.00	15.18	590.6	106.204
1	26.251	122.251	0.000	2.99	0.00	15.00	587.0	102.182
1	26.335	122.335	0.000	2.85	0.00	14.79	582.9	98.187
1	26.418	122.418	0.000	2.71	0.00	14.59	578.4	94.222
1	26.501	122.501	0.000	2.57	0.00	14.38	573.9	90.288
1	26.585	122.585	0.000	2.44	0.00	14.18	569.4	86.383

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 1  26.668 122.668        0.000     2.30     0.00     13.98     565.0     82.508
 1  26.751 122.751        0.000     2.17     0.00     13.78     560.6     78.662
 1  26.835 122.835        0.000     2.03     0.00     13.58     556.2     74.846
 1  26.918 122.918        0.000     1.90     0.00     13.38     551.8     71.058
 1  27.001 123.001        0.000     1.77     0.00     13.19     547.5     67.300
 1  27.085 123.085        0.000     1.64     0.00     12.99     543.2     63.570
 1  27.168 123.168        0.000     1.51     0.00     12.64     536.9     59.882
 1  27.251 123.251        0.000     1.38     0.00     12.30     528.9     56.249
 1  27.335 123.335        0.000     1.25     0.00     11.97     520.9     52.670
 1  27.418 123.418        0.000     1.13     0.00     11.64     513.1     49.144
 1  27.501 123.501        0.000     1.00     0.00     11.32     505.4     45.671
 1  27.585 123.585        0.000     0.88     0.00     10.99     497.8     42.249
 1  27.668 123.668        0.000     0.75     0.00     10.66     489.6     38.882
 1  27.751 123.751        0.000     0.63     0.00     10.32     480.9     35.574
 1  27.835 123.835        0.000     0.51     0.00     10.00     472.4     32.324
 1  27.918 123.918        0.000     0.38     0.00      9.68     464.1     29.130

  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
--------------------------------------------------------------------------------
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1350.726 AF
    BASIN  STORAGE =      0.000 AF (WITH      0.000 AF INITIALLY FILLED)
    OUTFLOW VOLUME =   1350.798 AF
    LOSS    VOLUME =      0.000 AF


********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      200.0     400.0     600.0     800.0
--------------------------------------------------------------------------------
  96.000    301.5623     32.52  .Q      V .         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    301.7899     33.06  .Q      V .         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    302.0330     35.30  .Q      V .         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    302.3026     39.14  .Q      V .         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    302.6074     44.26  . Q     V .         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    302.9643     51.82  . Q     V .         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    303.4113     64.91  .  Q    V .         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    303.9937     84.56  .   Q    V.         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    304.6758     99.04  .   Q    V.         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    305.4038    105.70  .    Q   V.         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    306.1730    111.69  .    Q   V.         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    306.9763    116.64  .    Q   V.         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    307.8080    120.75  .     Q  V.         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    308.6642    124.33  .     Q  V.         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    309.5430    127.60  .     Q  V.         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    310.4413    130.44  .     Q  V.         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    311.3573    133.01  .     Q  V.         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    312.2887    135.24  .     Q  V.         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    313.2346    137.34  .     Q  V.         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    314.1937    139.26  .     Q  V.         .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    315.1649    141.02  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    316.1468    142.58  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    317.1386    144.01  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    318.1391    145.28  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    319.1472    146.37  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    320.1628    147.46  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    321.1857    148.54  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    322.2144    149.36  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    323.2473    149.98  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    324.2847    150.62  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    325.3264    151.26  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    326.3727    151.91  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    327.4234    152.57  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    328.4787    153.23  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    329.5385    153.89  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    330.6030    154.56  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    331.6721    155.24  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    332.7460    155.93  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    333.8247    156.62  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    334.9081    157.32  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    335.9965    158.02  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    337.0897    158.73  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    338.1878    159.45  .      Q  V         .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    339.2910    160.18  .       Q V         .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    340.3992    160.91  .       Q V         .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    341.5125    161.65  .       Q V         .         .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    342.6310    162.40  .       Q V         .         .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    343.7546    163.16  .       Q V         .         .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    344.8836    163.92  .       Q V         .         .         .
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(PEAK DAY 1, HOUR 4.000)
100.083 346.0178 164.69 . Q V . . .
(PEAK DAY 1, HOUR 4.083)
100.167 347.1574 165.47 . Q V . . .
(PEAK DAY 1, HOUR 4.167)
100.250 348.3021 166.21 . Q V . . .
(PEAK DAY 1, HOUR 4.250)
100.333 349.4516 166.91 . Q V . . .
(PEAK DAY 1, HOUR 4.333)
100.417 350.6060 167.62 . Q V . . .
(PEAK DAY 1, HOUR 4.417)
100.500 351.7653 168.34 . Q V . . .
(PEAK DAY 1, HOUR 4.500)
100.583 352.9297 169.06 . Q V . . .
(PEAK DAY 1, HOUR 4.583)
100.667 354.0990 169.79 . Q V . . .
(PEAK DAY 1, HOUR 4.667)
100.750 355.2735 170.54 . Q V . . .
(PEAK DAY 1, HOUR 4.750)
100.833 356.4532 171.29 . Q V . . .
(PEAK DAY 1, HOUR 4.833)
100.917 357.6381 172.05 . Q V . . .
(PEAK DAY 1, HOUR 4.917)
101.000 358.8282 172.81 . Q V . . .
(PEAK DAY 1, HOUR 5.000)
101.083 360.0237 173.59 . Q V . . .
(PEAK DAY 1, HOUR 5.083)
101.167 361.2247 174.37 . Q V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 362.4311 175.17 . Q V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 363.6430 175.97 . Q V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 364.8606 176.79 . Q V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 366.0838 177.61 . Q V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 367.3127 178.44 . Q V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 368.5475 179.29 . Q V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 369.7881 180.14 . QV . . .
(PEAK DAY 1, HOUR 5.750)
101.833 371.0348 181.01 . QV . . .
(PEAK DAY 1, HOUR 5.833)
101.917 372.2874 181.88 . Q.V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 373.5462 182.77 . Q.V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 374.8111 183.67 . Q.V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 376.0823 184.58 . Q.V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 377.3599 185.50 . Q.V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 378.6439 186.43 . Q.V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 379.9344 187.38 . Q.V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 381.2315 188.34 . Q.V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 382.5352 189.31 . Q.V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 383.8458 190.29 . Q.V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 385.1632 191.29 . Q.V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 386.4876 192.30 . Q.V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 387.8191 193.33 . Q.V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 389.1577 194.37 . Q.V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 390.5036 195.42 . Q.V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 391.8568 196.49 . Q.V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 393.2176 197.57 . Q.V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 394.5858 198.67 . Q.V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 395.9618 199.79 . Q.V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 397.3456 200.92 . QV . . .
(PEAK DAY 1, HOUR 7.500)
103.583 398.7372 202.07 . QV . . .
(PEAK DAY 1, HOUR 7.583)
103.667 400.1369 203.24 . QV . . .
(PEAK DAY 1, HOUR 7.667)
103.750 401.5448 204.42 . QV . . .
(PEAK DAY 1, HOUR 7.750)
103.833 402.9609 205.62 . QV . . .
(PEAK DAY 1, HOUR 7.833)
103.917 404.3855 206.84 . QV . . .
(PEAK DAY 1, HOUR 7.917)
104.000 405.8186 208.08 . Q V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 407.2603 209.34 . Q V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 408.7109 210.62 . Q V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 410.1704 211.92 . Q V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 411.6390 213.24 . Q V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 413.1169 214.58 . Q V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 414.6041 215.95 . Q V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 416.1009 217.34 . Q V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 417.6074 218.75 . Q V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 419.1238 220.18 . .QV . . .
(PEAK DAY 1, HOUR 8.750)
104.833 420.6502 221.64 . .QV . . .
(PEAK DAY 1, HOUR 8.833)
104.917 422.1869 223.12 . .QV . . .
(PEAK DAY 1, HOUR 8.917)
105.000 423.7339 224.63 . .QV . . .
(PEAK DAY 1, HOUR 9.000)
105.083 425.2916 226.17 . .QV . . .
(PEAK DAY 1, HOUR 9.083)
105.167 426.8600 227.74 . .QV . . .
(PEAK DAY 1, HOUR 9.167)
105.250 428.4394 229.33 . .QV . . .
(PEAK DAY 1, HOUR 9.250)
105.333 430.0300 230.95 . .QV . . .
(PEAK DAY 1, HOUR 9.333)
105.417 431.6320 232.60 . .QV . . .
(PEAK DAY 1, HOUR 9.417)
105.500 433.2455 234.29 . .QV . . .
(PEAK DAY 1, HOUR 9.500)
105.583 434.8709 236.00 . .QV . . .

