

RANCHO MISSION VIEJO
PA-3 (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed/Line B

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area										A _p	F _p	Maximum Loss Rate (F _m) x Area			
								Storm Event (Year)					HC							Storm Event (Year)			
								EV					100							EV			
								P ₂₄ (Inches)					10							5			
1.4	B-10	S29.3	B	Commercial, Industrial	56	36	75	79	76	1.22	1.21	1.20	1.17	1.13	1.07	1.22	1.28	0.10	0.30	0.04	0.07	0.08	0.04
1.1	B-10	S29.3	C	Commercial, Industrial	69	50	83	87	86	0.98	0.97	0.96	0.94	0.90	0.84	0.98	1.03	0.10	0.25	0.03	0.06	0.07	0.03
1.9	B-10	S29.3	B	Residential 2.5 acre lots	56	36	75	79	76	0.48	0.44	0.39	0.30	0.20	0.16	0.48	1.11	0.90	0.30	0.51	0.86	1.03	0.51
1.6	B-10	S29.3	C	Residential 2.5 acre lots	69	50	83	87	86	0.66	0.62	0.57	0.47	0.32	0.19	0.66	1.20	0.90	0.25	0.43	0.72	0.86	0.36
0.2	B-10	S29.3	B	Residential 8-10 dwellings/acre	56	36	75	79	76	0.13	0.13	0.12	0.12	0.11	0.10	0.13	0.16	0.40	0.30	0.02	0.04	0.05	0.02
0.3	B-11	S29.3	B	Commercial, Industrial	56	36	75	79	76	0.26	0.26	0.26	0.25	0.24	0.23	0.26	0.27	0.10	0.30	0.01	0.02	0.02	0.01
0.6	B-11	S29.3	C	Commercial, Industrial	69	50	83	87	86	0.53	0.53	0.52	0.51	0.49	0.46	0.53	0.56	0.10	0.25	0.02	0.03	0.04	0.02
0.7	B-11	S29.3	D	Commercial, Industrial	75	57	91	94	91	0.63	0.62	0.62	0.60	0.58	0.54	0.63	0.66	0.10	0.20	0.02	0.04	0.04	0.01
0.4	B-11	S29.3	B	Residential 2.5 acre lots	56	36	75	79	76	0.10	0.09	0.08	0.06	0.04	0.03	0.10	0.23	0.90	0.30	0.11	0.18	0.22	0.11
0.4	B-11	S29.3	C	Residential 2.5 acre lots	69	50	83	87	86	0.33	0.31	0.28	0.24	0.16	0.10	0.33	0.60	0.90	0.25	0.22	0.36	0.43	0.18
0.4	B-11	S29.3	D	Residential 2.5 acre lots	75	57	91	94	91	0.20	0.19	0.18	0.15	0.11	0.07	0.20	0.33	0.90	0.20	0.11	0.18	0.22	0.07
1.0	B-12	S29.3	B	Commercial, Industrial	56	36	75	79	76	0.87	0.86	0.85	0.84	0.81	0.76	0.87	0.92	0.10	0.30	0.03	0.05	0.06	0.03
0.4	B-12	S29.3	C	Commercial, Industrial	69	50	83	87	86	0.36	0.35	0.35	0.34	0.33	0.31	0.36	0.37	0.10	0.25	0.01	0.02	0.02	0.01
2.2	B-12	S29.3	D	Commercial, Industrial	75	57	91	94	91	1.98	1.96	1.94	1.90	1.81	1.70	1.98	2.08	0.10	0.20	0.07	0.11	0.13	0.04
0.4	B-12	S29.3	B	Residential 10+ dwellings/acre	56	36	75	79	76	0.32	0.31	0.31	0.30	0.29	0.27	0.32	0.35	0.20	0.30	0.02	0.04	0.05	0.02
0.7	B-12	S29.3	D	Residential 10+ dwellings/acre	75	57	91	94	91	0.59	0.59	0.58	0.56	0.53	0.49	0.59	0.65	0.20	0.20	0.04	0.07	0.08	0.03
1.1	B-12	S29.3	D	Residential 10+ dwellings/acre	75	57	91	94	91	0.83	0.81	0.79	0.75	0.68	0.60	0.83	0.99	0.40	0.20	0.13	0.22	0.26	0.09
0.5	B-14	S29.3	B	Residential 10+ dwellings/acre	56	36	75	79	76	0.40	0.39	0.39	0.38	0.36	0.34	0.40	0.44	0.20	0.30	0.03	0.05	0.06	0.03
1.2	B-14	S29.3	C	Residential 10+ dwellings/acre	69	50	83	87	86	0.99	0.98	0.97	0.94	0.89	0.82	0.99	1.09	0.20	0.25	0.07	0.12	0.14	0.06
1.1	B-15	S29.3	B	Residential 10+ dwellings/acre	56	36	75	79	76	0.87	0.86	0.85	0.83	0.79	0.75	0.87	0.96	0.20	0.30	0.07	0.11	0.13	0.07
1.4	B-15	S29.3	C	Residential 10+ dwellings/acre	69	50	83	87	86	1.16	1.15	1.13	1.10	1.03	0.96	1.16	1.28	0.20	0.25	0.08	0.14	0.17	0.07
1.8	B-15	S29.3	D	Residential 10+ dwellings/acre	75	57	91	94	91	1.53	1.51	1.49	1.45	1.36	1.26	1.53	1.67	0.20	0.11	0.18	0.22	0.07	
1.9	B-16	S29.3	B	Residential 10+ dwellings/acre	56	36	75	79	76	1.51	1.49	1.47	1.43	1.36	1.29	1.51	1.66	0.20	0.30	0.11	0.19	0.23	0.11
5.7	B-16	S29.3	C	Residential 10+ dwellings/acre	69	50	83	87	86	4.73	4.67	4.60	4.47	4.21	3.91	4.73	5.19	0.20	0.25	0.34	0.57	0.68	0.29
0.6	B-17	S29.3	B	Commercial, Industrial	56	36	75	79	76	0.52	0.52	0.51	0.50	0.48	0.46	0.52	0.55	0.10	0.30	0.02	0.03	0.04	0.02
0.3	B-17	S29.3	C	Commercial, Industrial	69	50	83	87	86	0.27	0.26	0.26	0.26	0.24	0.23	0.27	0.28	0.10	0.25	0.01	0.02	0.02	0.01
0.2	B-17	S29.3	C	Residential 10+ dwellings/acre	69	50	83	87	86	0.17	0.16	0.16	0.16	0.15	0.14	0.17	0.18	0.20	0.25	0.01	0.02	0.02	0.01
2.9	B-17	S29.3	B	Residential 8-10 dwellings/acre	56	36	75	79	76	1.85	1.82	1.77	1.69	1.57	1.48	1.85	2.29	0.40	0.30	0.35	0.58	0.70	0.35
11.4	B-17	S29.3	C	Residential 8-10 dwellings/acre	69	50	83	87	86	8.10	7.94	7.72	7.35	6.67	5.98	8.10	9.86	0.40	0.25	1.37	2.28	2.74	1.14
0.9	B-17	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	94	91	0.68	0.66	0.65	0.62	0.56	0.49	0.68	0.81	0.40	0.20	0.11	0.18	0.22	0.07
2.4	B-18	S29.3	B	Residential 10+ dwellings/acre	56	36	75	79	76	1.90	1.88	1.86	1.81	1.72	1.63	1.90	2.10	0.20	0.30	0.14	0.24	0.29	0.14
7.1	B-18	S29.3	B	Residential 5-7 dwellings/acre	56	36	75	79	76	3.99	3.89	3.75	3.55	3.23	3.01	3.99	5.32	0.50	0.30	1.07	1.78	2.13	1.07
3.6	B-18	S29.3	C	Residential 5-7 dwellings/acre	69	50	83	87	86	2.35	2.28	2.21	2.07	1.83	1.60	2.35	3.03	0.50	0.25	0.54	0.90	1.08	0.45