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 (PEAK DAY 1, HOUR   9.583)
105.667    436.5083    237.75  .         .QV       .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    438.1580    239.53  .         .QV       .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    439.8202    241.35  .         . QV      .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    441.4951    243.21  .         . QV      .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    443.1832    245.10  .         . QV      .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    444.8845    247.03  .         . QV      .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    446.5993    249.00  .         . QV      .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    448.3281    251.01  .         . QV      .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    450.0710    253.07  .         . QV      .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    451.8283    255.17  .         . QV      .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    453.6004    257.31  .         . QV      .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    455.3876    259.50  .         . QV      .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    457.1902    261.74  .         .  Q      .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    459.0087    264.04  .         .  Q      .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    460.8433    266.38  .         .  Q      .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    462.6944    268.78  .         .  Q      .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    464.5624    271.24  .         .  Q      .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    466.4478    273.76  .         .  Q      .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    468.3510    276.33  .         .  Q      .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    470.2721    278.95  .         .  Q      .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    472.2042    280.53  .         .  VQ     .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    474.1410    281.23  .         .   Q     .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    476.0859    282.39  .         .   Q     .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    478.0413    283.93  .         .   Q     .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    480.0095    285.78  .         .   Q     .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    481.9922    287.89  .         .   Q     .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    483.9910    290.23  .         .   Q     .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    486.0073    292.76  .         .   Q     .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    488.0421    295.46  .         .   Q     .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    490.0977    298.46  .         .   Q     .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    492.1781    302.08  .         .   VQ    .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    494.2896    306.60  .         .   VQ    .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    496.4395    312.16  .         .   VQ    .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    498.6292    317.95  .         .   VQ    .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    500.8550    323.18  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    503.1230    329.31  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    505.4437    336.97  .         .   V Q   .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    507.8215    345.25  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    510.2498    352.59  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    512.7162    358.13  .         .    V Q  .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    515.2171    363.12  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    517.7538    368.33  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    520.3276    373.73  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    522.9398    379.29  .         .    V  Q .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    525.5860    384.22  .         .    V   Q.         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    528.2576    387.91  .         .    V   Q.         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    530.9513    391.13  .         .    V   Q.         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    533.6682    394.50  .         .    V   Q.         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    536.4094    398.01  .         .    V   Q.         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    539.1758    401.70  .         .    V    Q         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    541.9690    405.56  .         .     V   Q         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    544.7902    409.64  .         .     V   Q         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    547.6413    413.98  .         .     V   Q         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    550.5251    418.73  .         .     V   Q         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    553.4461    424.13  .         .     V   .Q        .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    556.4104    430.41  .         .     V   .Q        .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    559.4252    437.76  .         .     V   .Q        .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    562.4894    444.91  .         .     V   . Q       .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    565.6021    451.96  .         .     V   . Q       .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    568.7747    460.67  .         .     V   .  Q      .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    572.0184    470.99  .         .     V   .  Q      .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    575.3403    482.34  .         .      V  .   Q     .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    578.7428    494.03  .         .      V  .   Q     .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    582.2245    505.54  .         .      V  .    Q    .         .
 (PEAK DAY 1, HOUR  14.917)
111.000    585.7870    517.28  .         .      V  .    Q    .         .
 (PEAK DAY 1, HOUR  15.000)
111.083    589.4349    529.68  .         .      V  .     Q   .         .
 (PEAK DAY 1, HOUR  15.083)
111.167    593.1594    540.78  .         .      V  .      Q  .         .
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(PEAK DAY 1, HOUR  15.167)
111.250    596.9417    549.20  .         .      V  .      Q  .         .
(PEAK DAY 1, HOUR  15.250)
111.333    600.7762    556.77  .         .      V  .      Q  .         .
(PEAK DAY 1, HOUR  15.333)
111.417    604.6655    564.73  .         .      V  .       Q .         .
(PEAK DAY 1, HOUR  15.417)
111.500    608.6118    573.00  .         .       V .       Q .         .
(PEAK DAY 1, HOUR  15.500)
111.583    612.6161    581.42  .         .       V .        Q.         .
(PEAK DAY 1, HOUR  15.583)
111.667    616.6733    589.11  .         .       V .        Q.         .
(PEAK DAY 1, HOUR  15.667)
111.750    620.7782    596.04  .         .       V .        Q.         .
(PEAK DAY 1, HOUR  15.750)
111.833    624.9299    602.83  .         .       V .         Q         .
(PEAK DAY 1, HOUR  15.833)
111.917    629.1259    609.26  .         .       V .         Q         .
(PEAK DAY 1, HOUR  15.917)
112.000    633.3670    615.80  .         .       V .         Q         .
(PEAK DAY 1, HOUR  16.000)
112.083    637.6627    623.73  .         .       V .         .Q        .
(PEAK DAY 1, HOUR  16.083)
112.167    642.0282    633.88  .         .        V.         .Q        .
(PEAK DAY 1, HOUR  16.167)
112.250    646.4813    646.60  .         .        V.         . Q       .
(PEAK DAY 1, HOUR  16.250)
112.333    651.0394    661.84  .         .        V.         .  Q      .
(PEAK DAY 1, HOUR  16.333)
112.417    655.7209    679.75  .         .        V.         .  Q      .
(PEAK DAY 1, HOUR  16.417)
112.500    660.5526    701.56  .         .        V.         .    Q    .
(PEAK DAY 1, HOUR  16.500)
112.583    665.5528    726.03  .         .        V.         .     Q   .
(PEAK DAY 1, HOUR  16.583)
112.667    670.6678    742.69  .         .        V.         .      Q  .
(PEAK DAY 1, HOUR  16.667)
112.750    675.8344    750.18  .         .         V         .      Q  .
(PEAK DAY 1, HOUR  16.750)
112.833    681.0435    756.36  .         .         V         .      Q  .
(PEAK DAY 1, HOUR  16.833)
112.917    686.2928    762.21  .         .         V         .       Q .
(PEAK DAY 1, HOUR  16.917)
113.000    691.5797    767.65  .         .         V         .       Q .
(PEAK DAY 1, HOUR  17.000)
113.083    696.9004    772.56  .         .         V         .       Q .
(PEAK DAY 1, HOUR  17.083)
113.167    702.2523    777.10  .         .         V         .       Q .
(PEAK DAY 1, HOUR  17.167)
113.250    707.6334    781.33  .         .         V         .        Q.
(PEAK DAY 1, HOUR  17.250)
113.333    713.0408    785.15  .         .         .V        .        Q.
(PEAK DAY 1, HOUR  17.333)
113.417    718.4709    788.46  .         .         .V        .        Q.
(PEAK DAY 1, HOUR  17.417)
113.500    723.9205    791.28  .         .         .V        .        Q.
(PEAK DAY 1, HOUR  17.500)
113.583    729.3857    793.54  .         .         .V        .        Q.
(PEAK DAY 1, HOUR  17.583)
113.667    734.8631    795.31  .         .         .V        .        Q.
(PEAK DAY 1, HOUR  17.667)
113.750    740.3499    796.68  .         .         .V        .        Q.
(PEAK DAY 1, HOUR  17.750)
113.833    745.8438    797.72  .         .         . V       .        Q.
(PEAK DAY 1, HOUR  17.833)
113.917    751.3428    798.46  .         .         . V       .        Q.
(PEAK DAY 1, HOUR  17.917)
114.000    756.8451    798.94  .         .         . V       .        Q.
(PEAK DAY 1, HOUR  18.000)
114.083    762.3494    799.23  .         .         . V       .        Q.
(PEAK DAY 1, HOUR  18.083)
114.167    767.8546    799.34  .         .         . V       .        Q.
(PEAK DAY 1, HOUR  18.167)
114.250    773.3588    799.21  .         .         . V       .        Q.
(PEAK DAY 1, HOUR  18.250)
114.333    778.8604    798.84  .         .         .  V      .        Q.
(PEAK DAY 1, HOUR  18.333)
114.417    784.3586    798.34  .         .         .  V      .        Q.
(PEAK DAY 1, HOUR  18.417)
114.500    789.8526    797.72  .         .         .  V      .        Q.
(PEAK DAY 1, HOUR  18.500)
114.583    795.3414    796.97  .         .         .  V      .        Q.
(PEAK DAY 1, HOUR  18.583)
114.667    800.8242    796.10  .         .         .  V      .        Q.
(PEAK DAY 1, HOUR  18.667)
114.750    806.3004    795.15  .         .         .  V      .        Q.
(PEAK DAY 1, HOUR  18.750)
114.833    811.7695    794.12  .         .         .   V     .        Q.
(PEAK DAY 1, HOUR  18.833)
114.917    817.2313    793.04  .         .         .   V     .        Q.
(PEAK DAY 1, HOUR  18.917)
115.000    822.6852    791.91  .         .         .   V     .        Q.
(PEAK DAY 1, HOUR  19.000)
115.083    828.1310    790.73  .         .         .   V     .        Q.
(PEAK DAY 1, HOUR  19.083)
115.167    833.5684    789.51  .         .         .   V     .        Q.
(PEAK DAY 1, HOUR  19.167)
115.250    838.9972    788.26  .         .         .   V     .        Q.
(PEAK DAY 1, HOUR  19.250)
115.333    844.4172    786.98  .         .         .    V    .        Q.
(PEAK DAY 1, HOUR  19.333)
115.417    849.8281    785.67  .         .         .    V    .        Q.
(PEAK DAY 1, HOUR  19.417)
115.500    855.2299    784.34  .         .         .    V    .        Q.
(PEAK DAY 1, HOUR  19.500)
115.583    860.6224    782.99  .         .         .    V    .        Q.
(PEAK DAY 1, HOUR  19.583)
115.667    866.0055    781.62  .         .         .    V    .        Q.
(PEAK DAY 1, HOUR  19.667)
115.750    871.3790    780.23  .         .         .    V    .        Q.
(PEAK DAY 1, HOUR  19.750)
115.833    876.7429    778.83  .         .         .    V    .       Q .
(PEAK DAY 1, HOUR  19.833)
115.917    882.0970    777.42  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  19.917)
116.000    887.4417    776.04  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  20.000)
116.083    892.7771    774.70  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  20.083)
116.167    898.1032    773.36  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  20.167)
116.250    903.4199    771.97  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  20.250)
116.333    908.7267    770.56  .         .         .     V   .       Q .
(PEAK DAY 1, HOUR  20.333)
116.417    914.0238    769.13  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  20.417)
116.500    919.3110    767.69  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  20.500)
116.583    924.5882    766.25  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  20.583)
116.667    929.8553    764.79  .         .         .      V  .       Q .
(PEAK DAY 1, HOUR  20.667)
116.750    935.1124    763.33  .         .         .      V  .       Q .
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 (PEAK DAY 1, HOUR  20.750)
116.833    940.3594    761.86  .         .         .      V  .       Q  .
 (PEAK DAY 1, HOUR  20.833)
116.917    945.5963    760.39  .         .         .       V .       Q  .
 (PEAK DAY 1, HOUR  20.917)
117.000    950.8229    758.90  .         .         .       V .      Q   .
 (PEAK DAY 1, HOUR  21.000)
117.083    956.0392    757.42  .         .         .       V .      Q   .
 (PEAK DAY 1, HOUR  21.083)
117.167    961.2455    755.94  .         .         .       V .      Q   .
 (PEAK DAY 1, HOUR  21.167)
117.250    966.4419    754.52  .         .         .       V .      Q   .
 (PEAK DAY 1, HOUR  21.250)
117.333    971.6288    753.14  .         .         .       V .      Q   .
 (PEAK DAY 1, HOUR  21.333)
117.417    976.8062    751.75  .         .         .       V .      Q   .
 (PEAK DAY 1, HOUR  21.417)
117.500    981.9739    750.36  .         .         .        V.      Q   .
 (PEAK DAY 1, HOUR  21.500)
117.583    987.1321    748.96  .         .         .        V.      Q   .
 (PEAK DAY 1, HOUR  21.583)
117.667    992.2806    747.57  .         .         .        V.      Q   .
 (PEAK DAY 1, HOUR  21.667)
117.750    997.4196    746.17  .         .         .        V.      Q   .
 (PEAK DAY 1, HOUR  21.750)
117.833   1002.5488    744.77  .         .         .        V.      Q   .
 (PEAK DAY 1, HOUR  21.833)
117.917   1007.6685    743.37  .         .         .        V.      Q   .
 (PEAK DAY 1, HOUR  21.917)
118.000   1012.7784    741.96  .         .         .        V.      Q   .
 (PEAK DAY 1, HOUR  22.000)
118.083   1017.8787    740.56  .         .         .         V      Q   .
 (PEAK DAY 1, HOUR  22.083)
118.167   1022.9692    739.15  .         .         .         V     Q    .
 (PEAK DAY 1, HOUR  22.167)
118.250   1028.0499    737.71  .         .         .         V     Q    .
 (PEAK DAY 1, HOUR  22.250)
118.333   1033.1158    735.58  .         .         .         V     Q    .
 (PEAK DAY 1, HOUR  22.333)
118.417   1038.1626    732.79  .         .         .         V     Q    .
 (PEAK DAY 1, HOUR  22.417)
118.500   1043.1902    730.01  .         .         .         V     Q    .
 (PEAK DAY 1, HOUR  22.500)
118.583   1048.1987    727.23  .         .         .         .V    Q    .
 (PEAK DAY 1, HOUR  22.583)
118.667   1053.1881    724.46  .         .         .         .V    Q    .
 (PEAK DAY 1, HOUR  22.667)
118.750   1058.1584    721.70  .         .         .         .V    Q    .
 (PEAK DAY 1, HOUR  22.750)
118.833   1063.1099    718.94  .         .         .         .V   Q     .
 (PEAK DAY 1, HOUR  22.833)
118.917   1068.0422    716.19  .         .         .         .V   Q     .
 (PEAK DAY 1, HOUR  22.917)
119.000   1072.9557    713.44  .         .         .         .V   Q     .
 (PEAK DAY 1, HOUR  23.000)
119.083   1077.8503    710.70  .         .         .         .V   Q     .
 (PEAK DAY 1, HOUR  23.083)
119.167   1082.7262    707.97  .         .         .         . V  Q     .
 (PEAK DAY 1, HOUR  23.167)
119.250   1087.5833    705.24  .         .         .         . V  Q     .
 (PEAK DAY 1, HOUR  23.250)
119.333   1092.4215    702.52  .         .         .         . V  Q     .
 (PEAK DAY 1, HOUR  23.333)
119.417   1097.2406    699.74  .         .         .         . V Q      .
 (PEAK DAY 1, HOUR  23.417)
119.500   1102.0402    696.89  .         .         .         . V Q      .
 (PEAK DAY 1, HOUR  23.500)
119.583   1106.8201    694.05  .         .         .         . V Q      .
 (PEAK DAY 1, HOUR  23.583)
119.667   1111.5804    691.21  .         .         .         . V Q      .
 (PEAK DAY 1, HOUR  23.667)
119.750   1116.3214    688.39  .         .         .         .  VQ      .
 (PEAK DAY 1, HOUR  23.750)
119.833   1121.0430    685.57  .         .         .         .  VQ      .
 (PEAK DAY 1, HOUR  23.833)
119.917   1125.7452    682.77  .         .         .         .  VQ      .
 (PEAK DAY 1, HOUR  23.917)
120.000   1130.4282    679.97  .         .         .         .  Q       .
 (PEAK DAY 1, HOUR  24.000)
120.083   1135.0919    677.18  .         .         .         .  Q       .
 (PEAK DAY 1, HOUR  24.083)
120.167   1139.7365    674.38  .         .         .         .  Q       .
 (PEAK DAY 1, HOUR  24.167)
120.250   1144.3616    671.57  .         .         .         .  Q       .
 (PEAK DAY 1, HOUR  24.250)
120.333   1148.9672    668.73  .         .         .         .  QV      .
 (PEAK DAY 1, HOUR  24.333)
120.417   1153.5529    665.84  .         .         .         .  QV      .
 (PEAK DAY 1, HOUR  24.417)
120.500   1158.1173    662.76  .         .         .         .  QV      .
 (PEAK DAY 1, HOUR  24.500)
120.583   1162.6588    659.43  .         .         .         .  Q V     .
 (PEAK DAY 1, HOUR  24.583)
120.667   1167.1768    656.01  .         .         .         .  Q V     .
 (PEAK DAY 1, HOUR  24.667)
120.750   1171.6708    652.54  .         .         .         .  Q V     .
 (PEAK DAY 1, HOUR  24.750)
120.833   1176.1407    649.04  .         .         .         .  Q V     .
 (PEAK DAY 1, HOUR  24.833)
120.917   1180.5865    645.53  .         .         .         .  Q V     .
 (PEAK DAY 1, HOUR  24.917)
121.000   1185.0081    642.01  .         .         .         .  Q  V    .
 (PEAK DAY 1, HOUR  25.000)
121.083   1189.4053    638.48  .         .         .         .Q   V     .
 (PEAK DAY 1, HOUR  25.083)
121.167   1193.7782    634.95  .         .         .         .Q   V     .
 (PEAK DAY 1, HOUR  25.167)
121.250   1198.1268    631.42  .         .         .         .Q   V     .
 (PEAK DAY 1, HOUR  25.250)
121.333   1202.4512    627.89  .         .         .         .Q   V     .
 (PEAK DAY 1, HOUR  25.333)
121.417   1206.7504    624.24  .         .         .         .Q   V     .
 (PEAK DAY 1, HOUR  25.417)
121.500   1211.0236    620.47  .         .         .         .Q   V     .
 (PEAK DAY 1, HOUR  25.500)
121.583   1215.2708    616.69  .         .         .         Q    V     .
 (PEAK DAY 1, HOUR  25.583)
121.667   1219.4919    612.92  .         .         .         Q     V    .
 (PEAK DAY 1, HOUR  25.667)
121.750   1223.6873    609.17  .         .         .         Q     V    .
 (PEAK DAY 1, HOUR  25.750)
121.833   1227.8568    605.43  .         .         .         Q     V    .
 (PEAK DAY 1, HOUR  25.833)
121.917   1232.0007    601.71  .         .         .         Q     V    .
 (PEAK DAY 1, HOUR  25.917)
122.000   1236.1193    598.00  .         .         .        Q.     V    .
 (PEAK DAY 1, HOUR  26.000)
122.083   1240.2124    594.32  .         .         .        Q.     V    .
 (PEAK DAY 1, HOUR  26.083)
122.167   1244.2803    590.65  .         .         .        Q.     V    .
 (PEAK DAY 1, HOUR  26.167)
122.250   1248.3230    587.00  .         .         .        Q.     V    .
 (PEAK DAY 1, HOUR  26.250)
122.333   1252.3375    582.90  .         .         .        Q.      V   .
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 (PEAK DAY 1, HOUR  26.333)
122.417   1256.3208    578.36  .         .         .       Q .      V  .
 (PEAK DAY 1, HOUR  26.417)
122.500   1260.2729    573.86  .         .         .       Q .      V  .
 (PEAK DAY 1, HOUR  26.500)
122.583   1264.1943    569.39  .         .         .       Q .      V  .
 (PEAK DAY 1, HOUR  26.583)
122.667   1268.0852    564.96  .         .         .       Q .      V  .
 (PEAK DAY 1, HOUR  26.667)
122.750   1271.9458    560.55  .         .         .       Q .      V  .
 (PEAK DAY 1, HOUR  26.750)
122.833   1275.7762    556.19  .         .         .      Q  .      V  .
 (PEAK DAY 1, HOUR  26.833)
122.917   1279.5769    551.85  .         .         .      Q  .      V  .
 (PEAK DAY 1, HOUR  26.917)
123.000   1283.3479    547.55  .         .         .      Q  .       V .
 (PEAK DAY 1, HOUR  27.000)
123.083   1287.0890    543.21  .         .         .      Q  .       V .
 (PEAK DAY 1, HOUR  27.083)
123.167   1290.7870    536.95  .         .         .     Q   .       V .
 (PEAK DAY 1, HOUR  27.167)
123.250   1294.4293    528.87  .         .         .     Q   .       V .
 (PEAK DAY 1, HOUR  27.250)
123.333   1298.0170    520.92  .         .         .     Q   .       V .
 (PEAK DAY 1, HOUR  27.333)
123.417   1301.5507    513.08  .         .         .    Q    .       V .
 (PEAK DAY 1, HOUR  27.417)
123.500   1305.0311    505.37  .         .         .    Q    .       V .
 (PEAK DAY 1, HOUR  27.500)
123.583   1308.4591    497.75  .         .         .   Q     .       V .
 (PEAK DAY 1, HOUR  27.583)
123.667   1311.8311    489.60  .         .         .   Q     .       V .
 (PEAK DAY 1, HOUR  27.667)
123.750   1315.1434    480.95  .         .         .   Q     .       V .
 (PEAK DAY 1, HOUR  27.750)
123.833   1318.3972    472.45  .         .         .  Q      .        V.
 (PEAK DAY 1, HOUR  27.833)
123.917   1321.5934    464.09  .         .         .  Q      .        V.
 (PEAK DAY 1, HOUR  27.917)
124.000   1324.7330    455.88  .         .         . Q       .        V.
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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             F L O O D    R O U T I N G    A N A L Y S I S
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                          Analysis prepared by:

                           Huitt - Zollars, Inc.
                          430 Exchange, Suite 200
                           Irvine, CA. 92602-1309
                              714 - 734 - 5100

--------------------------------------------------------------------------
  FILE NAME: CP63CEO5.FLD
  TIME/DATE OF STUDY: 14:11 04/01/2004


**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    780.00 IS CODE =   1
--------------------------------------------------------------------------
  >>>>>SUBAREA RUNOFF (UNIT-HYDROGRAPH ANALYSIS)<<<<<
==========================================================================

      (UNIT-HYDROGRAPH ADDED TO STREAM #1)

        WATERSHED AREA =    4741.300 ACRES
        BASEFLOW =   0.000 CFS/SQUARE-MILE
        *USER ENTERED "LAG" TIME =    0.520 HOURS
        VALLEY(DEVELOPED):
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        FOOTHILL "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  1.000
        MOUNTAIN "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        VALLEY(UNDEVELOPED)/DESERT:
                 "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        DESERT(UNDEVELOPED) "S"-CURVE PERCENTAGE(DECIMAL NOTATION) =  0.000
        BALANCED STORM PATTERN MULTIPLE DAY RAINFALL AND LOSS DATA:
        +------------------+--------+--------+--------+--------+--------+
        | RAINFALL DEPTHS & |        |        |        |        |        |
        |    LOSS RATES     |  DAY 1 |  DAY 2 |  DAY 3 |  DAY 4 |  DAY 5 |
        |==================+========+========+========+========+========|
        | 5-MINUTE (INCHES) |    0.45|    0.20|    0.09|    0.04|    0.03|
        |30-MINUTE (INCHES) |    0.97|    0.42|    0.19|    0.09|    0.07|
        |   1-HOUR (INCHES) |    1.28|    0.56|    0.25|    0.12|    0.10|
        |   3-HOUR (INCHES) |    2.16|    0.94|    0.42|    0.20|    0.16|
        |   6-HOUR (INCHES) |    3.02|    1.32|    0.58|    0.28|    0.23|
        |  24-HOUR (INCHES) |    5.01|    2.19|    0.97|    0.47|    0.38|
        |==================+========+========+========+========+========|
        | LOSS RATE(IN/HR)  |   0.190|   0.190|   0.190|   0.190|   0.190|
        | LOW LOSS FRACTION |   0.610|   0.810|   0.930|   0.990|   0.990|
        +------------------+--------+--------+--------+--------+--------+