0.3	B-18	S29.3	D	Residential 5-7 dwellings/acre	75	57	91	94	91	0.21	0.21	0.20	0.19	0.17	0.14	0.21	0.27	0.50	0.20	0.05	0.08	0.09	0.03
10.5	B-18	S29.3	B	Residential 8-10 dwellings/acre	56	36	75	79	76	6.71	6.58	6.41	6.13	5.70	5.34	6.71	8.31	0.40	0.30	1.26	2.10	2.52	1.26
9.4	B-18	S29.3	C	Residential 8-10 dwellings/acre	69	50	83	87	86	6.68	6.55	6.37	6.06	5.50	4.93	6.68	8.13	0.40	0.25	1.13	1.88	2.26	0.94
0.3	B-18	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	94	91	0.23	0.22	0.22	0.21	0.19	0.16	0.23	0.27	0.40	0.20	0.04	0.06	0.07	0.02
7.7	B-21	S29.3	B	Residential 10+ dwellings/acre	56	36	75	79	76	6.11	6.04	5.95	5.80	5.53	5.22	6.11	6.73	0.20	0.30	0.46	0.77	0.82	0.46
0.4	B-21	S29.3	C	Residential 10+ dwellings/acre	69	50	83	87	86	0.33	0.33	0.32	0.31	0.30	0.27	0.33	0.36	0.20	0.25	0.02	0.04	0.05	0.02
1.7	B-21	S29.3	D	Residential 10+ dwellings/acre	75	57	91	94	91	1.44	1.43	1.41	1.37	1.29	1.19	1.44	1.58	0.20	0.20	0.10	0.17	0.20	0.07
0.4	B-21	S29.3	B	Residential 5-7 dwellings/acre	56	36	75	79	76	0.22	0.22	0.21	0.20	0.18	0.17	0.22	0.30	0.50	0.30	0.06	0.10	0.12	0.06
0.2	B-23	S29.3	C	Commercial, Industrial	69	50	83	87	86	0.18	0.18	0.17	0.17	0.16	0.15	0.18	0.19	0.10	0.25	0.01	0.01	0.01	0.01
2.4	B-23	S29.3	D	Commercial, Industrial	75	57	91	94	91	2.16	2.14	2.12	2.07	1.98	1.86	2.16	2.26	0.10	0.20	0.07	0.12	0.14	0.05
1.2	B-23	S29.3	B	Public Park	56	36	75	79	76	0.35	0.32	0.29	0.24	0.18	0.15	0.35	0.72	0.85	0.30	0.31	0.51	0.61	0.31
1.7	B-23	S29.3	C	Public Park	69	50	83	87	86	0.76	0.71	0.66	0.56	0.41	0.27	0.76	1.29	0.85	0.25	0.43	0.72	0.87	0.36
8.5	B-23	S29.3	D	Public Park	75	57	91	94	91	4.49	4.28	4.00	3.52	2.84	1.81	4.49	7.12	0.85	0.20	2.17	3.61	4.34	1.45
0.7	B-23	S29.3	A	Residential 10+ dwellings/acre	32	17	50	55	52	0.53	0.53	0.52	0.52	0.50	0.47	0.53	0.56	0.20	0.40	0.04	0.07	0.08	0.06
2.9	B-23	S29.3	B	Residential 10+ dwellings/acre	56	36	75	79	76	2.30	2.28	2.24	2.19	2.08	1.97	2.30	2.54	0.20	0.30	0.17	0.29	0.35	0.17
2.9	B-23	S29.3	C	Residential 10+ dwellings/acre	69	50	83	87	86	2.40	2.38	2.34	2.27	2.14	1.99	2.40	2.64	0.20	0.25	0.17	0.29	0.35	0.15
24.0	B-23	S29.3	D	Residential 10+ dwellings/acre	75	57	91	94	91	20.37	20.15	19.84	19.28	18.15	16.77	20.37	22.31	0.20	0.20	1.44	2.40	2.88	0.96
0.1	B-23	S29.3	D	Residential 2.5 acre lots	75	57	91	94	91	0.05	0.05	0.04	0.04	0.03	0.02	0.05	0.08	0					

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Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Low Loss Fraction (1-Y) x Area														A _p	F _p	Maximum Loss Rate (F _m) x Area					
						Curve Number CN				Storm Event (Year)								EV				HC		Storm Event (Year)			
						AMC				100	50	25	10	5	2	25	100	EV				HC					
						II	I		III	P ₂₄ (Inches)																	
						4.49	4.12	3.68	3.03	2.12	1.44	4.49	5.63					> 5	5			2	All				
0.3	B-7	S29.3	B	Commercial, Industrial	56	36	75	79	76	0.26	0.26	0.26	0.25	0.24	0.23	0.26	0.27	0.10	0.30	0.01	0.02	0.02	0.01				
0.4	B-7	S29.3	C	Commercial, Industrial	69	50	83	87	86	0.36	0.35	0.35	0.34	0.33	0.31	0.36	0.37	0.10	0.25	0.01	0.02	0.02	0.01				
0.1	B-7	S29.3	B	Residential 10+ dwellings/acre	56	36	75	79	76	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.09	0.20	0.30	0.01	0.01	0.01	0.01				
0.3	B-7	S29.3	C	Residential 10+ dwellings/acre	69	50	83	87	86	0.25	0.25	0.24	0.24	0.22	0.21	0.25	0.27	0.20	0.25	0.02	0.03	0.04	0.02				
0.2	B-7	S29.3	B	Residential 2.5 acre lots	56	36	75	79	76	0.05	0.05	0.04	0.03	0.02	0.02	0.05	0.12	0.90	0.30	0.05	0.09	0.11	0.05				
1.5	B-7	S29.3	C	Residential 2.5 acre lots	69	50	83	87	86	0.62	0.58	0.53	0.44	0.30	0.18	0.62	1.12	0.90	0.25	0.41	0.68	0.81	0.34				
0.7	B-8	S29.3	B	Commercial, Industrial	56	36	75	79	76	0.61	0.60	0.60	0.59	0.56	0.53	0.61	0.64	0.10	0.30	0.02	0.04	0.04	0.02				
2.5	B-8	S29.3	C	Commercial, Industrial	69	50	83	87	86	2.22	2.20	2.18	2.13	2.04	1.92	2.22	2.34	0.10	0.25	0.08	0.13	0.15	0.06				
0.3	B-8	S29.3	D	Commercial, Industrial	75	57	91	94	91	0.27	0.27	0.26	0.26	0.25	0.23	0.27	0.28	0.10	0.20	0.01	0.02	0.02	0.01				
0.3	B-8	S29.3	B	Residential 10+ dwellings/acre	56	36	75	79	76	0.24	0.24	0.23	0.23	0.22	0.20	0.24	0.26	0.20	0.30	0.02	0.03	0.04	0.02				
0.1	B-8	S29.3	C	Residential 10+ dwellings/acre	69	50	83	87	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.09	0.20	0.25	0.01	0.01	0.01	0.01				
0.2	B-8	S29.3	D	Residential 10+ dwellings/acre	75	57	91	94	91	0.17	0.17	0.17	0.16	0.15	0.14	0.17	0.19	0.20	0.20	0.01	0.02	0.02	0.01				
2.6	B-8	S29.3	B	Residential 2.5 acre lots	56	36	75	79	76	0.66	0.60	0.53	0.42	0.27	0.22	0.66	1.51	0.90	0.30	0.70	1.17	1.40	0.70				
9.3	B-8	S29.3	C	Residential 2.5 acre lots	69	50	83	87	86	3.86	3.61	3.29	2.75	1.86	1.13	3.86	6.96	0.90	0.25	2.51	4.19	5.02	2.09				