        PRECIPITATION DEPTH-AREA REDUCTION FACTORS:
          5-MINUTE FACTOR = 0.793
         30-MINUTE FACTOR = 0.793
          1-HOUR FACTOR = 0.793
          3-HOUR FACTOR = 0.969
          6-HOUR FACTOR = 0.984
         24-HOUR FACTOR = 0.990

        UNIT HYDROGRAPH TIME UNIT =   5.000 MINUTES
        UNIT INTERVAL PERCENTAGE OF LAG-TIME =  16.026


        RUNOFF HYDROGRAPH LISTING LIMITS:
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        MODEL TIME(HOURS) FOR BEGINNING OF RESULTS =  96.00
        MODEL TIME(HOURS) FOR END OF RESULTS = 124.00


==========================================================================
                      UNIT HYDROGRAPH DETERMINATION

--------------------------------------------------------------------------
    INTERVAL          "S" GRAPH          UNIT HYDROGRAPH
     NUMBER          MEAN VALUES          ORDINATES(CFS)
--------------------------------------------------------------------------
        1                1.043               598.328
        2                3.671              1506.497
        3                7.588              2246.119
        4               12.584              2864.778
        5               20.278              4411.764
        6               33.729              7712.629
        7               52.531             10781.282
        8               61.624              5213.888
        9               67.455              3343.624
       10               72.172              2704.769
       11               76.244              2334.520
       12               79.328              1768.307
       13               82.255              1678.753
       14               84.650              1373.153
       15               86.832              1251.016
       16               88.638              1035.667
       17               90.211               902.195
       18               91.667               834.439
       19               92.924               720.986
       20               94.054               648.204
       21               94.947               511.963
       22               95.799               488.554
       23               96.406               347.671
       24               96.923               296.373
       25               97.440               296.517
       26               97.919               274.779
       27               98.076                90.079
       28               98.159                47.452
       29               98.242                47.518
       30               98.325                47.592
       31               98.407                47.518
       32               98.490                47.522
       33               98.573                47.518
       34               98.656                47.522
       35               98.739                47.522
       36               98.822                47.658
       37               98.905                47.382
       38               98.988                47.518
       39               99.070                47.522
       40               99.153                47.518
       41               99.236                47.518
       42               99.319                47.518
       43               99.402                47.518
       44               99.485                47.518
       45               99.568                47.518
       46               99.651                47.518
       47               99.733                47.518
       48               99.816                47.518
       49               99.899                47.518
       50               99.982                47.518
       51              100.000                10.294


--------------------------------------------------------------------------
    TOTAL SOIL-LOSS VOLUME(ACRE-FEET) =    2178.4390
    TOTAL STORM RUNOFF VOLUME(ACRE-FEET) =    1350.7266
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5 - D A Y D E S I G N S T O R M
R U N O F F H Y D R O G R A P H
(see HYDROLOGY MANUAL for Definition of "PEAK DAY")

HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
(Note: Time indicated is at END of Each Unit Intervals)

TIME(HRS)	VOLUME(AF)	Q(CFS)	0.	1500.0	3000.0	4500.0	6000.0
96.000	301.6200	32.46	Q	V .	.	.	.
(PEAK DAY 2, HOUR 24.000)							
96.083	301.8500	33.40	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.083)							
96.167	302.0987	36.12	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.167)							
96.250	302.3764	40.31	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.250)							
96.333	302.6914	45.75	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.333)							
96.417	303.0650	54.25	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.417)							
96.500	303.5421	69.27	Q	V .	.	.	.
(PEAK DAY 1, HOUR 0.500)							
96.583	304.1645	90.38	Q	V.	.	.	.
(PEAK DAY 1, HOUR 0.583)							
96.667	304.8582	100.72	Q	V.	.	.	.
(PEAK DAY 1, HOUR 0.667)							
96.750	305.5984	107.48	Q	V.	.	.	.
(PEAK DAY 1, HOUR 0.750)							
96.833	306.3767	113.01	Q	V.	.	.	.
(PEAK DAY 1, HOUR 0.833)							
96.917	307.1886	117.88	Q	V.	.	.	.
(PEAK DAY 1, HOUR 0.917)							
97.000	308.0264	121.65	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.000)							
97.083	308.8892	125.29	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.083)							
97.167	309.7730	128.33	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.167)							
97.250	310.6765	131.18	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.250)							
97.333	311.5966	133.60	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.333)							
97.417	312.5318	135.80	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.417)							
97.500	313.4813	137.86	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.500)							
97.583	314.4436	139.73	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.583)							
97.667	315.4178	141.46	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.667)							
97.750	316.4023	142.95	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.750)							
97.833	317.3966	144.38	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.833)							
97.917	318.3992	145.57	Q	V.	.	.	.
(PEAK DAY 1, HOUR 1.917)							
98.000	319.4091	146.65	Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.000)							
98.083	320.4267	147.75	Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.083)							
98.167	321.4515	148.81	Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.167)							
98.250	322.4813	149.52	Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.250)							
98.333	323.5154	150.15	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.333)							
98.417	324.5539	150.79	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.417)							
98.500	325.5967	151.43	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.500)							
98.583	326.6442	152.09	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.583)							
98.667	327.6960	152.73	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.667)							
98.750	328.7525	153.40	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.750)							
98.833	329.8135	154.06	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.833)							
98.917	330.8793	154.74	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 2.917)							
99.000	331.9496	155.41	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.000)							
99.083	333.0247	156.11	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.083)							
99.167	334.1046	156.79	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.167)							
99.250	335.1894	157.50	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.250)							
99.333	336.2789	158.20	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.333)							
99.417	337.3734	158.93	.Q	V.	.	.	.
(PEAK DAY 1, HOUR 3.417)							
99.500	338.4728	159.64	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.500)							
99.583	339.5773	160.37	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.583)							
99.667	340.6868	161.10	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.667)							
99.750	341.8015	161.85	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.750)							
99.833	342.9213	162.59	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.833)							
99.917	344.0464	163.36	.Q	V	.	.	.
(PEAK DAY 1, HOUR 3.917)							
100.000	345.1766	164.11	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.000)							
100.083	346.3123	164.90	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.083)							
100.167	347.4532	165.67	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.167)							
100.250	348.5992	166.39	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.250)							
100.333	349.7499	167.09	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.333)							
100.417	350.9056	167.81	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.417)							
100.500	352.0662	168.52	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.500)							
100.583	353.2319	169.26	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.583)							
100.667	354.4025	169.98	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.667)							
100.750	355.5784	170.74	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.750)							
100.833	356.7594	171.48	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.833)							
100.917	357.9456	172.25	.Q	V	.	.	.
(PEAK DAY 1, HOUR 4.917)							
101.000	359.1371	173.01	.Q	V	.	.	.
(PEAK DAY 1, HOUR 5.000)							
101.083	360.3341	173.80	.Q	V	.	.	.

(PEAK DAY 1, HOUR 5.083)
101.167 361.5364 174.57 .Q V . . .
(PEAK DAY 1, HOUR 5.167)
101.250 362.7443 175.38 .Q V . . .
(PEAK DAY 1, HOUR 5.250)
101.333 363.9576 176.18 .Q V . . .
(PEAK DAY 1, HOUR 5.333)
101.417 365.1767 177.01 .Q V . . .
(PEAK DAY 1, HOUR 5.417)
101.500 366.4013 177.82 .Q V . . .
(PEAK DAY 1, HOUR 5.500)
101.583 367.6318 178.67 .Q V . . .
(PEAK DAY 1, HOUR 5.583)
101.667 368.8681 179.50 .Q V . . .
(PEAK DAY 1, HOUR 5.667)
101.750 370.1103 180.37 .Q V . . .
(PEAK DAY 1, HOUR 5.750)
101.833 371.3584 181.23 .Q V . . .
(PEAK DAY 1, HOUR 5.833)
101.917 372.6127 182.12 .Q .V . . .
(PEAK DAY 1, HOUR 5.917)
102.000 373.8730 183.00 .Q .V . . .
(PEAK DAY 1, HOUR 6.000)
102.083 375.1396 183.91 .Q .V . . .
(PEAK DAY 1, HOUR 6.083)
102.167 376.4124 184.81 .Q .V . . .
(PEAK DAY 1, HOUR 6.167)
102.250 377.6917 185.75 .Q .V . . .
(PEAK DAY 1, HOUR 6.250)
102.333 378.9773 186.67 .Q .V . . .
(PEAK DAY 1, HOUR 6.333)
102.417 380.2695 187.63 .Q .V . . .
(PEAK DAY 1, HOUR 6.417)
102.500 381.5682 188.58 .Q .V . . .
(PEAK DAY 1, HOUR 6.500)
102.583 382.8738 189.57 .Q .V . . .
(PEAK DAY 1, HOUR 6.583)
102.667 384.1861 190.54 .Q .V . . .
(PEAK DAY 1, HOUR 6.667)
102.750 385.5054 191.56 .Q .V . . .
(PEAK DAY 1, HOUR 6.750)
102.833 386.8315 192.56 .Q .V . . .
(PEAK DAY 1, HOUR 6.833)
102.917 388.1649 193.60 .Q .V . . .
(PEAK DAY 1, HOUR 6.917)
103.000 389.5053 194.63 .Q .V . . .
(PEAK DAY 1, HOUR 7.000)
103.083 390.8531 195.71 .Q .V . . .
(PEAK DAY 1, HOUR 7.083)
103.167 392.2082 196.76 .Q .V . . .
(PEAK DAY 1, HOUR 7.167)
103.250 393.5710 197.87 .Q .V . . .
(PEAK DAY 1, HOUR 7.250)
103.333 394.9412 198.95 .Q .V . . .
(PEAK DAY 1, HOUR 7.333)
103.417 396.3192 200.09 .Q .V . . .
(PEAK DAY 1, HOUR 7.417)
103.500 397.7050 201.21 .Q .V . . .
(PEAK DAY 1, HOUR 7.500)
103.583 399.0988 202.38 .Q .V . . .
(PEAK DAY 1, HOUR 7.583)
103.667 400.5005 203.53 .Q .V . . .
(PEAK DAY 1, HOUR 7.667)
103.750 401.9106 204.74 .Q .V . . .
(PEAK DAY 1, HOUR 7.750)
103.833 403.3288 205.93 .Q .V . . .
(PEAK DAY 1, HOUR 7.833)
103.917 404.7556 207.17 .Q .V . . .
(PEAK DAY 1, HOUR 7.917)
104.000 406.1909 208.40 .Q . V . . .
(PEAK DAY 1, HOUR 8.000)
104.083 407.6349 209.68 .Q . V . . .
(PEAK DAY 1, HOUR 8.083)
104.167 409.0877 210.95 .Q . V . . .
(PEAK DAY 1, HOUR 8.167)
104.250 410.5497 212.27 .Q . V . . .
(PEAK DAY 1, HOUR 8.250)
104.333 412.0206 213.58 .Q . V . . .
(PEAK DAY 1, HOUR 8.333)
104.417 413.5009 214.95 .Q . V . . .
(PEAK DAY 1, HOUR 8.417)
104.500 414.9906 216.29 .Q . V . . .
(PEAK DAY 1, HOUR 8.500)
104.583 416.4900 217.71 .Q . V . . .
(PEAK DAY 1, HOUR 8.583)
104.667 417.9989 219.10 .Q . V . . .
(PEAK DAY 1, HOUR 8.667)
104.750 419.5180 220.57 .Q . V . . .
(PEAK DAY 1, HOUR 8.750)
104.833 421.0469 222.01 .Q . V . . .
(PEAK DAY 1, HOUR 8.833)
104.917 422.5864 223.52 .Q . V . . .
(PEAK DAY 1, HOUR 8.917)
105.000 424.1360 225.02 .Q . V . . .
(PEAK DAY 1, HOUR 9.000)
105.083 425.6966 226.59 .Q . V . . .
(PEAK DAY 1, HOUR 9.083)
105.167 427.2677 228.13 .Q . V . . .
(PEAK DAY 1, HOUR 9.167)
105.250 428.8501 229.76 .Q . V . . .
(PEAK DAY 1, HOUR 9.250)
105.333 430.4435 231.36 .Q . V . . .
(PEAK DAY 1, HOUR 9.333)
105.417 432.0485 233.05 .Q . V . . .
(PEAK DAY 1, HOUR 9.417)
105.500 433.6649 234.71 .Q . V . . .
(PEAK DAY 1, HOUR 9.500)
105.583 435.2935 236.47 .Q . V . . .
(PEAK DAY 1, HOUR 9.583)
105.667 436.9340 238.19 .Q . V . . .
(PEAK DAY 1, HOUR 9.667)
105.750 438.5870 240.02 .Q . V . . .
(PEAK DAY 1, HOUR 9.750)
105.833 440.2523 241.81 .Q . V . . .
(PEAK DAY 1, HOUR 9.833)
105.917 441.9308 243.71 .Q . V . . .
(PEAK DAY 1, HOUR 9.917)
106.000 443.6221 245.58 .Q . V . . .
(PEAK DAY 1, HOUR 10.000)
106.083 445.3270 247.55 .Q . V . . .
(PEAK DAY 1, HOUR 10.083)
106.167 447.0453 249.50 .Q . V . . .
(PEAK DAY 1, HOUR 10.167)
106.250 448.7778 251.56 .Q . V . . .
(PEAK DAY 1, HOUR 10.250)
106.333 450.5243 253.59 .Q . V . . .
(PEAK DAY 1, HOUR 10.333)
106.417 452.2855 255.73 .Q . V . . .
(PEAK DAY 1, HOUR 10.417)
106.500 454.0613 257.85 .Q . V . . .
(PEAK DAY 1, HOUR 10.500)
106.583 455.8526 260.09 .Q . V . . .
(PEAK DAY 1, HOUR 10.583)
106.667 457.6592 262.31 .Q . V . . .

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 (PEAK DAY 1, HOUR  10.667)
106.750    459.4819    264.66  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    461.3206    266.98  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    463.1761    269.43  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    465.0485    271.86  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    466.9386    274.44  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    468.8462    276.99  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    470.7725    279.69  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    472.7172    282.37  .Q        .  V      .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    474.6815    285.22  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    476.6653    288.04  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    478.6697    291.04  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    480.6945    294.01  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    482.7412    297.18  .Q        .   V     .         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    484.8095    300.32  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    486.9009    303.66  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    489.0151    306.99  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    491.1629    311.85  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    493.3578    318.70  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    495.6128    327.43  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    497.9373    337.51  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    500.3565    351.28  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    502.9208    372.33  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    505.6788    400.46  . Q       .   V     .         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    508.5465    416.38  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    511.4977    428.52  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    514.5228    439.25  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    517.6188    449.53  . Q       .    V    .         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    520.7769    458.57  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    523.9986    467.78  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    527.2792    476.34  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    530.6198    485.05  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    534.0172    493.30  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    537.4725    501.71  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    540.9849    510.01  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    544.5577    518.76  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    548.1929    527.83  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    551.8967    537.80  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    555.6750    548.61  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    559.5393    561.10  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    563.5055    575.89  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    567.6367    599.85  .  Q      .    V    .         .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    571.9971    633.13  .   Q     .    V    .         .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    576.6469    675.16  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    581.6292    723.42  .   Q     .     V   .         .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    587.0558    787.96  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    593.1316    882.20  .    Q    .     V   .         .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    600.0605   1006.08  .     Q   .     V   .         .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    607.5073   1081.27  .      Q  .     V   .         .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    615.3788   1142.94  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    623.6427   1199.92  .      Q  .      V  .         .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    632.3015   1257.25  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  14.917)
111.000    641.3297   1310.90  .       Q .      V  .         .         .
 (PEAK DAY 1, HOUR  15.000)
111.083    650.7525   1368.19  .        Q.       V.         .         .
 (PEAK DAY 1, HOUR  15.083)
111.167    660.5641   1424.65  .        Q.       V.         .         .
 (PEAK DAY 1, HOUR  15.167)
111.250    670.7954   1485.58  .        Q.       V.         .         .
 (PEAK DAY 1, HOUR  15.250)
111.333    681.4521   1547.35  .         Q       V          .         .
 (PEAK DAY 1, HOUR  15.333)
111.417    692.4865   1602.19  .         Q       V          .         .
 (PEAK DAY 1, HOUR  15.417)
111.500    703.7880   1640.98  .         Q       V          .         .
 (PEAK DAY 1, HOUR  15.500)
111.583    715.3125   1673.36  .         .Q      .V         .         .
 (PEAK DAY 1, HOUR  15.583)
111.667    727.0179   1699.63  .         .Q      .V         .         .
 (PEAK DAY 1, HOUR  15.667)
111.750    738.8018   1711.01  .         .Q      .V         .         .
 (PEAK DAY 1, HOUR  15.750)
111.833    750.3088   1670.82  .         .Q      . V        .         .
 (PEAK DAY 1, HOUR  15.833)
111.917    761.3641   1605.23  .         Q       . V        .         .
 (PEAK DAY 1, HOUR  15.917)
112.000    773.2166   1720.98  .         .Q      . V        .         .
 (PEAK DAY 1, HOUR  16.000)
112.083    787.6506   2095.83  .         . Q     .  V       .         .
 (PEAK DAY 1, HOUR  16.083)
112.167    805.5228   2595.04  .         .     Q .  V       .         .
 (PEAK DAY 1, HOUR  16.167)
112.250    826.8217   3092.60  .         .       Q  V       .         .
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(PEAK DAY 1, HOUR  16.250)
112.333    851.4862   3581.29  .         .         .  Q V    .         .
(PEAK DAY 1, HOUR  16.333)
112.417    881.4889   4356.39  .         .         .     V  Q.         .
(PEAK DAY 1, HOUR  16.417)
112.500    918.5853   5386.39  .         .         .      V  .    Q    .
(PEAK DAY 1, HOUR  16.500)
112.583    959.3612   5920.67  .         .         .       V .         Q.
(PEAK DAY 1, HOUR  16.583)
112.667    987.6366   4105.58  .         .         .      Q V.         .
(PEAK DAY 1, HOUR  16.667)
112.750   1010.3043   3291.35  .         .         .Q       V.         .
(PEAK DAY 1, HOUR  16.750)
112.833   1030.8092   2977.31  .         .        Q.         V         .
(PEAK DAY 1, HOUR  16.833)
112.917   1050.5244   2862.65  .         .        Q.         .V        .
(PEAK DAY 1, HOUR  16.917)
113.000   1068.5797   2621.62  .         .      Q  .         .V        .
(PEAK DAY 1, HOUR  17.000)
113.083   1085.6752   2482.26  .         .     Q   .         . V       .
(PEAK DAY 1, HOUR  17.083)
113.167   1101.4352   2288.35  .         .    Q    .         . V       .
(PEAK DAY 1, HOUR  17.167)
113.250   1116.1786   2140.74  .         .   Q     .         .  V      .
(PEAK DAY 1, HOUR  17.250)
113.333   1129.7296   1967.61  .         .  Q      .         .  V      .
(PEAK DAY 1, HOUR  17.333)
113.417   1142.2047   1811.39  .         . Q       .         .  V      .
(PEAK DAY 1, HOUR  17.417)
113.500   1153.5441   1646.47  .         Q         .         .   V     .
(PEAK DAY 1, HOUR  17.500)
113.583   1163.5334   1450.46  .        Q.         .         .   V     .
(PEAK DAY 1, HOUR  17.583)
113.667   1172.5961   1315.90  .       Q .         .         .   V     .
(PEAK DAY 1, HOUR  17.667)
113.750   1180.7742   1187.47  .      Q  .         .         .   V     .
(PEAK DAY 1, HOUR  17.750)
113.833   1188.3428   1098.97  .      Q  .         .         .    V    .
(PEAK DAY 1, HOUR  17.833)
113.917   1195.1809    992.90  .     Q   .         .         .    V    .
(PEAK DAY 1, HOUR  17.917)
114.000   1201.5406    923.43  .     Q   .         .         .    V    .
(PEAK DAY 1, HOUR  18.000)
114.083   1207.5148    867.45  .    Q    .         .         .    V    .
(PEAK DAY 1, HOUR  18.083)
114.167   1213.0623    805.49  .    Q    .         .         .    V    .
(PEAK DAY 1, HOUR  18.167)
114.250   1217.9187    705.16  .   Q     .         .         .     V   .
(PEAK DAY 1, HOUR  18.250)
114.333   1222.3934    649.72  .   Q     .         .         .     V   .
(PEAK DAY 1, HOUR  18.333)
114.417   1226.6042    611.41  .   Q     .         .         .     V   .
(PEAK DAY 1, HOUR  18.417)
114.500   1230.5360    570.89  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.500)
114.583   1234.1427    523.70  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.583)
114.667   1237.5232    490.85  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.667)
114.750   1240.7266    465.13  .  Q      .         .         .     V   .
(PEAK DAY 1, HOUR  18.750)
114.833   1243.7743    442.53  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.833)
114.917   1246.6890    423.21  . Q       .         .         .     V   .
(PEAK DAY 1, HOUR  18.917)
115.000   1249.4896    406.65  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.000)
115.083   1252.1827    391.04  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.083)
115.167   1254.7800    377.13  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.167)
115.250   1257.2983    365.66  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.250)
115.333   1259.7471    355.55  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.333)
115.417   1262.1309    346.13  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.417)
115.500   1264.4535    337.25  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.500)
115.583   1266.7238    329.64  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.583)
115.667   1268.9454    322.58  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.667)
115.750   1271.1208    315.86  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.750)
115.833   1273.2506    309.24  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.833)
115.917   1275.3348    302.63  . Q       .         .         .      V  .
(PEAK DAY 1, HOUR  19.917)
116.000   1277.3728    295.92  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  20.000)
116.083   1279.3585    288.33  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  20.083)
116.167   1281.2833    279.48  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  20.167)
116.250   1283.0889    262.17  .Q        .         .         .      V  .
(PEAK DAY 1, HOUR  20.250)
116.333   1284.8326    253.19  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.333)
116.417   1286.5421    248.21  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.417)
116.500   1288.2225    243.99  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.500)
116.583   1289.8712    239.39  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.583)
116.667   1291.4889    234.89  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.667)
116.750   1293.0773    230.63  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.750)
116.833   1294.6378    226.60  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.833)
116.917   1296.1719    222.75  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  20.917)
117.000   1297.6807    219.07  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.000)
117.083   1299.1652    215.55  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.083)
117.167   1300.6263    212.16  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.167)
117.250   1302.0674    209.23  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.250)
117.333   1303.4897    206.52  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.333)
117.417   1304.8942    203.92  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.417)
117.500   1306.2814    201.43  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.500)
117.583   1307.6521    199.02  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.583)
117.667   1309.0067    196.69  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.667)
117.750   1310.3457    194.42  .Q        .         .         .       V .
(PEAK DAY 1, HOUR  21.750)
117.833   1311.6696    192.22  .Q        .         .         .       V .
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(PEAK DAY 1, HOUR 21.833)								
117.917	1312.9786	190.08	.Q	.	.	.	V	.
(PEAK DAY 1, HOUR 21.917)								
118.000	1314.2734	188.00	.Q	.	.	.	V	.
(PEAK DAY 1, HOUR 22.000)								
118.083	1315.5542	185.97	.Q	.	.	.	V	.
(PEAK DAY 1, HOUR 22.083)								
118.167	1316.8214	184.00	.Q	.	.	.	V	.
(PEAK DAY 1, HOUR 22.167)								
118.250	1318.0759	182.15	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.250)								
118.333	1319.3182	180.38	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.333)								
118.417	1320.5486	178.65	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.417)								
118.500	1321.7673	176.97	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.500)								
118.583	1322.9749	175.33	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.583)								
118.667	1324.1713	173.72	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.667)								
118.750	1325.3569	172.16	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.750)								
118.833	1326.5321	170.63	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.833)								
118.917	1327.6970	169.14	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 22.917)								
119.000	1328.8518	167.68	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.000)								
119.083	1329.9968	166.25	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.083)								
119.167	1331.1322	164.86	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.167)								
119.250	1332.2582	163.49	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.250)								
119.333	1333.3750	162.16	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.333)								
119.417	1334.4828	160.85	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.417)								
119.500	1335.5818	159.57	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.500)								
119.583	1336.6721	158.32	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.583)								
119.667	1337.7540	157.09	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.667)								
119.750	1338.8276	155.89	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.750)								
119.833	1339.8932	154.71	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.833)								
119.917	1340.9507	153.56	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 23.917)								
120.000	1342.0004	152.42	.Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.000)								
120.083	1343.0322	149.83	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.083)								
120.167	1344.0309	145.01	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.167)								
120.250	1344.9840	138.40	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.250)								
120.333	1345.8815	130.31	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.333)								
120.417	1346.6971	118.44	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.417)								
120.500	1347.3754	98.47	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.500)								
120.583	1347.8645	71.03	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.583)								
120.667	1348.2611	57.59	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.667)								
120.750	1348.5978	48.88	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.750)								
120.833	1348.8857	41.82	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.833)								
120.917	1349.1318	35.73	Q	.	.	.		V.
(PEAK DAY 1, HOUR 24.917)								
121.000	1349.3459	31.08	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.000)								
121.083	1349.5298	26.69	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.083)								
121.167	1349.6888	23.09	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.167)								
121.250	1349.8254	19.83	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.250)								
121.333	1349.9432	17.11	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.333)								
121.417	1350.0448	14.75	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.417)								
121.500	1350.1313	12.57	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.500)								
121.583	1350.2050	10.70	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.583)								
121.667	1350.2670	9.01	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.667)								
121.750	1350.3198	7.67	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.750)								
121.833	1350.3639	6.41	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.833)								
121.917	1350.4017	5.50	Q	.	.	.		V.
(PEAK DAY 1, HOUR 25.917)								
122.000	1350.4342	4.72	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.000)								
122.083	1350.4614	3.95	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.083)								
122.167	1350.4838	3.24	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.167)								
122.250	1350.5044	2.99	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.250)								
122.333	1350.5240	2.85	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.333)								
122.417	1350.5427	2.71	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.417)								
122.500	1350.5604	2.57	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.500)								
122.583	1350.5771	2.44	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.583)								
122.667	1350.5930	2.30	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.667)								
122.750	1350.6079	2.17	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.750)								
122.833	1350.6219	2.03	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.833)								
122.917	1350.6350	1.90	Q	.	.	.		V.
(PEAK DAY 1, HOUR 26.917)								
123.000	1350.6472	1.77	Q	.	.	.		V.
(PEAK DAY 1, HOUR 27.000)								
123.083	1350.6584	1.64	Q	.	.	.		V.
(PEAK DAY 1, HOUR 27.083)								
123.167	1350.6688	1.51	Q	.	.	.		V.
(PEAK DAY 1, HOUR 27.167)								
123.250	1350.6783	1.38	Q	.	.	.		V.
(PEAK DAY 1, HOUR 27.250)								
123.333	1350.6870	1.25	Q	.	.	.		V.
(PEAK DAY 1, HOUR 27.333)								
123.417	1350.6947	1.13	Q	.	.	.		V.

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(PEAK DAY 1, HOUR  27.417)
123.500   1350.7015      1.00  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.500)
123.583   1350.7075      0.88  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.583)
123.667   1350.7126      0.75  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.667)
123.750   1350.7169      0.63  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.750)
123.833   1350.7205      0.51  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.833)
123.917   1350.7231      0.38  Q         .         .         .        V.
(PEAK DAY 1, HOUR  27.917)
124.000   1350.7250      0.26  Q         .         .         .        V.
(PEAK DAY 1, HOUR  28.000)


**************************************************************************
 FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE = 3.1
--------------------------------------------------------------------------
 >>>>>FLOW-THROUGH DETENTION BASIN ROUTING MODEL APPLIED TO STREAM #1<<<<<
==========================================================================
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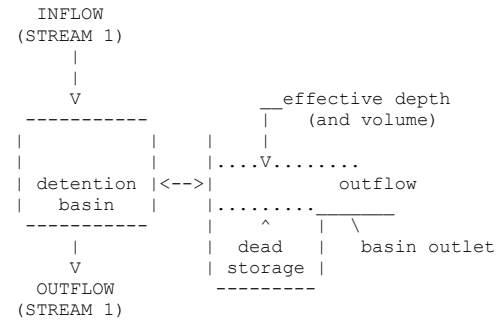


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        ROUTE RUNOFF HYDROGRAPH FROM STREAM NUMBER 1
        THROUGH A FLOW-THROUGH DETENTION BASIN
        SPECIFIED BASIN CONDITIONS ARE AS FOLLOWS:
          DEAD STORAGE(AF) =      0.000
          SPECIFIED DEAD STORAGE(AF) FILLED =      0.000
          SPECIFIED EFFECTIVE VOLUME(AF) FILLED ABOVE OUTLET =      0.000
          DETENTION BASIN CONSTANT LOSS RATE(CFS) =    0.00