1.5	B-8	S29.3	D	Residential 2.5 acre lots	75	57	91	94	91	0.76	0.72	0.67	0.58	0.41	0.26	0.76	1.25	0.90	0.20	0.41	0.68	0.81	0.27				
2.4	B-9	S29.3	B	Commercial, Industrial	56	36	75	79	76	2.09	2.07	2.05	2.01	1.93	1.83	2.09	2.20	0.10	0.30	0.07	0.12	0.14	0.07				
0.2	B-9	S29.3	C	Commercial, Industrial	69	50	83	87	86	0.18	0.18	0.17	0.17	0.16	0.15	0.18	0.19	0.10	0.25	0.01	0.01	0.01	0.01				
0.3	B-9	S29.3	D	Commercial, Industrial	75	57	91	94	91	0.27	0.27	0.26	0.26	0.25	0.23	0.27	0.28	0.10	0.20	0.01	0.02	0.02	0.01				
2.1	B-9	S29.3	B	Residential 2.5 acre lots	56	36	75	79	76	0.53	0.48	0.43	0.34	0.22	0.18	0.53	1.22	0.90	0.30	0.57	0.95	1.13	0.57				
0.3	B-9	S29.3	C	Residential 2.5 acre lots	69	50	83	87	86	0.12	0.12	0.11	0.09	0.06	0.04	0.12	0.22	0.90	0.25	0.08	0.14	0.16	0.07				
0.5	B-9	S29.3	D	Residential 2.5 acre lots	75	57	91	94	91	0.25	0.24	0.22	0.19	0.14	0.09	0.25	0.42	0.90	0.20	0.14	0.23	0.27	0.09				
213.7				Low Loss Fraction (1-Y) =						0.323	0.337	0.356	0.388	0.443	0.496	0.323	0.162		F _m =	0.128	0.213	0.256	0.110				

RANCHO MISSION VIEJO
PA-3 (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed/Line B - Multiday Day 2

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area											A _s	F _p	Maximum Loss Rate (F _m) x Area			
								Storm Event (Year)													Storm Event (Year)			
								EV													EV			
								100													100			
								P ₂₄ (Inches)													P ₂₄ (Inches)			
II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	2.59	10	5	2	100	HC	> 5	5	2	All						
1.4	B-10	S29.3	B	Commercial, Industrial	56	36	76	1.22	1.21	1.20	1.17	1.13	1.07	1.19	0.10	0.30	0.04	0.07	0.08	0.04				
1.1	B-10	S29.3	C	Commercial, Industrial	69	50	86	0.98	0.97	0.96	0.94	0.90	0.84	0.96	0.10	0.25	0.03	0.06	0.07	0.03				
1.9	B-10	S29.3	B	Residential 2.5 acre lots	56	36	76	0.48	0.44	0.39	0.30	0.20	0.16	0.66	0.90	0.30	0.51	0.86	1.03	0.51				
1.6	B-10	S29.3	C	Residential 2.5 acre lots	69	50	86	0.66	0.62	0.57	0.47	0.32	0.19	0.89	0.90	0.25	0.43	0.72	0.86	0.36				
0.2	B-10	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.13	0.13	0.12	0.12	0.11	0.10	0.13	0.40	0.30	0.02	0.04	0.05	0.02				
0.3	B-11	S29.3	B	Commercial, Industrial	56	36	76	0.26	0.26	0.26	0.25	0.24	0.23	0.25	0.10	0.30	0.01	0.02	0.02	0.01				
0.6	B-11	S29.3	C	Commercial, Industrial	69	50	86	0.53	0.53	0.52	0.51	0.49	0.46	0.52	0.10	0.25	0.02	0.03	0.04	0.02				
0.7	B-11	S29.3	D	Commercial, Industrial	75	57	91	0.63	0.62	0.62	0.60	0.58	0.54	0.62	0.10	0.20	0.02	0.04	0.04	0.01				
0.4	B-11	S29.3	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.06	0.04	0.03	0.14	0.90	0.30	0.11	0.18	0.22	0.11				
0.8	B-11	S29.3	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10	0.44	0.90	0.25	0.22	0.36	0.43	0.18				
0.4	B-11	S29.3	D	Residential 2.5 acre lots	75	57	91	0.20	0.19	0.18	0.15	0.11	0.07	0.27	0.90	0.20	0.11	0.18	0.22	0.07				
1.0	B-12	S29.3	B	Commercial, Industrial	56	36	76	0.87	0.86	0.85	0.84	0.81	0.76	0.85	0.10	0.30	0.03	0.05	0.06	0.03				
0.4	B-12	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31	0.35	0.10	0.25	0.01	0.02	0.02	0.01				
2.2	B-12	S29.3	D	Commercial, Industrial	75	57	91	1.98	1.96	1.94	1.90	1.81	1.70	1.95	0.10	0.20	0.07	0.11	0.13	0.04				
0.4	B-12	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.32	0.31	0.31	0.30	0.29	0.27	0.31	0.20	0.30	0.02	0.04	0.05	0.02				
0.7	B-12	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.59	0.59	0.58	0.56	0.53	0.49	0.60	0.20	0.20	0.04	0.07	0.08	0.03				
1.1	B-12	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.83	0.81	0.79	0.75	0.68	0.60	0.89	0.40	0.20	0.13	0.22	0.26	0.09				
0.5	B-14	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.40	0.39	0.39	0.38	0.36	0.34	0.39	0.20	0.30	0.03	0.05	0.06	0.03				
1.2	B-14	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.99	0.98	0.97	0.94	0.89	0.82	1.00	0.20	0.25	0.07	0.12	0.14	0.06				
1.1	B-15	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.87	0.86	0.85	0.83	0.79	0.75	0.86	0.20	0.30	0.07	0.11	0.13	0.07				
1.4	B-15	S29.3	C	Residential 10+ dwellings/acre	69	50	86	1.16	1.15	1.13	1.10	1.03	0.96	1.16	0.20	0.25	0.08	0.14	0.17	0.07				
1.8	B-15	S29.3	D	Residential 10+ dwellings/acre	75	57	91	1.53	1.51	1.49	1.45	1.36	1.26	1.55	0.20	0.20	0.11	0.18	0.22	0.07				
1.9	B-16	S29.3	B	Residential 10+ dwellings/acre	56	36	76	1.51	1.49	1.47	1.43	1.36	1.29	1.49	0.20	0.30	0.11	0.19	0.23	0.11				
5.7	B-16	S29.3	C	Residential 10+ dwellings/acre	69	50	86	4.73	4.67	4.60	4.47	4.21	3.91	4.74	0.20	0.25	0.34	0.57	0.68	0.29				
0.6	B-17	S29.3	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46	0.51	0.10	0.30	0.02	0.03	0.04	0.02				