        BASIN DEPTH VERSUS OUTFLOW AND STORAGE INFORMATION:
```

INTERVAL NUMBER	DEPTH (FT)	OUTFLOW (CFS)	STORAGE (AF)
1	0.00	0.00	0.000
2	4.00	175.20	0.700
3	5.00	199.20	2.000
4	6.00	220.50	4.900
5	7.00	240.40	9.900
6	9.00	276.50	27.900
7	11.00	308.80	52.600
8	13.00	338.30	79.200
9	15.00	365.70	127.100
10	17.00	391.10	183.000
11	19.00	415.40	240.600
12	21.00	438.20	299.900
13	23.00	460.70	361.000
14	25.00	472.30	424.000
15	27.00	485.40	489.000
16	29.00	500.00	555.800
17	31.00	515.60	624.500

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==========================================================================
 MODIFIED-PULS BASIN ROUTING MODEL RESULTS(5-MINUTE COMPUTATION INTERVALS):
 (Note: Computed EFFECTIVE DEPTH and VOLUME are estimated at the clock time;
        MEAN OUTFLOW is the average value during the unit interval.)
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PEAK DAY	TIME (HRS)	CLOCK TIME (HRS)	DEAD-STORAGE FILLED(AF)	INFLOW (CFS)	LOSS (CFS)	EFFECTIVE DEPTH(FT)	MEAN OUTFLOW (CFS)	EFFECTIVE VOLUME(AF)
1	0.001	96.001	0.000	32.46	0.00	0.74	32.6	0.130
1	0.084	96.084	0.000	33.40	0.00	0.76	32.9	0.133
1	0.167	96.167	0.000	36.12	0.00	0.82	34.6	0.143
1	0.251	96.251	0.000	40.31	0.00	0.91	37.9	0.160
1	0.334	96.334	0.000	45.75	0.00	1.03	42.7	0.181
1	0.417	96.417	0.000	54.25	0.00	1.22	49.5	0.214
1	0.501	96.501	0.000	69.27	0.00	1.55	60.8	0.272
1	0.584	96.584	0.000	90.38	0.00	2.03	78.4	0.355
1	0.667	96.667	0.000	100.72	0.00	2.28	94.3	0.399
1	0.751	96.751	0.000	107.48	0.00	2.44	103.4	0.427
1	0.834	96.834	0.000	113.01	0.00	2.57	109.7	0.450
1	0.917	96.917	0.000	117.88	0.00	2.68	115.0	0.469
1	1.001	97.001	0.000	121.65	0.00	2.77	119.4	0.485
1	1.084	97.084	0.000	125.29	0.00	2.85	123.2	0.499
1	1.167	97.167	0.000	128.33	0.00	2.92	126.5	0.512
1	1.251	97.251	0.000	131.18	0.00	2.99	129.5	0.523
1	1.334	97.334	0.000	133.60	0.00	3.05	132.2	0.533
1	1.417	97.417	0.000	135.80	0.00	3.10	134.5	0.542
1	1.501	97.501	0.000	137.86	0.00	3.14	136.7	0.550
1	1.584	97.584	0.000	139.73	0.00	3.19	138.6	0.558
1	1.667	97.667	0.000	141.46	0.00	3.23	140.4	0.565
1	1.751	97.751	0.000	142.95	0.00	3.26	142.1	0.571
1	1.834	97.834	0.000	144.38	0.00	3.29	143.5	0.576
1	1.917	97.917	0.000	145.57	0.00	3.32	144.9	0.581
1	2.001	98.001	0.000	146.65	0.00	3.35	146.0	0.586
1	2.084	98.084	0.000	147.75	0.00	3.37	147.1	0.590
1	2.167	98.167	0.000	148.81	0.00	3.40	148.2	0.594
1	2.251	98.251	0.000	149.52	0.00	3.41	149.1	0.597
1	2.334	98.334	0.000	150.15	0.00	3.43	149.8	0.600
1	2.417	98.417	0.000	150.79	0.00	3.44	150.4	0.602
1	2.501	98.501	0.000	151.43	0.00	3.46	151.1	0.605
1	2.584	98.584	0.000	152.09	0.00	3.47	151.7	0.607
1	2.667	98.667	0.000	152.73	0.00	3.49	152.4	0.610
1	2.751	98.751	0.000	153.40	0.00	3.50	153.0	0.613
1	2.834	98.834	0.000	154.06	0.00	3.52	153.7	0.615
1	2.917	98.917	0.000	154.74	0.00	3.53	154.3	0.618
1	3.001	99.001	0.000	155.41	0.00	3.55	155.0	0.621
1	3.084	99.084	0.000	156.11	0.00	3.56	155.7	0.624
1	3.167	99.167	0.000	156.79	0.00	3.58	156.4	0.626
1	3.251	99.251	0.000	157.50	0.00	3.59	157.1	0.629
1	3.334	99.334	0.000	158.20	0.00	3.61	157.8	0.632
1	3.417	99.417	0.000	158.93	0.00	3.63	158.5	0.635
1	3.501	99.501	0.000	159.64	0.00	3.64	159.2	0.638
1	3.584	99.584	0.000	160.37	0.00	3.66	159.9	0.641
1	3.667	99.667	0.000	161.10	0.00	3.68	160.7	0.643
1	3.751	99.751	0.000	161.85	0.00	3.69	161.4	0.646
1	3.834	99.834	0.000	162.59	0.00	3.71	162.2	0.649
1	3.917	99.917	0.000	163.36	0.00	3.73	162.9	0.652
1	4.001	100.001	0.000	164.11	0.00	3.75	163.7	0.655
1	4.084	100.084	0.000	164.90	0.00	3.76	164.4	0.659
1	4.167	100.167	0.000	165.67	0.00	3.78	165.2	0.662
1	4.251	100.251	0.000	166.39	0.00	3.80	166.0	0.665

1	4.334	100.334	0.000	167.09	0.00	3.81	166.7	0.667
1	4.417	100.417	0.000	167.81	0.00	3.83	167.4	0.670
1	4.501	100.501	0.000	168.52	0.00	3.85	168.1	0.673
1	4.584	100.584	0.000	169.26	0.00	3.86	168.8	0.676
1	4.667	100.667	0.000	169.98	0.00	3.88	169.6	0.679
1	4.751	100.751	0.000	170.74	0.00	3.90	170.3	0.682
1	4.834	100.834	0.000	171.48	0.00	3.91	171.0	0.685
1	4.917	100.917	0.000	172.25	0.00	3.93	171.8	0.688
1	5.001	101.001	0.000	173.01	0.00	3.95	172.6	0.691
1	5.084	101.084	0.000	173.80	0.00	3.97	173.3	0.694
1	5.167	101.167	0.000	174.57	0.00	3.98	174.1	0.697
1	5.251	101.251	0.000	175.38	0.00	4.00	174.9	0.701
1	5.334	101.334	0.000	176.18	0.00	4.01	175.3	0.707
1	5.417	101.417	0.000	177.01	0.00	4.01	175.4	0.718
1	5.501	101.501	0.000	177.82	0.00	4.03	175.7	0.733
1	5.584	101.584	0.000	178.67	0.00	4.04	176.0	0.751
1	5.667	101.667	0.000	179.50	0.00	4.06	176.3	0.773
1	5.751	101.751	0.000	180.37	0.00	4.08	176.8	0.798
1	5.834	101.834	0.000	181.23	0.00	4.10	177.3	0.825
1	5.917	101.917	0.000	182.12	0.00	4.12	177.8	0.855
1	6.001	102.001	0.000	183.00	0.00	4.14	178.4	0.887
1	6.084	102.084	0.000	183.91	0.00	4.17	179.0	0.921
1	6.167	102.167	0.000	184.81	0.00	4.20	179.6	0.957
1	6.251	102.251	0.000	185.75	0.00	4.23	180.3	0.994
1	6.334	102.334	0.000	186.67	0.00	4.26	181.0	1.033
1	6.417	102.417	0.000	187.63	0.00	4.29	181.7	1.074
1	6.501	102.501	0.000	188.58	0.00	4.32	182.5	1.116
1	6.584	102.584	0.000	189.57	0.00	4.35	183.3	1.159
1	6.667	102.667	0.000	190.54	0.00	4.39	184.1	1.204
1	6.751	102.751	0.000	191.56	0.00	4.42	184.9	1.249
1	6.834	102.834	0.000	192.56	0.00	4.46	185.8	1.296
1	6.917	102.917	0.000	193.60	0.00	4.50	186.6	1.344
1	7.001	103.001	0.000	194.63	0.00	4.53	187.5	1.393
1	7.084	103.084	0.000	195.71	0.00	4.57	188.5	1.443
1	7.167	103.167	0.000	196.76	0.00	4.61	189.4	1.494
1	7.251	103.251	0.000	197.87	0.00	4.65	190.3	1.546
1	7.334	103.334	0.000	198.95	0.00	4.69	191.3	1.598
1	7.417	103.417	0.000	200.09	0.00	4.73	192.3	1.652
1	7.501	103.501	0.000	201.21	0.00	4.77	193.3	1.707
1	7.584	103.584	0.000	202.38	0.00	4.82	194.3	1.762
1	7.667	103.667	0.000	203.53	0.00	4.86	195.3	1.819
1	7.751	103.751	0.000	204.74	0.00	4.90	196.4	1.876
1	7.834	103.834	0.000	205.93	0.00	4.95	197.5	1.935
1	7.917	103.917	0.000	207.17	0.00	5.00	198.5	1.994
1	8.001	104.001	0.000	208.40	0.00	5.02	199.4	2.056
1	8.084	104.084	0.000	209.68	0.00	5.04	199.9	2.124
1	8.167	104.167	0.000	210.95	0.00	5.07	200.4	2.197
1	8.251	104.251	0.000	212.27	0.00	5.09	200.9	2.275
1	8.334	104.334	0.000	213.58	0.00	5.12	201.5	2.358
1	8.418	104.418	0.000	214.95	0.00	5.15	202.2	2.446
1	8.501	104.501	0.000	216.29	0.00	5.19	202.8	2.539
1	8.584	104.584	0.000	217.71	0.00	5.22	203.5	2.637
1	8.668	104.668	0.000	219.10	0.00	5.25	204.3	2.739
1	8.751	104.751	0.000	220.57	0.00	5.29	205.0	2.846
1	8.834	104.834	0.000	222.01	0.00	5.33	205.8	2.957
1	8.918	104.918	0.000	223.52	0.00	5.37	206.7	3.074
1	9.001	105.001	0.000	225.02	0.00	5.41	207.5	3.194
1	9.084	105.084	0.000	226.59	0.00	5.45	208.4	3.319
1	9.168	105.168	0.000	228.13	0.00	5.50	209.4	3.448
1	9.251	105.251	0.000	229.76	0.00	5.55	210.3	3.582
1	9.334	105.334	0.000	231.36	0.00	5.59	211.3	3.720
1	9.418	105.418	0.000	233.05	0.00	5.64	212.4	3.863
1	9.501	105.501	0.000	234.71	0.00	5.69	213.4	4.009
1	9.584	105.584	0.000	236.47	0.00	5.74	214.5	4.160
1	9.668	105.668	0.000	238.19	0.00	5.80	215.6	4.316
1	9.751	105.751	0.000	240.02	0.00	5.85	216.8	4.476
1	9.834	105.834	0.000	241.81	0.00	5.91	218.0	4.640
1	9.918	105.918	0.000	243.71	0.00	5.97	219.2	4.809
1	10.001	106.001	0.000	245.58	0.00	6.02	220.3	4.982
1	10.084	106.084	0.000	247.55	0.00	6.05	221.2	5.164
1	10.168	106.168	0.000	249.50	0.00	6.09	221.9	5.354
1	10.251	106.251	0.000	251.56	0.00	6.13	222.7	5.553
1	10.334	106.334	0.000	253.59	0.00	6.17	223.5	5.760
1	10.418	106.418	0.000	255.73	0.00	6.22	224.4	5.976
1	10.501	106.501	0.000	257.85	0.00	6.26	225.2	6.201
1	10.584	106.584	0.000	260.09	0.00	6.31	226.1	6.434
1	10.668	106.668	0.000	262.31	0.00	6.36	227.1	6.677
1	10.751	106.751	0.000	264.66	0.00	6.41	228.1	6.929
1	10.834	106.834	0.000	266.98	0.00	6.46	229.1	7.190
1	10.918	106.918	0.000	269.43	0.00	6.51	230.2	7.460
1	11.001	107.001	0.000	271.86	0.00	6.57	231.2	7.740
1	11.084	107.084	0.000	274.44	0.00	6.63	232.4	8.030
1	11.168	107.168	0.000	276.99	0.00	6.69	233.6	8.329
1	11.251	107.251	0.000	279.69	0.00	6.75	234.8	8.638
1	11.334	107.334	0.000	282.37	0.00	6.81	236.0	8.958
1	11.418	107.418	0.000	285.22	0.00	6.88	237.3	9.288
1	11.501	107.501	0.000	288.04	0.00	6.95	238.6	9.628
1	11.584	107.584	0.000	291.04	0.00	7.01	239.9	9.980
1	11.668	107.668	0.000	294.01	0.00	7.05	240.9	10.345
1	11.751	107.751	0.000	297.18	0.00	7.09	241.7	10.728
1	11.834	107.834	0.000	300.32	0.00	7.14	242.5	11.126
1	11.918	107.918	0.000	303.66	0.00	7.18	243.3	11.542
1	12.001	108.001	0.000	306.99	0.00	7.23	244.1	11.975
1	12.084	108.084	0.000	311.85	0.00	7.28	245.0	12.435
1	12.168	108.168	0.000	318.70	0.00	7.34	246.0	12.936
1	12.251	108.251	0.000	327.43	0.00	7.40	247.0	13.490
1	12.334	108.334	0.000	337.51	0.00	7.47	248.2	14.105
1	12.418	108.418	0.000	351.28	0.00	7.55	249.5	14.805
1	12.501	108.501	0.000	372.33	0.00	7.64	251.1	15.640
1	12.584	108.584	0.000	400.46	0.00	7.75	252.9	16.656
1	12.668	108.668	0.000	416.38	0.00	7.87	255.1	17.767
1	12.751	108.751	0.000	428.52	0.00	8.01	257.4	18.946
1	12.834	108.834	0.000	439.25	0.00	8.14	259.8	20.182
1	12.918	108.918	0.000	449.53	0.00	8.29	262.3	21.472
1	13.001	109.001	0.000	458.57	0.00	8.43	264.9	22.805
1	13.084	109.084	0.000	467.78	0.00	8.59	267.7	24.183
1	13.168	109.168	0.000	476.34	0.00	8.74	270.5	25.601
1	13.251	109.251	0.000	485.05	0.00	8.91	273.4	27.059
1	13.334	109.334	0.000	493.30	0.00	9.05	276.1	28.555
1	13.418	109.418	0.000	501.71	0.00	9.18	278.4	30.093
1	13.501	109.501	0.000	510.01	0.00	9.31	280.4	31.675
1	13.584	109.584	0.000	518.76	0.00	9.44	282.5	33.302
1	13.668	109.668	0.000	527.83	0.00	9.57	284.7	34.976
1	13.751	109.751	0.000	537.80	0.00	9.71	286.9	36.705
1	13.834	109.834	0.000	548.61	0.00	9.86	289.2	38.491
1	13.918	109.918	0.000	561.10	0.00	10.01	291.6	40.348
1	14.001	110.001	0.000	575.89	0.00	10.17	294.0	42.289
1	14.084	110.084	0.000	599.85	0.00	10.33	296.7	44.377
1	14.168	110.168	0.000	633.13	0.00	10.52	299.5	46.674
1	14.251	110.251	0.000	675.16	0.00	10.73	302.7	49.239
1	14.334	110.334	0.000	723.42	0.00	10.96	306.3	52.112
1	14.418	110.418	0.000	787.96	0.00	11.21	310.0	55.403
1	14.501	110.501	0.000	882.20	0.00	11.50	314.1	59.316
1	14.584	110.584	0.000	1006.08	0.00	11.86	318.9	64.049
1	14.668	110.668	0.000	1081.27	0.00	12.25	324.4	69.261
1	14.751	110.751	0.000	1142.94	0.00	12.67	330.4	74.858
1	14.834	110.834	0.000	1199.92	0.00	13.07	336.4	80.805
1	14.918	110.918	0.000	1257.25	0.00	13.33	341.0	87.115
1	15.001	111.001	0.000	1310.90	0.00	13.61	344.7	93.769
1	15.084	111.084	0.000	1368.19	0.00	13.90	348.6	100.791
1	15.168	111.168	0.000	1424.65	0.00	14.21	352.8	108.173
1	15.251	111.251	0.000	1485.58	0.00	14.53	357.1	115.945
1	15.334	111.334	0.000	1547.35	0.00	14.88	361.7	124.111
1	15.418	111.418	0.000	1602.19	0.00	15.20	366.1	132.624

1	15.501	111.501	0.000	1640.98	0.00	15.51	370.2	141.376
1	15.584	111.584	0.000	1673.36	0.00	15.83	374.2	150.323
1	15.668	111.668	0.000	1699.63	0.00	16.16	378.3	159.423
1	15.751	111.751	0.000	1711.01	0.00	16.48	382.5	168.573
1	15.834	111.834	0.000	1670.82	0.00	16.80	386.6	177.418
1	15.918	111.918	0.000	1605.23	0.00	17.10	390.4	185.784
1	16.001	112.001	0.000	1720.98	0.00	17.41	394.2	194.922
1	16.084	112.084	0.000	2095.83	0.00	17.82	398.6	206.611
1	16.168	112.168	0.000	2595.04	0.00	18.34	404.2	221.699
1	16.251	112.251	0.000	3092.60	0.00	18.98	411.3	240.165
1	16.334	112.334	0.000	3581.29	0.00	19.72	419.4	261.941
1	16.418	112.418	0.000	4356.39	0.00	20.63	428.8	288.990
1	16.501	112.501	0.000	5386.39	0.00	21.76	440.4	323.054
1	16.584	112.584	0.000	5920.67	0.00	22.99	453.7	360.706
1	16.668	112.668	0.000	4105.58	0.00	23.79	462.9	385.793
1	16.751	112.751	0.000	3291.35	0.00	24.40	467.1	405.244
1	16.834	112.834	0.000	2977.31	0.00	24.95	470.4	422.509
1	16.918	112.918	0.000	2862.65	0.00	25.46	473.7	438.962
1	17.001	113.001	0.000	2621.62	0.00	25.91	476.8	453.733
1	17.084	113.084	0.000	2482.26	0.00	26.34	479.7	467.525
1	17.168	113.168	0.000	2288.35	0.00	26.72	482.3	479.963
1	17.251	113.251	0.000	2140.74	0.00	27.07	484.7	491.368
1	17.334	113.334	0.000	1967.61	0.00	27.38	487.0	501.565
1	17.418	113.418	0.000	1811.39	0.00	27.65	489.1	510.671
1	17.501	113.501	0.000	1646.47	0.00	27.89	491.0	518.629
1	17.584	113.584	0.000	1450.46	0.00	28.08	492.6	525.226
1	17.668	113.668	0.000	1315.90	0.00	28.25	493.9	530.887
1	17.751	113.751	0.000	1187.47	0.00	28.40	495.1	535.656
1	17.834	113.834	0.000	1098.97	0.00	28.52	496.1	539.808
1	17.918	113.918	0.000	992.90	0.00	28.62	496.9	543.224
1	18.001	114.001	0.000	923.43	0.00	28.71	497.6	546.157
1	18.084	114.084	0.000	867.45	0.00	28.79	498.2	548.700
1	18.168	114.168	0.000	805.49	0.00	28.85	498.7	550.813
1	18.251	114.251	0.000	705.16	0.00	28.89	499.1	552.233
1	18.334	114.334	0.000	649.72	0.00	28.92	499.3	553.268
1	18.418	114.418	0.000	611.41	0.00	28.95	499.5	554.039
1	18.501	114.501	0.000	570.89	0.00	28.96	499.7	554.530
1	18.584	114.584	0.000	523.70	0.00	28.97	499.7	554.695
1	18.668	114.668	0.000	490.85	0.00	28.97	499.8	554.633
1	18.751	114.751	0.000	465.13	0.00	28.96	499.7	554.395
1	18.834	114.834	0.000	442.53	0.00	28.95	499.6	554.002
1	18.918	114.918	0.000	423.21	0.00	28.93	499.5	553.476
1	19.001	115.001	0.000	406.65	0.00	28.91	499.4	552.837
1	19.084	115.084	0.000	391.04	0.00	28.89	499.3	552.092
1	19.168	115.168	0.000	377.13	0.00	28.86	499.1	551.252
1	19.251	115.251	0.000	365.66	0.00	28.84	498.9	550.334
1	19.335	115.335	0.000	355.55	0.00	28.81	498.7	549.348
1	19.418	115.418	0.000	346.13	0.00	28.78	498.5	548.299
1	19.501	115.501	0.000	337.25	0.00	28.74	498.2	547.190
1	19.585	115.585	0.000	329.64	0.00	28.71	498.0	546.031
1	19.668	115.668	0.000	322.58	0.00	28.67	497.7	544.825
1	19.751	115.751	0.000	315.86	0.00	28.63	497.5	543.574
1	19.835	115.835	0.000	309.24	0.00	28.60	497.2	542.280
1	19.918	115.918	0.000	302.63	0.00	28.56	496.9	540.942
1	20.001	116.001	0.000	295.92	0.00	28.51	496.6	539.560
1	20.085	116.085	0.000	288.33	0.00	28.47	496.3	538.127
1	20.168	116.168	0.000	279.48	0.00	28.43	496.0	536.636
1	20.251	116.251	0.000	262.17	0.00	28.38	495.6	535.029
1	20.335	116.335	0.000	253.19	0.00	28.33	495.3	533.361
1	20.418	116.418	0.000	248.21	0.00	28.28	494.9	531.662
1	20.501	116.501	0.000	243.99	0.00	28.23	494.5	529.937
1	20.585	116.585	0.000	239.39	0.00	28.17	494.2	528.182
1	20.668	116.668	0.000	234.89	0.00	28.12	493.8	526.399
1	20.751	116.751	0.000	230.63	0.00	28.07	493.4	524.590
1	20.835	116.835	0.000	226.60	0.00	28.01	493.0	522.755
1	20.918	116.918	0.000	222.75	0.00	27.95	492.6	520.897
1	21.001	117.001	0.000	219.07	0.00	27.90	492.2	519.016
1	21.085	117.085	0.000	215.55	0.00	27.84	491.8	517.114
1	21.168	117.168	0.000	212.16	0.00	27.78	491.3	515.191
1	21.251	117.251	0.000	209.23	0.00	27.73	490.9	513.251
1	21.335	117.335	0.000	206.52	0.00	27.67	490.5	511.296
1	21.418	117.418	0.000	203.92	0.00	27.61	490.1	509.325
1	21.501	117.501	0.000	201.43	0.00	27.55	489.6	507.340
1	21.585	117.585	0.000	199.02	0.00	27.49	489.2	505.342
1	21.668	117.668	0.000	196.69	0.00	27.43	488.8	503.330
1	21.751	117.751	0.000	194.42	0.00	27.37	488.3	501.306
1	21.835	117.835	0.000	192.22	0.00	27.31	487.9	499.270
1	21.918	117.918	0.000	190.08	0.00	27.25	487.4	497.223
1	22.001	118.001	0.000	188.00	0.00	27.18	487.0	495.163
1	22.085	118.085	0.000	185.97	0.00	27.12	486.5	493.094
1	22.168	118.168	0.000	184.00	0.00	27.06	486.1	491.013
1	22.251	118.251	0.000	182.15	0.00	27.00	485.6	488.923
1	22.335	118.335	0.000	180.38	0.00	26.93	485.2	486.824
1	22.418	118.418	0.000	178.65	0.00	26.87	484.7	484.716
1	22.501	118.501	0.000	176.97	0.00	26.80	484.3	482.599
1	22.585	118.585	0.000	175.33	0.00	26.74	483.9	480.474
1	22.668	118.668	0.000	173.72	0.00	26.67	483.5	478.341
1	22.751	118.751	0.000	172.16	0.00	26.61	483.0	476.200
1	22.835	118.835	0.000	170.63	0.00	26.54	482.6	474.051
1	22.918	118.918	0.000	169.14	0.00	26.47	482.2	471.896
1	23.001	119.001	0.000	167.68	0.00	26.41	481.7	469.733
1	23.085	119.085	0.000	166.25	0.00	26.34	481.3	467.563
1	23.168	119.168	0.000	164.86	0.00	26.27	480.9	465.387
1	23.251	119.251	0.000	163.49	0.00	26.21	480.4	463.204
1	23.335	119.335	0.000	162.16	0.00	26.14	480.0	461.015
1	23.418	119.418	0.000	160.85	0.00	26.07	479.5	458.820
1	23.501	119.501	0.000	159.57	0.00	26.00	479.1	456.620
1	23.585	119.585	0.000	158.32	0.00	25.94	478.7	454.413
1	23.668	119.668	0.000	157.09	0.00	25.87	478.2	452.202
1	23.751	119.751	0.000	155.89	0.00	25.80	477.8	449.985
1	23.835	119.835	0.000	154.71	0.00	25.73	477.3	447.763
1	23.918	119.918	0.000	153.56	0.00	25.66	476.9	445.537
1	24.001	120.001	0.000	152.42	0.00	25.59	476.4	443.305
1	24.085	120.085	0.000	149.83	0.00	25.52	476.0	441.059
1	24.168	120.168	0.000	145.01	0.00	25.45	475.5	438.783
1	24.251	120.251	0.000	138.40	0.00	25.38	475.0	436.465
1	24.335	120.335	0.000	130.31	0.00	25.31	474.6	434.094
1	24.418	120.418	0.000	118.44	0.00	25.24	474.1	431.644
1	24.501	120.501	0.000	98.47	0.00	25.16	473.6	429.061
1	24.585	120.585	0.000	71.03	0.00	25.07	473.0	426.292
1	24.668	120.668	0.000	57.59	0.00	24.98	472.5	423.435
1	24.751	120.751	0.000	48.88	0.00	24.89	471.9	420.521
1	24.835	120.835	0.000	41.82	0.00	24.80	471.4	417.563
1	24.918	120.918	0.000	35.73	0.00	24.70	470.8	414.566
1	25.001	121.001	0.000	31.08	0.00	24.60	470.3	411.541
1	25.085	121.085	0.000	26.69	0.00	24.51	469.7	408.490
1	25.168	121.168	0.000	23.09	0.00	24.41	469.2	405.418
1	25.251	121.251	0.000	19.83	0.00	24.31	468.6	402.327
1	25.335	121.335	0.000	17.11	0.00	24.21	468.0	399.222
1	25.418	121.418	0.000	14.75	0.00	24.11	467.5	396.104
1	25.501	121.501	0.000	12.57	0.00	24.02	466.9	392.976
1	25.585	121.585	0.000	10.70	0.00	23.92	466.3	389.838
1	25.668	121.668	0.000	9.01	0.00	23.82	465.7	386.692
1	25.751	121.751	0.000	7.67	0.00	23.72	465.1	383.542
1	25.835	121.835	0.000	6.41	0.00	23.62	464.6	380.386
1	25.918	121.918	0.000	5.50	0.00	23.52	464.0	377.229
1	26.001	122.001	0.000	4.72	0.00	23.41	463.4	374.070
1	26.085	122.085	0.000	3.95	0.00	23.31	462.8	370.910
1	26.168	122.168	0.000	3.24	0.00	23.21	462.2	367.749
1	26.251	122.251	0.000	2.99	0.00	23.11	461.7	364.590
1	26.335	122.335	0.000	2.85	0.00	23.01	461.1	361.434
1	26.418	122.418	0.000	2.71	0.00	22.91	460.2	358.283
1	26.501	122.501	0.000	2.57	0.00	22.81	459.1	355.139
1	26.585	122.585	0.000	2.44	0.00	22.71	458.0	352.002

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  1  26.668 122.668        0.000     2.30     0.00     22.60    456.8    348.871
  1  26.751 122.751        0.000     2.17     0.00     22.50    455.7    345.748
  1  26.835 122.835        0.000     2.03     0.00     22.40    454.5    342.632
  1  26.918 122.918        0.000     1.90     0.00     22.30    453.4    339.523
  1  27.001 123.001        0.000     1.77     0.00     22.20    452.2    336.420
  1  27.085 123.085        0.000     1.64     0.00     22.09    451.1    333.325
  1  27.168 123.168        0.000     1.51     0.00     21.99    449.9    330.237
  1  27.251 123.251        0.000     1.38     0.00     21.89    448.8    327.155
  1  27.335 123.335        0.000     1.25     0.00     21.79    447.7    324.081
  1  27.418 123.418        0.000     1.13     0.00     21.69    446.5    321.013
  1  27.501 123.501        0.000     1.00     0.00     21.59    445.4    317.952
  1  27.585 123.585        0.000     0.88     0.00     21.49    444.3    314.899
  1  27.668 123.668        0.000     0.75     0.00     21.39    443.2    311.852
  1  27.751 123.751        0.000     0.63     0.00     21.29    442.0    308.812
  1  27.835 123.835        0.000     0.51     0.00     21.19    440.9    305.779
  1  27.918 123.918        0.000     0.38     0.00     21.09    439.8    302.752

  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
--------------------------------------------------------------------------------
  PROCESS SUMMARY OF STORAGE:
    INFLOW  VOLUME =   1350.726 AF
    BASIN  STORAGE =      0.000 AF (WITH      0.000 AF INITIALLY FILLED)
    OUTFLOW VOLUME =   1350.728 AF
    LOSS    VOLUME =      0.000 AF


********************************************************************************
  FLOW PROCESS FROM NODE    780.00 TO NODE    780.00 IS CODE =  11
--------------------------------------------------------------------------------
  >>>>>VIEW STREAM NUMBER 1 HYDROGRAPH<<<<<
================================================================================

           STREAM HYDROGRAPH IN FIVE-MINUTE UNIT INTERVALS(CFS)
        (Note: Time indicated is at END of Each Unit Intervals)
--------------------------------------------------------------------------------
 TIME(HRS) VOLUME(AF)   Q(CFS) 0.      125.0     250.0     375.0     500.0
--------------------------------------------------------------------------------
  96.000    301.4903     32.60  . Q     V .         .         .         .
 (PEAK DAY 2, HOUR  24.000)
  96.083    301.7169     32.90  . Q     V .         .         .         .
 (PEAK DAY 1, HOUR   0.083)
  96.167    301.9554     34.62  . Q     V .         .         .         .
 (PEAK DAY 1, HOUR   0.167)
  96.250    302.2167     37.95  .  Q    V .         .         .         .
 (PEAK DAY 1, HOUR   0.250)
  96.333    302.5105     42.65  .  Q    V .         .         .         .
 (PEAK DAY 1, HOUR   0.333)
  96.417    302.8511     49.45  .  Q    V .         .         .         .
 (PEAK DAY 1, HOUR   0.417)
  96.500    303.2701     60.84  .   Q   V .         .         .         .
 (PEAK DAY 1, HOUR   0.500)
  96.583    303.8102     78.42  .     Q V .         .         .         .
 (PEAK DAY 1, HOUR   0.583)
  96.667    304.4594     94.28  .      Q V.         .         .         .
 (PEAK DAY 1, HOUR   0.667)
  96.750    305.1714    103.37  .       QV.         .         .         .
 (PEAK DAY 1, HOUR   0.750)
  96.833    305.9271    109.74  .       QV.         .         .         .
 (PEAK DAY 1, HOUR   0.833)
  96.917    306.7193    115.02  .        Q.         .         .         .
 (PEAK DAY 1, HOUR   0.917)
  97.000    307.5417    119.41  .        Q.         .         .         .
 (PEAK DAY 1, HOUR   1.000)
  97.083    308.3900    123.17  .        Q.         .         .         .
 (PEAK DAY 1, HOUR   1.083)
  97.167    309.2614    126.54  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.167)
  97.250    310.1534    129.52  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.250)
  97.333    311.0637    132.18  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.333)
  97.417    311.9901    134.51  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.417)
  97.500    312.9313    136.66  .        VQ         .         .         .
 (PEAK DAY 1, HOUR   1.500)
  97.583    313.8861    138.64  .        V.Q        .         .         .
 (PEAK DAY 1, HOUR   1.583)
  97.667    314.8534    140.45  .        V.Q        .         .         .
 (PEAK DAY 1, HOUR   1.667)
  97.750    315.8318    142.07  .        V.Q        .         .         .
 (PEAK DAY 1, HOUR   1.750)
  97.833    316.8204    143.54  .        V.Q        .         .         .
 (PEAK DAY 1, HOUR   1.833)
  97.917    317.8181    144.87  .        V.Q        .         .         .
 (PEAK DAY 1, HOUR   1.917)
  98.000    318.8237    146.01  .        V.Q        .         .         .
 (PEAK DAY 1, HOUR   2.000)
  98.083    319.8369    147.11  .        V.Q        .         .         .
 (PEAK DAY 1, HOUR   2.083)
  98.167    320.8575    148.19  .        V.Q        .         .         .
 (PEAK DAY 1, HOUR   2.167)
  98.250    321.8843    149.09  .        V.Q        .         .         .
 (PEAK DAY 1, HOUR   2.250)
  98.333    322.9158    149.78  .        V.Q        .         .         .
 (PEAK DAY 1, HOUR   2.333)
  98.417    323.9517    150.42  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   2.417)
  98.500    324.9921    151.06  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   2.500)
  98.583    326.0369    151.70  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   2.583)
  98.667    327.0862    152.36  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   2.667)
  98.750    328.1400    153.01  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   2.750)
  98.833    329.1984    153.68  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   2.833)
  98.917    330.2614    154.35  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   2.917)
  99.000    331.3290    155.02  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   3.000)
  99.083    332.4014    155.71  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   3.083)
  99.167    333.4785    156.40  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   3.167)
  99.250    334.5604    157.09  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   3.250)
  99.333    335.6472    157.80  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   3.333)
  99.417    336.7388    158.51  .        V. Q       .         .         .
 (PEAK DAY 1, HOUR   3.417)
  99.500    337.8354    159.22  .         V Q       .         .         .
 (PEAK DAY 1, HOUR   3.500)
  99.583    338.9370    159.95  .         V Q       .         .         .
 (PEAK DAY 1, HOUR   3.583)
  99.667    340.0435    160.68  .         V Q       .         .         .
 (PEAK DAY 1, HOUR   3.667)
  99.750    341.1552    161.42  .         V Q       .         .         .
 (PEAK DAY 1, HOUR   3.750)
  99.833    342.2721    162.16  .         V Q       .         .         .
 (PEAK DAY 1, HOUR   3.833)
  99.917    343.3941    162.91  .         V  Q      .         .         .
 (PEAK DAY 1, HOUR   3.917)
 100.000    344.5213    163.68  .         V  Q      .         .         .
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(PEAK DAY 1, HOUR 4.000)
100.083 345.6538 164.44 . V Q . . .
(PEAK DAY 1, HOUR 4.083)
100.167 346.7917 165.22 . V Q . . .
(PEAK DAY 1, HOUR 4.167)
100.250 347.9348 165.97 . V Q . . .
(PEAK DAY 1, HOUR 4.250)
100.333 349.0827 166.68 . V Q . . .
(PEAK DAY 1, HOUR 4.333)
100.417 350.2355 167.39 . V Q . . .
(PEAK DAY 1, HOUR 4.417)
100.500 351.3933 168.11 . V Q . . .
(PEAK DAY 1, HOUR 4.500)
100.583 352.5560 168.83 . V Q . . .
(PEAK DAY 1, HOUR 4.583)
100.667 353.7238 169.56 . V Q . . .
(PEAK DAY 1, HOUR 4.667)
100.750 354.8966 170.30 . V Q . . .
(PEAK DAY 1, HOUR 4.750)
100.833 356.0746 171.05 . V Q . . .
(PEAK DAY 1, HOUR 4.833)
100.917 357.2578 171.80 . V Q . . .
(PEAK DAY 1, HOUR 4.917)
101.000 358.4463 172.57 . V Q . . .
(PEAK DAY 1, HOUR 5.000)
101.083 359.6401 173.34 . V Q . . .
(PEAK DAY 1, HOUR 5.083)
101.167 360.8393 174.12 . V Q . . .
(PEAK DAY 1, HOUR 5.167)
101.250 362.0435 174.86 . V Q . . .
(PEAK DAY 1, HOUR 5.250)
101.333 363.2507 175.27 . V Q . . .
(PEAK DAY 1, HOUR 5.333)
101.417 364.4589 175.43 . V Q . . .
(PEAK DAY 1, HOUR 5.417)
101.500 365.6687 175.67 . V Q . . .
(PEAK DAY 1, HOUR 5.500)
101.583 366.8806 175.98 . V Q . . .
(PEAK DAY 1, HOUR 5.583)
101.667 368.0952 176.35 . V Q . . .
(PEAK DAY 1, HOUR 5.667)
101.750 369.3126 176.78 . V Q . . .
(PEAK DAY 1, HOUR 5.750)
101.833 370.5334 177.26 . V Q . . .
(PEAK DAY 1, HOUR 5.833)
101.917 371.7578 177.79 . .V Q . . .
(PEAK DAY 1, HOUR 5.917)