0.3	B-17	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.26	0.26	0.26	0.24	0.23	0.26	0.10	0.25	0.01	0.02	0.02	0.01				
0.2	B-17	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.17	0.16	0.16	0.16	0.15	0.14	0.17	0.20	0.25	0.01	0.02	0.02	0.01				
2.9	B-17	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	1.85	1.82	1.77	1.69	1.57	1.48	1.92	0.40	0.30	0.35	0.58	0.70	0.35				
11.4	B-17	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	8.10	7.94	7.72	7.35	6.67	5.98	8.58	0.40	0.25	1.37	2.28	2.74	1.14				
0.9	B-17	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.68	0.66	0.65	0.62	0.56	0.49	0.73	0.40	0.20	0.11	0.18	0.22	0.07				
2.4	B-18	S29.3	B	Residential 10+ dwellings/acre	56	36	76	1.90	1.88	1.86	1.81	1.72	1.63	1.89	0.20	0.30	0.14	0.24	0.29	0.14				
7.1	B-18	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	3.99	3.89	3.75	3.55	3.23	3.01	4.25	0.50	0.30	1.07	1.78	2.13	1.07				
3.6	B-18	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	2.35	2.28	2.21	2.07	1.83	1.60	2.57	0.50	0.25	0.54	0.90	1.08	0.45				
0.3	B-18	S29.3	D	Residential 5-7 dwellings/acre	75	57	91	0.21	0.21	0.20	0.19	0.17	0.14	0.23	0.50	0.20	0.05	0.08	0.09	0.03				
10.5	B-18	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	6.71	6.58	6.41	6.13	5.70	5.34	6.94	0.40	0.30	1.26	2.10	2.52	1.26				
9.4	B-18	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	6.68	6.55	6.37	6.06	5.50	4.93	7.07	0.40	0.25	1.13	1.88	2.26	0.94				
0.3	B-18	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.23	0.22	0.22	0.21	0.19	0.16	0.24	0.40	0.20	0.04	0.06	0.07	0.02				
7.7	B-21	S29.3	B	Residential 10+ dwellings/acre	56	36	76	6.11	6.04	5.95	5.80	5.53	5.22	6.05	0.20	0.30	0.46	0.77	0.92	0.46				
0.4	B-21	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.33	0.33	0.32	0.31	0.30	0.27	0.33	0.20	0.25	0.02	0.04	0.05	0.02				
1.7	B-21	S29.3	D	Residential 10+ dwellings/acre	75	57	91	1.44	1.43	1.41	1.37	1.29	1.19	1.46	0.20	0.20	0.10	0.17	0.20	0.07				
0.4	B-21	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.22	0.22	0.21	0.20	0.18	0.17	0.24	0.50	0.30	0.06	0.10	0.12	0.06				
0.2	B-23	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.17	0.10	0.25	0.01	0.01	0.01	0.01				
2.4	B-23	S29.3	D	Commercial, Industrial	75	57	91	2.16	2.14	2.12	2.07	1.98	1.86	2.13	0.10	0.20	0.07	0.12	0.14	0.05				
1.2	B-23	S29.3	B	Public Park	56	36	76	0.35	0.32	0.29	0.24	0.18	0.15	0.46	0.85	0.30	0.31	0.51	0.61	0.31				
1.7	B-23	S29.3	C	Public Park	69	50	86	0.76	0.71	0.66	0.56	0.41	0.27	0.97	0.85	0.25	0.43	0.72	0.87	0.36				
8.5	B-23	S29.3	D	Public Park	75	57	91	4.49	4.28	4.00	3.52	2.64	1.81	5.88	0.50	0.20	2.17	3.61	4.34	1.45				
0.7	B-23	S29.3	A	Residential 10+ dwellings/acre	32	17	52	0.53	0.53	0.52	0.52	0.50	0.47	0.51	0.20	0.40	0.04	0.07	0.08	0.06				
2.9	B-23	S29.3	B	Residential 10+ dwellings/acre	56	36	76	2.30	2.28	2.24	2.19	2.08	1.97	2.28	0.20	0.30	0.17	0.29	0.35	0.17				
2.9	B-23	S29.3	C	Residential 10+ dwellings/acre	69	50	86	2.40	2.38	2.34	2.27	2.14	1.99	2.41	0.20	0.25	0.17	0.29	0.35	0.15				
24.0	B-23	S29.3	D	Residential 10+ dwellings/acre	75	57	91	20.37	20.15	19.84	19.28	18.15	16.77	20.63	0.20	0.20	1.44	2.40	2.88	0.96				
0.1	B-23	S29.3	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02	0.07	0.90	0.20	0.03	0.05	0.05	0.02				
0.2	B-23	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.11	0.11	0.11	0.10	0.09	0.08	0.12	0.50	0.30	0.03	0.05	0.06	0.03				
0.1	B-23	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04	0.07	0.50	0.25	0.02	0.03	0.03	0.01				
0.5	B-23	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.32	0.31	0.31	0.29	0.27	0.25	0.33	0.40	0.30	0.06	0.10	0.12	0.06				
1.4	B-23	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	0.99	0.97	0.95	0.90	0.82	0.73	1.05	0.40	0.25	0.17	0.28	0.34	0.14				
7.4	B-23	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	5.55	5.45	5.31	5.06	4.58	4.06	5.98	0.40	0.20	0.89	1.48	1.78	0.59				
3.2																								

RANCHO MISSION VIEJO																								
PA-3 (Local Hydrology)																								
Unit Hydrograph Method Loss Rate Parameter Development - Watershed/Line B - Multiday Day 2																								
Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN			Low Loss Fraction (1-Y) x Area										A _c	F _p	Maximum Loss Rate (F _m) x Area			
									Storm Event (Year)															
						AMC			EV							100		100			Storm Event (Year)			
						II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	2.59	100	100	> 5			5	2	All	
						P ₂₄ (Inches)																		
0.3	B-5	S29.3	B	Commercial, Industrial	56	36	76	0.26	0.26	0.26	0.25	0.24	0.23	0.25	0.10	0.30	0.01	0.02	0.02	0.01				
0.3	B-5	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.26	0.26	0.26	0.24	0.23	0.26	0.10	0.25	0.01	0.02	0.02	0.01				