102.000 372.9862 178.36 . .V Q . . .
(PEAK DAY 1, HOUR 6.000)
102.083 374.2187 178.97 . .V Q . . .
(PEAK DAY 1, HOUR 6.083)
102.167 375.4557 179.61 . .V Q . . .
(PEAK DAY 1, HOUR 6.167)
102.250 376.6973 180.29 . .V Q . . .
(PEAK DAY 1, HOUR 6.250)
102.333 377.9438 181.00 . .V Q . . .
(PEAK DAY 1, HOUR 6.333)
102.417 379.1954 181.73 . .V Q . . .
(PEAK DAY 1, HOUR 6.417)
102.500 380.4523 182.49 . .V Q . . .
(PEAK DAY 1, HOUR 6.500)
102.583 381.7145 183.28 . .V Q . . .
(PEAK DAY 1, HOUR 6.583)
102.667 382.9824 184.09 . .V Q . . .
(PEAK DAY 1, HOUR 6.667)
102.750 384.2560 184.92 . .V Q . . .
(PEAK DAY 1, HOUR 6.750)
102.833 385.5354 185.78 . .V Q . . .
(PEAK DAY 1, HOUR 6.833)
102.917 386.8209 186.65 . .V Q . . .
(PEAK DAY 1, HOUR 6.917)
103.000 388.1125 187.54 . .V Q . . .
(PEAK DAY 1, HOUR 7.000)
103.083 389.4103 188.45 . .V Q . . .
(PEAK DAY 1, HOUR 7.083)
103.167 390.7146 189.38 . .V Q . . .
(PEAK DAY 1, HOUR 7.167)
103.250 392.0255 190.33 . .V Q . . .
(PEAK DAY 1, HOUR 7.250)
103.333 393.3429 191.30 . .V Q . . .
(PEAK DAY 1, HOUR 7.333)
103.417 394.6672 192.28 . .V Q . . .
(PEAK DAY 1, HOUR 7.417)
103.500 395.9983 193.28 . .V Q . . .
(PEAK DAY 1, HOUR 7.500)
103.583 397.3365 194.30 . .V Q . . .
(PEAK DAY 1, HOUR 7.583)
103.667 398.6817 195.33 . .V Q . . .
(PEAK DAY 1, HOUR 7.667)
103.750 400.0342 196.39 . .V Q . . .
(PEAK DAY 1, HOUR 7.750)
103.833 401.3941 197.46 . .V Q . . .
(PEAK DAY 1, HOUR 7.833)
103.917 402.7615 198.54 . .V Q . . .
(PEAK DAY 1, HOUR 7.917)
104.000 404.1345 199.35 . .V Q . . .
(PEAK DAY 1, HOUR 8.000)
104.083 405.5109 199.86 . . V Q . . .
(PEAK DAY 1, HOUR 8.083)
104.167 406.8909 200.38 . . V Q . . .
(PEAK DAY 1, HOUR 8.167)
104.250 408.2747 200.93 . . V Q . . .
(PEAK DAY 1, HOUR 8.250)
104.333 409.6627 201.52 . . V Q . . .
(PEAK DAY 1, HOUR 8.333)
104.417 411.0549 202.15 . . V Q . . .
(PEAK DAY 1, HOUR 8.417)
104.500 412.4517 202.82 . . V Q . . .
(PEAK DAY 1, HOUR 8.500)
104.583 413.8534 203.52 . . V Q . . .
(PEAK DAY 1, HOUR 8.583)
104.667 415.2600 204.25 . . V Q . . .
(PEAK DAY 1, HOUR 8.667)
104.750 416.6720 205.02 . . V Q . . .
(PEAK DAY 1, HOUR 8.750)
104.833 418.0895 205.82 . . V Q . . .
(PEAK DAY 1, HOUR 8.833)
104.917 419.5128 206.66 . . V Q . . .
(PEAK DAY 1, HOUR 8.917)
105.000 420.9421 207.53 . . V Q . . .
(PEAK DAY 1, HOUR 9.000)
105.083 422.3775 208.43 . . V Q . . .
(PEAK DAY 1, HOUR 9.083)
105.167 423.8194 209.36 . . V Q . . .
(PEAK DAY 1, HOUR 9.167)
105.250 425.2680 210.33 . . V Q . . .
(PEAK DAY 1, HOUR 9.250)
105.333 426.7234 211.33 . . V Q . . .
(PEAK DAY 1, HOUR 9.333)
105.417 428.1859 212.36 . . V Q . . .
(PEAK DAY 1, HOUR 9.417)
105.500 429.6557 213.42 . . V Q . . .
(PEAK DAY 1, HOUR 9.500)
105.583 431.1331 214.51 . . V Q . . .

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 (PEAK DAY 1, HOUR   9.583)
105.667    432.6182    215.64  .         . V    Q  .         .         .
 (PEAK DAY 1, HOUR   9.667)
105.750    434.1113    216.80  .         . V    Q  .         .         .
 (PEAK DAY 1, HOUR   9.750)
105.833    435.6125    217.99  .         . V    Q  .         .         .
 (PEAK DAY 1, HOUR   9.833)
105.917    437.1223    219.21  .         . V    Q  .         .         .
 (PEAK DAY 1, HOUR   9.917)
106.000    438.6397    220.33  .         . V    Q  .         .         .
 (PEAK DAY 1, HOUR  10.000)
106.083    440.1630    221.19  .         .  V   Q  .         .         .
 (PEAK DAY 1, HOUR  10.083)
106.167    441.6915    221.93  .         .  V   Q  .         .         .
 (PEAK DAY 1, HOUR  10.167)
106.250    443.2252    222.70  .         .  V   Q  .         .         .
 (PEAK DAY 1, HOUR  10.250)
106.333    444.7645    223.51  .         .  V   Q  .         .         .
 (PEAK DAY 1, HOUR  10.333)
106.417    446.3097    224.35  .         .  V   Q  .         .         .
 (PEAK DAY 1, HOUR  10.417)
106.500    447.8608    225.23  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  10.500)
106.583    449.4183    226.14  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  10.583)
106.667    450.9822    227.09  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  10.667)
106.750    452.5530    228.07  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  10.750)
106.833    454.1308    229.09  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  10.833)
106.917    455.7158    230.15  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  10.917)
107.000    457.3084    231.25  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  11.000)
107.083    458.9088    232.38  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  11.083)
107.167    460.5173    233.55  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  11.167)
107.250    462.1342    234.76  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  11.250)
107.333    463.7596    236.01  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  11.333)
107.417    465.3939    237.31  .         .  V    Q .         .         .
 (PEAK DAY 1, HOUR  11.417)
107.500    467.0374    238.64  .         .  V     Q.         .         .
 (PEAK DAY 1, HOUR  11.500)
107.583    468.6899    239.94  .         .  V     Q.         .         .
 (PEAK DAY 1, HOUR  11.583)
107.667    470.3492    240.93  .         .  V     Q.         .         .
 (PEAK DAY 1, HOUR  11.667)
107.750    472.0136    241.68  .         .  V     Q.         .         .
 (PEAK DAY 1, HOUR  11.750)
107.833    473.6834    242.46  .         .   V    Q.         .         .
 (PEAK DAY 1, HOUR  11.833)
107.917    475.3589    243.28  .         .   V    Q.         .         .
 (PEAK DAY 1, HOUR  11.917)
108.000    477.0402    244.13  .         .   V    Q.         .         .
 (PEAK DAY 1, HOUR  12.000)
108.083    478.7277    245.02  .         .   V    Q.         .         .
 (PEAK DAY 1, HOUR  12.083)
108.167    480.4218    245.99  .         .   V    Q.         .         .
 (PEAK DAY 1, HOUR  12.167)
108.250    482.1232    247.04  .         .   V    Q.         .         .
 (PEAK DAY 1, HOUR  12.250)
108.333    483.8327    248.22  .         .   V    Q.         .         .
 (PEAK DAY 1, HOUR  12.333)
108.417    485.5512    249.54  .         .   V    Q.         .         .
 (PEAK DAY 1, HOUR  12.417)
108.500    487.2804    251.08  .         .   V     Q         .         .
 (PEAK DAY 1, HOUR  12.500)
108.583    489.0223    252.93  .         .   V     Q         .         .
 (PEAK DAY 1, HOUR  12.583)
108.667    490.7790    255.06  .         .   V     Q         .         .
 (PEAK DAY 1, HOUR  12.667)
108.750    492.5515    257.36  .         .   V     Q         .         .
 (PEAK DAY 1, HOUR  12.750)
108.833    494.3406    259.78  .         .   V     Q         .         .
 (PEAK DAY 1, HOUR  12.833)
108.917    496.1472    262.31  .         .   V     Q         .         .
 (PEAK DAY 1, HOUR  12.917)
109.000    497.9718    264.94  .         .   V     .Q        .         .
 (PEAK DAY 1, HOUR  13.000)
109.083    499.8152    267.66  .         .   V     .Q        .         .
 (PEAK DAY 1, HOUR  13.083)
109.167    501.6780    270.47  .         .   V     .Q        .         .
 (PEAK DAY 1, HOUR  13.167)
109.250    503.5606    273.35  .         .   V     .Q        .         .
 (PEAK DAY 1, HOUR  13.250)
109.333    505.4620    276.09  .         .   V     . Q       .         .
 (PEAK DAY 1, HOUR  13.333)
109.417    507.3791    278.36  .         .    V    . Q       .         .
 (PEAK DAY 1, HOUR  13.417)
109.500    509.3102    280.40  .         .    V    . Q       .         .
 (PEAK DAY 1, HOUR  13.500)
109.583    511.2558    282.50  .         .    V    . Q       .         .
 (PEAK DAY 1, HOUR  13.583)
109.667    513.2162    284.66  .         .    V    . Q       .         .
 (PEAK DAY 1, HOUR  13.667)
109.750    515.1920    286.88  .         .    V    . Q       .         .
 (PEAK DAY 1, HOUR  13.750)
109.833    517.1837    289.18  .         .    V    .  Q      .         .
 (PEAK DAY 1, HOUR  13.833)
109.917    519.1917    291.56  .         .    V    .  Q      .         .
 (PEAK DAY 1, HOUR  13.917)
110.000    521.2167    294.05  .         .    V    .  Q      .         .
 (PEAK DAY 1, HOUR  14.000)
110.083    523.2600    296.68  .         .    V    .  Q      .         .
 (PEAK DAY 1, HOUR  14.083)
110.167    525.3230    299.55  .         .    V    .  Q      .         .
 (PEAK DAY 1, HOUR  14.167)
110.250    527.4079    302.73  .         .    V    .   Q     .         .
 (PEAK DAY 1, HOUR  14.250)
110.333    529.5173    306.28  .         .    V    .   Q     .         .
 (PEAK DAY 1, HOUR  14.333)
110.417    531.6525    310.04  .         .    V    .   Q     .         .
 (PEAK DAY 1, HOUR  14.417)
110.500    533.8156    314.08  .         .    V    .    Q    .         .
 (PEAK DAY 1, HOUR  14.500)
110.583    536.0117    318.87  .         .    V    .    Q    .         .
 (PEAK DAY 1, HOUR  14.583)
110.667    538.2458    324.39  .         .    V    .    Q    .         .
 (PEAK DAY 1, HOUR  14.667)
110.750    540.5211    330.38  .         .     V   .     Q   .         .
 (PEAK DAY 1, HOUR  14.750)
110.833    542.8376    336.35  .         .     V   .     Q   .         .
 (PEAK DAY 1, HOUR  14.833)
110.917    545.1862    341.02  .         .     V   .      Q  .         .
 (PEAK DAY 1, HOUR  14.917)
111.000    547.5604    344.73  .         .     V   .      Q  .         .
 (PEAK DAY 1, HOUR  15.000)
111.083    549.9615    348.64  .         .     V   .      Q  .         .
 (PEAK DAY 1, HOUR  15.083)
111.167    552.3911    352.76  .         .     V   .       Q .         .
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 (PEAK DAY 1, HOUR  15.167)
111.250    554.8504    357.10  .         .     V   .       Q .         .
 (PEAK DAY 1, HOUR  15.250)
111.333    557.3411    361.65  .         .     V   .       Q .         .
 (PEAK DAY 1, HOUR  15.333)
111.417    559.8625    366.10  .         .     V   .        Q.         .
 (PEAK DAY 1, HOUR  15.417)
111.500    562.4120    370.20  .         .     V   .        Q.         .
 (PEAK DAY 1, HOUR  15.500)
111.583    564.9893    374.22  .         .     V   .        Q.         .
 (PEAK DAY 1, HOUR  15.583)
111.667    567.5948    378.32  .         .     V   .         Q         .
 (PEAK DAY 1, HOUR  15.667)
111.750    570.2289    382.47  .         .     V   .         Q         .
 (PEAK DAY 1, HOUR  15.750)
111.833    572.8911    386.55  .         .     V   .         Q         .
 (PEAK DAY 1, HOUR  15.833)
111.917    575.5800    390.42  .         .      V  .         .Q        .
 (PEAK DAY 1, HOUR  15.917)
112.000    578.2949    394.20  .         .      V  .         .Q        .
 (PEAK DAY 1, HOUR  16.000)
112.083    581.0400    398.60  .         .      V  .         .Q        .
 (PEAK DAY 1, HOUR  16.083)
112.167    583.8240    404.24  .         .      V  .         . Q       .
 (PEAK DAY 1, HOUR  16.167)
112.250    586.6568    411.32  .         .      V  .         . Q       .
 (PEAK DAY 1, HOUR  16.250)
112.333    589.5453    419.41  .         .      V  .         .  Q      .
 (PEAK DAY 1, HOUR  16.333)
112.417    592.4985    428.81  .         .      V  .         .   Q     .
 (PEAK DAY 1, HOUR  16.417)
112.500    595.5313    440.37  .         .      V  .         .    Q    .
 (PEAK DAY 1, HOUR  16.500)
112.583    598.6557    453.66  .         .      V  .         .     Q   .
 (PEAK DAY 1, HOUR  16.583)
112.667    601.8439    462.93  .         .      V  .         .      Q  .
 (PEAK DAY 1, HOUR  16.667)
112.750    605.0605    467.06  .         .      V  .         .      Q  .
 (PEAK DAY 1, HOUR  16.750)
112.833    608.3005    470.44  .         .       V .         .      Q  .
 (PEAK DAY 1, HOUR  16.833)
112.917    611.5627    473.67  .         .       V .         .      Q  .
 (PEAK DAY 1, HOUR  16.917)
113.000    614.8464    476.80  .         .       V .         .       Q .
 (PEAK DAY 1, HOUR  17.000)
113.083    618.1500    479.68  .         .       V .         .       Q .
 (PEAK DAY 1, HOUR  17.083)
113.167    621.4718    482.33  .         .       V .         .       Q .
 (PEAK DAY 1, HOUR  17.167)
113.250    624.8103    484.75  .         .       V .         .       Q .
 (PEAK DAY 1, HOUR  17.250)
113.333    628.1645    487.03  .         .       V .         .       Q .
 (PEAK DAY 1, HOUR  17.333)
113.417    631.5332    489.14  .         .       V .         .        Q.
 (PEAK DAY 1, HOUR  17.417)
113.500    634.9148    491.01  .         .       V .         .        Q.
 (PEAK DAY 1, HOUR  17.500)
113.583    638.3073    492.60  .         .       V .         .        Q.
 (PEAK DAY 1, HOUR  17.583)
113.667    641.7091    493.94  .         .        V.         .        Q.
 (PEAK DAY 1, HOUR  17.667)
113.750    645.1187    495.08  .         .        V.         .        Q.
 (PEAK DAY 1, HOUR  17.750)
113.833    648.5350    496.05  .         .        V.         .        Q.
 (PEAK DAY 1, HOUR  17.833)
113.917    651.9570    496.88  .         .        V.         .        Q.
 (PEAK DAY 1, HOUR  17.917)
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114.000    655.3839    497.57  .         .        V.         .        Q.
 (PEAK DAY 1, HOUR  18.000)
114.083    658.8148    498.17  .         .        V.         .        Q.
 (PEAK DAY 1, HOUR  18.083)
114.167    662.2492    498.68  .         .        V.         .        Q.
 (PEAK DAY 1, HOUR  18.167)
114.250    665.6863    499.07  .         .        V.         .        Q.
 (PEAK DAY 1, HOUR  18.250)
114.333    669.1252    499.33  .         .        V.         .        Q.
 (PEAK DAY 1, HOUR  18.333)
114.417    672.5656    499.53  .         .        V.         .        Q.
 (PEAK DAY 1, HOUR  18.417)
114.500    676.0068    499.67  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  18.500)
114.583    679.4485    499.74  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  18.583)
114.667    682.8903    499.75  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  18.667)
114.750    686.3319    499.72  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  18.750)
114.833    689.7730    499.65  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  18.833)
114.917    693.2134    499.55  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  18.917)
115.000    696.6530    499.42  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  19.000)
115.083    700.0915    499.27  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  19.083)
115.167    703.5288    499.10  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  19.167)
115.250    706.9648    498.91  .         .         V         .        Q.
 (PEAK DAY 1, HOUR  19.250)
115.333    710.3994    498.70  .         .        .V         .        Q.
 (PEAK DAY 1, HOUR  19.333)
115.417    713.8324    498.48  .         .        .V         .        Q.
 (PEAK DAY 1, HOUR  19.417)
115.500    717.2638    498.24  .         .        .V         .        Q.
 (PEAK DAY 1, HOUR  19.500)
115.583    720.6935    497.99  .         .        .V         .        Q.
 (PEAK DAY 1, HOUR  19.583)
115.667    724.1214    497.73  .         .        .V         .        Q.
 (PEAK DAY 1, HOUR  19.667)
115.750    727.5475    497.46  .         .        .V         .        Q.
 (PEAK DAY 1, HOUR  19.750)
115.833    730.9716    497.19  .         .        .V         .        Q.
 (PEAK DAY 1, HOUR  19.833)
115.917    734.3938    496.90  .         .        .V         .        Q.
 (PEAK DAY 1, HOUR  19.917)
116.000    737.8139    496.60  .         .        .V         .        Q.
 (PEAK DAY 1, HOUR  20.000)
116.083    741.2319    496.29  .         .        .V         .        Q.
 (PEAK DAY 1, HOUR  20.083)
116.167    744.6478    495.97  .         .        . V        .        Q.
 (PEAK DAY 1, HOUR  20.167)
116.250    748.0612    495.64  .         .        . V        .        Q.
 (PEAK DAY 1, HOUR  20.250)
116.333    751.4722    495.28  .         .        . V        .        Q.
 (PEAK DAY 1, HOUR  20.333)
116.417    754.8807    494.91  .         .        . V        .        Q.
 (PEAK DAY 1, HOUR  20.417)
116.500    758.2866    494.54  .         .        . V        .        Q.
 (PEAK DAY 1, HOUR  20.500)
116.583    761.6898    494.16  .         .        . V        .        Q.
 (PEAK DAY 1, HOUR  20.583)
116.667    765.0905    493.77  .         .        . V        .        Q.
 (PEAK DAY 1, HOUR  20.667)
116.750    768.4883    493.38  .         .        . V        .        Q.
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(PEAK DAY 1, HOUR  20.750)
116.833    771.8835    492.98  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  20.833)
116.917    775.2759    492.57  .         .         . V       .         Q.
(PEAK DAY 1, HOUR  20.917)
117.000    778.6655    492.17  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  21.000)
117.083    782.0522    491.75  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  21.083)
117.167    785.4360    491.33  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  21.167)
117.250    788.8170    490.91  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  21.250)
117.333    792.1949    490.49  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  21.333)
117.417    795.5700    490.06  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  21.417)
117.500    798.9421    489.63  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  21.500)
117.583    802.3112    489.19  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  21.583)
117.667    805.6772    488.75  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  21.667)
117.750    809.0403    488.31  .         .         .  V      .         Q.
(PEAK DAY 1, HOUR  21.750)
117.833    812.4003    487.87  .         .         .   V     .         Q.
(PEAK DAY 1, HOUR  21.833)
117.917    815.7571    487.42  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  21.917)
118.000    819.1110    486.97  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  22.000)
118.083    822.4617    486.52  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  22.083)
118.167    825.8093    486.07  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  22.167)
118.250    829.1537    485.61  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  22.250)
118.333    832.4951    485.17  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  22.333)
118.417    835.8336    484.75  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  22.417)
118.500    839.1692    484.32  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  22.500)
118.583    842.5018    483.90  .         .         .   V     .         Q .
(PEAK DAY 1, HOUR  22.583)
118.667    845.8315    483.47  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  22.667)
118.750    849.1582    483.04  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  22.750)
118.833    852.4819    482.60  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  22.833)
118.917    855.8027    482.17  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  22.917)
119.000    859.1204    481.73  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  23.000)
119.083    862.4351    481.30  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  23.083)
119.167    865.7468    480.86  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  23.167)
119.250    869.0555    480.42  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  23.250)
119.333    872.3611    479.98  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  23.333)
119.417    875.6638    479.54  .         .         .    V    .         Q .
(PEAK DAY 1, HOUR  23.417)
119.500    878.9633    479.10  .         .         .     V   .         Q .
(PEAK DAY 1, HOUR  23.500)
119.583    882.2598    478.65  .         .         .     V   .         Q .
(PEAK DAY 1, HOUR  23.583)
119.667    885.5533    478.21  .         .         .     V   .         Q .
(PEAK DAY 1, HOUR  23.667)
119.750    888.8436    477.76  .         .         .     V   .         Q .
(PEAK DAY 1, HOUR  23.750)
119.833    892.1309    477.31  .         .         .     V   .         Q .
(PEAK DAY 1, HOUR  23.833)
119.917    895.4151    476.86  .         .         .     V   .         Q .
(PEAK DAY 1, HOUR  23.917)
120.000    898.6962    476.42  .         .         .     V   .         Q .
(PEAK DAY 1, HOUR  24.000)
120.083    901.9742    475.96  .         .         .     V   .         Q .
(PEAK DAY 1, HOUR  24.083)
120.167    905.2491    475.51  .         .         .     V   .         Q .
(PEAK DAY 1, HOUR  24.167)
120.250    908.5208    475.05  .         .         .     V   .         Q .
(PEAK DAY 1, HOUR  24.250)
120.333    911.7892    474.57  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  24.333)
120.417    915.0543    474.09  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  24.417)
120.500    918.3159    473.58  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  24.500)
120.583    921.5737    473.04  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  24.583)
120.667    924.8277    472.48  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  24.667)
120.750    928.0779    471.93  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  24.750)
120.833    931.3243    471.39  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  24.833)
120.917    934.5670    470.84  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  24.917)
121.000    937.8059    470.28  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  25.000)
121.083    941.0410    469.73  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  25.083)
121.167    944.2721    469.16  .         .         .      V  .         Q .
(PEAK DAY 1, HOUR  25.167)
121.250    947.4993    468.59  .         .         .       V .         Q .
(PEAK DAY 1, HOUR  25.250)
121.333    950.7227    468.02  .         .         .       V .         Q .
(PEAK DAY 1, HOUR  25.333)
121.417    953.9420    467.45  .         .         .       V .         Q .
(PEAK DAY 1, HOUR  25.417)
121.500    957.1574    466.88  .         .         .       V .         Q .
(PEAK DAY 1, HOUR  25.500)
121.583    960.3688    466.30  .         .         .       V .         Q .
(PEAK DAY 1, HOUR  25.583)
121.667    963.5763    465.72  .         .         .       V .         Q .
(PEAK DAY 1, HOUR  25.667)
121.750    966.7797    465.14  .         .         .       V .         Q .
(PEAK DAY 1, HOUR  25.750)
121.833    969.9792    464.56  .         .         .       V .         Q .
(PEAK DAY 1, HOUR  25.833)
121.917    973.1746    463.98  .         .         .       V .         Q .
(PEAK DAY 1, HOUR  25.917)
122.000    976.3661    463.40  .         .         .       V .         Q .
(PEAK DAY 1, HOUR  26.000)
122.083    979.5535    462.82  .         .         .        V.         Q .
(PEAK DAY 1, HOUR  26.083)
122.167    982.7369    462.23  .         .         .        V.       Q   .
(PEAK DAY 1, HOUR  26.167)
122.250    985.9164    461.65  .         .         .        V.       Q   .
(PEAK DAY 1, HOUR  26.250)
122.333    989.0918    461.07  .         .         .        V.       Q   .
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 (PEAK DAY 1, HOUR  26.333)
122.417    992.2615    460.24  .         .         .        V.     Q   .
 (PEAK DAY 1, HOUR  26.417)
122.500    995.4235    459.12  .         .         .        V.     Q   .
 (PEAK DAY 1, HOUR  26.500)
122.583    998.5775    457.96  .         .         .        V.     Q   .
 (PEAK DAY 1, HOUR  26.583)
122.667   1001.7235    456.81  .         .         .        V.     Q   .
 (PEAK DAY 1, HOUR  26.667)
122.750   1004.8616    455.66  .         .         .        V.     Q   .
 (PEAK DAY 1, HOUR  26.750)
122.833   1007.9919    454.51  .         .         .        V.     Q   .
 (PEAK DAY 1, HOUR  26.833)
122.917   1011.1142    453.36  .         .         .        V.     Q   .
 (PEAK DAY 1, HOUR  26.917)
123.000   1014.2286    452.22  .         .         .         V     Q   .
 (PEAK DAY 1, HOUR  27.000)
123.083   1017.3353    451.08  .         .         .         V     Q   .
 (PEAK DAY 1, HOUR  27.083)
123.167   1020.4340    449.94  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  27.167)
123.250   1023.5250    448.80  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  27.250)
123.333   1026.6082    447.67  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  27.333)
123.417   1029.6835    446.54  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  27.417)
123.500   1032.7511    445.41  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  27.500)
123.583   1035.8109    444.29  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  27.583)
123.667   1038.8630    443.16  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  27.667)
123.750   1041.9073    442.04  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  27.750)
123.833   1044.9440    440.92  .         .         .         V    Q    .
 (PEAK DAY 1, HOUR  27.833)
123.917   1047.9729    439.81  .         .         .        .V   Q    .
 (PEAK DAY 1, HOUR  27.917)
124.000   1050.9943    438.69  .         .         .        .V   Q    .
 (PEAK DAY 1, HOUR  28.000)
  Note: Computed Hydrograph continues past two days after the peak day
  of the design storm.
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  END OF FLOODSCx ROUTING ANALYSIS
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0 1,000 2,000 4,000 Feet

N

HUNSAKER & ASSOCIATES PROVIDED HYDROLOGY INFORMATION FOR COTO DE CAZA. SEE REPORT FOR DETAILS.

6320 6321 6323 6322 6324 6325 6326 6327 6328 6329 6330 6331 6332 6333 6334 6352 6368 6369 6370 6371 6372 6373 6374 6359 6358 6357 6356 6355 6354 6353 6310 6311 6309 6308 6307 6306 6305 6304 6303 6302 6301 6300 780 6340 6341 6342 6343 6344 6345 6346 6347 6348 6349 6350 6351 6361 6362 6363 6360 6364 6365 6366 6367

ORTEGA HWY

0 650 1,300 2,600 Feet

Legend

- RANCHO MISSION VIEJO BOUNDARY
- FLOW LINE
- SUBAREA 7, 35 & 36

HYDROLOGIC MAP FOR EXISTING CONDITION

CANADA GOBERNADORA CREEK CHANNEL

DATE: APRIL 1, 2004

H:/10075501/PH801/RMV WATERSHED/EX/SUBAREA EXISTING 63.MXD

HUITT~ZOLLARS
(714) 734-5100
430 EXCHANGE, SUITE 200
IRVINE, CA 92602

N

HUNSAKER & ASSOCIATES PROVIDED HYDROLOGY INFORMATION FOR COTO DE CAZA. SEE REPORT FOR DETAILS.

0 1,000 2,000 4,000 Feet

6320 6321 6322 6323 6324 6325 6326 6327 6328 6329 6330 6311 6309 6310 6308 6307 6306 6305 6304 6303 6302 6301 6300 780 6340 6341 6342 6343 6344 6345 6346 6347 6348 6349 6350 6331 6332 6333 6351 6352 6353 6354 6355 6356 6357 6358 6359 6360 6361 6362 6363 6364 6365 6366 6367 6368 6369 6370 6371 6383 6382 6381 6380 6384 6385 6386 6387 6388 6389 6390 6391 6392 6393 6394 6395 6334

ORTEGA HWY

0 650 1,300 2,600 Feet

Legend

- SUBAREA 7, 35 & 36
- RANCHO MISSION VIEJO BOUNDARY
- FLOW LINE

HYDROLOGIC MAP FOR PROPOSED CONDITION

CANADA GOBERNADORA

DATE: APRIL 1, 2004

H:/10075501/PH801/RMV WATERSHED/EX/SUBAREA PROPOSED 63.MXD

HUITT~ZOLLARS
(714) 734-5100
430 EXCHANGE, SUITE 200
IRVINE, CA 92602