0.2	B-5	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.16	0.16	0.15	0.15	0.14	0.14	0.16	0.20	0.30	0.01	0.02	0.02	0.01				
0.6	B-5	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.50	0.49	0.48	0.47	0.44	0.41	0.50	0.20	0.25	0.04	0.06	0.07	0.03				
0.1	B-5	S29.3	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01	0.03	0.90	0.30	0.03	0.05	0.05	0.03				
0.4	B-6	S29.3	B	Commercial, Industrial	56	36	76	0.35	0.35	0.34	0.34	0.32	0.31	0.34	0.10	0.30	0.01	0.02	0.02	0.01				
0.5	B-6	S29.3	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38	0.44	0.10	0.25	0.02	0.03	0.03	0.01				
0.8	B-6	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.66	0.66	0.65	0.63	0.59	0.55	0.67	0.20	0.25	0.05	0.08	0.10	0.04				
0.4	B-6	S29.3	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.06	0.04	0.03	0.14	0.90	0.30	0.11	0.18	0.22	0.11				
1.2	B-6	S29.3	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15	0.66	0.90	0.25	0.32	0.54	0.65	0.27				
0.3	B-7	S29.3	B	Commercial, Industrial	56	36	76	0.26	0.26	0.26	0.25	0.24	0.23	0.25	0.10	0.30	0.01	0.02	0.02	0.01				
0.4	B-7	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31	0.35	0.10	0.25	0.01	0.02	0.02	0.01				
0.1	B-7	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.20	0.30	0.01	0.01	0.01	0.01				
0.3	B-7	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.25	0.25	0.24	0.24	0.22	0.21	0.25	0.20	0.25	0.02	0.03	0.04	0.02				
0.2	B-7	S29.3	B	Residential 2.5 acre lots	56	36	76	0.05	0.05	0.04	0.03	0.02	0.02	0.07	0.90	0.30	0.05	0.09	0.11	0.05				
1.5	B-7	S29.3	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18	0.83	0.90	0.25	0.41	0.68	0.81	0.34				
0.7	B-8	S29.3	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53	0.59	0.10	0.30	0.02	0.04	0.04	0.02				
2.5	B-8	S29.3	C	Commercial, Industrial	69	50	86	2.22	2.20	2.18	2.13	2.04	1.92	2.18	0.10	0.25	0.08	0.13	0.15	0.06				
0.3	B-8	S29.3	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23	0.27	0.10	0.20	0.01	0.02	0.02	0.01				
0.3	B-8	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.24	0.24	0.23	0.23	0.22	0.20	0.24	0.20	0.30	0.02	0.03	0.04	0.02				
0.1	B-8	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.20	0.25	0.01	0.01	0.01	0.01				
0.2	B-8	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14	0.17	0.20	0.20	0.01	0.02	0.02	0.01				
2.6	B-8	S29.3	B	Residential 2.5 acre lots	56	36	76	0.66	0.60	0.53	0.42	0.27	0.22	0.91	0.90	0.30	0.70	1.17	1.40	0.70				
9.3	B-8	S29.3	C	Residential 2.5 acre lots	69	50	86	3.86	3.61	3.29	2.75	1.86	1.13	5.15	0.90	0.25	2.51	4.19	5.02	2.09				
1.5	B-8	S29.3	D	Residential 2.5 acre lots	75	57	91	0.76	0.72	0.67	0.58	0.41	0.26	1.02	0.90	0.20	0.41	0.68	0.81	0.27				
2.4	B-9	S29.3	B	Commercial, Industrial	56	36	76	2.09	2.07	2.05	2.01	1.93	1.83	2.04	0.10	0.30	0.07	0.12	0.14	0.07				
0.2	B-9	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.17	0.10	0.25	0.01	0.01	0.01	0.01				
0.3	B-9	S29.3	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23	0.27	0.10	0.20	0.01	0.02	0.02	0.01				
2.1	B-9	S29.3	B	Residential 2.5 acre lots	56	36	76	0.53	0.48	0.43	0.34	0.22	0.18	0.73	0.90	0.30	0.57	0.95	1.13	0.57				
0.3	B-9	S29.3	C	Residential 2.5 acre lots	69	50	86	0.12	0.12	0.11	0.09	0.06	0.04	0.17	0.90	0.25	0.08	0.14	0.16	0.07				
0.5	B-9	S29.3	D	Residential 2.5 acre lots	75	57	91	0.25	0.24	0.22	0.19	0.14	0.09	0.34	0.90	0.20	0.14	0.23	0.27	0.09				
213.7					Low Loss Fraction (1-Y) =			0.323	0.337	0.356	0.388	0.443	0.496	0.280		F _m =	0.128	0.213	0.256	0.110				

RANCHO MISSION VIEJO
PA-3 Subwatershed C (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed C

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN	Low Loss Fraction (1-Y) x Area										A _s	F _p	Maximum Loss Rate (F _m) x Area			
							Storm Event (Year)												Storm Event (Year)			
							EV					HC										
							P ₂₄ (Inches)															
							AMC			100	50	25	10	5	2	25			100	> 5	5	2
II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	5.63												
1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.36	1.34	1.32	1.29	1.21	1.12	1.36	1.49	0.20	0.20	0.10	0.16	0.19	0.06	
0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.91	0.90	0.89	0.86	0.81	0.76	0.91	1.00	0.20	0.25	0.07	0.11	0.13	0.06	
0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14	0.17	0.19	0.20	0.20	0.01	0.02	0.02	0.01	
1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.33	1.32	1.31	1.28	1.22	1.15	1.33	1.40	0.10	0.20	0.05	0.08	0.09	0.04	
0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15	0.18	0.19	0.10	0.20	0.01	0.01	0.01	0.00	
0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.58	0.57	0.56	0.55	0.52	0.48	0.58	0.64	0.20	0.25	0.04	0.07	0.08	0.04	
0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.42	0.42	0.41	0.40	0.38	0.35	0.42	0.46	0.20	0.20	0.03	0.05	0.06	0.02	
1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.69	1.67	1.66	1.62	1.55	1.46	1.69	1.78	0.10	0.20	0.06	0.10	0.11	0.05	
2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93	2.25	2.36	0.10	0.20	0.08	0.13	0.15	0.05	
0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.66	0.66	0.65	0.63	0.59	0.55	0.66	0.73	0.20	0.25	0.05	0.08	0.10	0.04	
0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.59	0.59	0.58	0.56	0.53	0.49	0.59	0.65	0.20	0.20	0.04	0.07	0.08	0.03	
0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.18	0.19	0.10	0.20	0.01	0.01	0.01	0.01	
0.1	C1-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
0.2	C1-13	S27.2	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03	0.09	0.15	0.85	0.25	0.05	0.09	0.10	0.04	
6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.06	5.00	4.92	4.78	4.51	4.19	5.06	5.56	0.20	0.25	0.37	0.61	0.73	0.31	
6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.18	5.12	5.04	4.90	4.61	4.26	5.18	5.67	0.20	0.20	0.37	0.61	0.73	0.24	
1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30	1.51	1.59	0.10	0.25	0.05	0.09	0.10	0.04	
1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01	1.17	1.23	0.10	0.20	0.04	0.07	0.08	0.03	
3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.46	2.42	2.35	2.22	2.06	2.49	2.73	0.20	0.25	0.18	0.30	0.36	0.15	
2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.78	1.76	1.74	1.69	1.59	1.47	1.78	1.95	0.20	0.20	0.13	0.21	0.25	0.08	
3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.41	2.35	2.27	2.13	1.88	1.64	2.41	3.11	0.50	0.25	0.56	0.93	1.11	0.46	
6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.21	4.11	3.98	3.74	3.30	2.85	4.21	5.32	0.50	0.20	0.90	1.50	1.80	0.60	
0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.33	0.33	0.32	0.31	0.30	0.27	0.33	0.36	0.20	0.25	0.02	0.04	0.05	0.02	
0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05	0.15	0.25	0.90	0.20	0.08	0.14	0.16	0.05	
6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.43	4.32	4.17	3.91	3.46	3.02	4.43	5.72	0.50	0.25	1.02	1.70	2.04	0.85	
19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	13.39	13.08	12.66	11.91	10.52	9.06	13.39	16.94	0.50	0.20	2.87	4.78	5.73	1.91	
0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31	0.36	0.37	0.10	0.25	0.01	0.02	0.02	0.01	
0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08	0.29	0.52	0.90	0.25	0.19	0.32	0.38	0.16	
8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	5.80	5.65	5.45	5.12	4.52	3.95	5.80	7.49	0.50	0.25	1.34	2.23	2.67	1.11	
7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.19	5.07	4.90	4.61	4.07	3.51	5.19	6.56	0.50	0.20	1.11	1.85	2.22	0.74	
0.1	C1-17	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.09	0.20	0.25	0.01	0.01	0.01	0.01	
1.4	C1-17	S27.2	D	Commercial, Industrial	32	17	52	1.19	1.19	1.18	1.16	1.13	1.07	1.19	1.23	0.10	0.40	0.04	0.07	0.08	0.06	
4.6	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.18	4.15	4.10	4.03	3.87	3.66	4.18	4.40	0.10	0.30	0.14	0.24	0.29	0.14	
5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84	4.44	4.67	0.10	0.25	0.15	0.25	0.30	0.13	
3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.32	3.30	3.26	3.19	3.05	2.86	3.32	3.49	0.10	0.20	0.11	0.19	0.22	0.07	
5.0	C1-17	S27.2	D	Public Park	75	57	91	2.64	2.52	2.35	2.07	1.55	1.07	2.64	4.19	0.85	0.20	1.28	2.13	2.55	0.85	
4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.32	3.28	3.23	3.14	2.96	2.75	3.32	3.64	0.20	0.25	0.24	0.40	0.48	0.20	
12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	10.78	10.66	10.50	10.20	9.60	8.87	10.78	11.80	0.20	0.20	0.76	1.27	1.52	0.51	
1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.28	0.25	0.22	0.18	0.11	0.09	0.28	0.64	0.90	0.30	0.30	0.50	0.59	0.30	
1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18	0.62	1.12	0.90	0.25	0.41	0.68	0.81	0.34	
2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.26	1.20	1.11	0.96	0.69	0.44	1.26	2.08	0.90	0.20	0.68	1.13	1.35	0.45	
0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.05	0.05	0.05	0.05	0.04	0.06	0.07	0.50	0.30	0.02	0.03	0.03	0.02	
4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.93	2.86	2.76	2.59	2.29	2.00	2.93	3.79	0.50	0.25	0.68	1.13	1.35	0.56	
1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.98	0.96	0.93	0.87	0.77	0.66	0.98	1.24	0.50	0.20	0.21	0.35	0.42	0.14	
2.2	C1-17	S27.2	B	School	56	36	76	1.07	1.03	0.98	0.91	0.81	0.75	1.07	1.56	0.60	0.30	0.40	0.66	0.79	0.40	
6.8	C1-17	S27.2	C	School	69	50	86	4.03	3.90	3.73	3.44	2.93	2.47	4.03	5.56	0.60	0.25	1.22	2.04	2.45	1.02	
7.9	C1-17	S27.2	D	School	75	57	91	5.15	5.00	4.80	4.45	3.81	3.16	5.15	6.90	0.60	0.20	1.42	2.37	2.84	0.95	
0.1	C1-2	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
4.3	C1-2	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.65	3.61	3.56	3.46	3.25	3.00	3.65	4.00	0.20	0.20	0.26	0.43	0.52	0.17	
2.8	C1-20	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.32	2.29	2.26	2.20	2.07	1.92	2.32	2.55	0.20	0.25	0.17	0.28	0.34	0.14	
0.1	C1-21	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
6.3	C1-21	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.22	5.16	5.08	4.94	4.66	4.32	5.22	5.74	0.20	0.25	0.38	0.63	0.76	0.32	
0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14	0.17	0.19	0.20	0.20	0.01	0.02	0.02	0.01	
0.7	C1-21	S27.2	C	School	69	50	86	0.41	0.40	0.38	0.35	0.30	0.25	0.41	0.57	0.60	0.25	0.13	0.21	0.25	0.11	
0.1	C1-22	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.09	0.20	0.25	0.01	0.01	0.01	0.01	
2.0	C1-22	S27.2	C	Public Park	69	50	86	0.89	0.84	0.77	0.66	0.48	0.32	0.89	1.52	0.85	0.25	0.51	0.85	1.02	0.43	
2.1	C1-22	S27.2	D	Public Park	75	57	91	1.11	1.06	0.99	0.87	0.65	0.45	1.11	1.76	0.85	0.25	0.54	0.89	1.07	0.36	
5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.64	4.59	4.52	4.39	4.14	3.84	4.64	5.10	0.20	0.25	0.34	0.56	0.67	0.28	
0.9	C1-22																					

RANCHO MISSION VIEJO
PA-3 Subwatershed C (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed C

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN	Low Loss Fraction (1-Y) x Area										A _s	F _p	Maximum Loss Rate (F _m) x Area							
							Storm Event (Year)												Storm Event (Year)							
							EV					HC							> 5		5		2		All	
							P ₂₄ (Inches)																			
							II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49			5.63							
11.2	C2-5	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	7.85	7.67	7.42	6.98	6.17	5.31	7.85	9.93	0.50	0.20	1.68	2.80	3.36	1.12					
7.8	C2-5	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	5.54	5.43	5.28	5.03	4.56	4.09	5.54	6.74	0.40	0.25	0.94	1.56	1.87	0.78					
1.4	C2-5	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	1.05	1.03	1.00	0.96	0.87	0.77	1.05	1.26	0.40	0.20	0.17	0.28	0.34	0.11					
5.5	C2-6	S27.2	C	Commercial, Industrial	69	50	86	4.89	4.85	4.79	4.70	4.49	4.22	4.89	5.14	0.10	0.25	0.17	0.28	0.33	0.14					
1.9	C2-6	S27.2	D	Commercial, Industrial	75	57	91	1.71	1.69	1.68	1.64	1.57	1.47	1.71	1.79	0.10	0.20	0.06	0.10	0.11	0.04					
2.5	C2-6	S27.2	C	Public Park	69	50	86	1.11	1.05	0.97	0.83	0.60	0.40	1.11	1.90	0.85	0.25	0.64	1.06	1.28	0.53					
0.9	C2-6	S27.2	D	Public Park	75	57	91	0.48	0.45	0.42	0.37	0.28	0.19	0.48	0.75	0.85	0.20	0.23	0.38	0.46	0.15					
36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	30.18	29.83	29.37	28.54	26.90	24.99	30.18	33.17	0.20	0.25	2.18	3.64	4.37	1.82					
13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.55	11.42	11.25	10.93	10.28	9.50	11.55	12.64	0.20	0.20	0.82	1.36	1.63	0.54					
4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.95	1.82	1.66	1.39	0.94	0.57	1.95	3.52	0.90	0.25	1.27	2.12	2.54	1.06					
2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.06	1.00	0.93	0.81	0.58	0.37	1.06	1.74	0.90	0.20	0.57	0.95	1.13	0.38					
0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.06	0.06	0.05	0.05	0.04	0.04	0.06	0.08	0.60	0.25	0.02	0.03	0.04	0.02					
0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.13	0.20	0.25	0.50	0.25	0.05	0.08	0.09	0.04					
0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05	0.07	0.09	0.50	0.20	0.02	0.03	0.03	0.01					
0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.08	0.40	0.30	0.01	0.02	0.02	0.01					
9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.61	6.48	6.30	6.00	5.44	4.88	6.61	8.04	0.40	0.25	1.12	1.86	2.23	0.93					
0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.68	0.66	0.65	0.62	0.56	0.49	0.68	0.81	0.40	0.20	0.11	0.18	0.22	0.07					
0.3	C2-7	S27.2	D	Apartments	75	57	91	0.25	0.25	0.25	0.24	0.23	0.21	0.25	0.28	0.20	0.20	0.02	0.03	0.04	0.01					
0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46	0.52	0.55	0.10	0.30	0.02	0.03	0.04	0.02					
9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.08	8.02	7.93	7.77	7.43	6.98	8.08	8.50	0.10	0.25	0.27	0.46	0.55	0.23					
6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.02	5.97	5.91	5.79	5.52	5.18	6.02	6.32	0.10	0.20	0.20	0.34	0.40	0.13					
0.5	C2-7	S27.2	C	Public Park	69	50	86	0.22	0.21	0.19	0.17	0.12	0.08	0.22	0.38	0.85	0.25	0.13	0.21	0.26	0.11					
2.6	C2-7	S27.2	D	Public Park	75	57	91	1.37	1.31	1.22	1.08	0.81	0.55	1.37	2.18	0.85	0.20	0.66	1.11	1.33	0.44					
0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.45	0.45	0.45	0.44	0.43	0.41	0.45	0.48	0.20	0.40	0.04	0.06	0.07	0.05					
2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.90	1.88	1.86	1.81	1.72	1.63	1.90	2.10	0.20	0.30	0.14	0.24	0.29	0.14					
10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	8.79	8.69	8.55	8.31	7.83	7.28	8.79	9.66	0.20	0.25	0.64	1.06	1.27	0.53					
0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.51	0.50	0.50	0.48	0.45	0.42	0.51	0.56	0.20	0.20	0.04	0.06	0.07	0.02					
1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.79	0.74	0.67	0.56	0.38	0.23	0.79	1.42	0.90	0.25	0.51	0.86	1.03	0.43					
0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.35	0.33	0.31	0.27	0.19	0.12	0.35	0.58	0.90	0.20	0.19	0.32	0.38	0.13					
14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	8.47	8.20	7.84	7.22	6.17	5.20	8.47	11.70	0.60	0.25	2.57	4.29	5.15	2.15					
15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	9.97	9.69	9.30	8.62	7.38	6.12	9.97	13.35	0.60	0.20	2.75	4.59	5.51	1.84					
0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.19	0.19	0.19	0.18	0.18	0.17	0.19	0.23	0.50	0.40	0.06	0.10	0.12	0.08					
1.5	C2-7	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.84	0.82	0.79	0.75	0.68	0.64	0.84	1.12	0.50	0.30	0.23	0.38	0.45	0.23					
5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.24	3.24	3.12	2.93	2.59	2.27	3.32	4.29	0.50	0.25	0.77	1.28	1.53	0.64					
0.9	C2-7	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.63	0.62	0.60	0.56	0.50	0.43	0.63	0.80	0.50	0.20	0.14	0.23	0.27	0.09					
3.5	C2-7	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	2.24	2.19	2.14	2.04	1.90	1.78	2.24	2.77	0.40	0.30	0.42	0.70	0.84	0.42					
8.4	C2-7	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	5.97	5.85	5.69	5.41	4.91	4.41	5.97	7.26	0.40	0.25	1.01	1.68	2.02	0.84					
2.8	C2-7	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	2.10	2.06	2.01	1.91	1.73	1.54	2.10	2.52	0.40	0.20	0.34	0.56	0.67	0.22					
0.6	C2-7	S27.2	B	School	56	36	76	0.29	0.28	0.27	0.25	0.22	0.20	0.29	0.42	0.60	0.30	0.11	0.18	0.22	0.11					
1.5	C2-7	S27.2	C	School	69	50	86	0.89	0.86	0.82	0.76	0.65	0.55	0.89	1.23	0.60	0.25	0.27	0.45	0.54	0.23					
3.5	C2-7	S27.2	D	School	75	57	91	2.28	2.22	2.13	1.97	1.69	1.40	2.28	3.06	0.60	0.20	0.63	1.05	1.26	0.42					
0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53	0.61	0.64	0.10	0.30	0.02	0.04	0.04	0.02					
0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.18	0.19	0.10	0.25	0.01	0.01	0.01	0.01					
0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.36	0.38	0.10	0.20	0.01	0.02	0.02	0.01					
5.7	C2-8	S27.2	B	Public Park	56	36	76	1.66	1.54	1.39	1.15	0.85	0.73	1.66	3.44	0.85	0.30	1.45	2.42	2.91	1.45					
4.5	C2-8	S27.2	C	Public Park	69	50	86	2.00	1.89	1.74	1.49	1.07	0.73	2.00	3.42	0.85	0.25	1.15	1.91	2.30	0.96					
9.4	C2-8	S27.2	D	Public Park	75	57	91	4.97	4.74	4.43	3.89	2.92	2.00	4.97	7.87	0.85	0.20	2.40	4.00	4.79	1.60					
0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.11	0.11	0.10	0.09	0.06	0.04	0.11	0.18	1.00	0.25	0.06	0.10	0.12	0.05					
1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.59	0.56	0.51	0.43	0.29	0.15	0.59	1.01	1.00	0.25	0.36	0.60	0.72	0.30					
1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.96	0.92	0.86	0.75	0.55	0.34	0.96	1.51	1.00	0.25	0.51	0.85	1.02	0.43					
0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.40	0.39	0.37	0.33	0.27	0.19	0.40	0.56	1.00	0.20	0.18	0.30	0.36	0.12					
1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.64	0.60	0.54	0.45	0.29	0.14	0.64	1.14	1.00	0.25	0.42	0.70	0.84	0.35					
0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.20	0.18	0.13	0.08	0.23	0.36	1.00	0.20	0.12	0.20	0.24	0.08					
8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	4.75	4.53	4.24	3.71	2.70	1.66	4.75												

RANCHO MISSION VIEJO
PA-3 Subwatershed C (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed C

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN	Low Loss Fraction (1-Y) x Area												A _s	F _p	Maximum Loss Rate (F _m) x Area			
							Storm Event (Year)														Storm Event (Year)			
							EV						HC								EV		HC	
							100						5								2		100	
							AMC			P ₂₄ (Inches)														
II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	5.63														
> 5	5	2	All																					
2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.48	1.40	1.30	1.12	0.78	0.45	1.48	2.42	1.00	0.25	0.84	1.40	1.68	0.70			
0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.06	0.06	0.06	0.05	0.04	0.03	0.06	0.09	1.00	0.20	0.03	0.05	0.06	0.02			
0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.03	0.02	0.01	0.00	0.00	0.00	0.03	0.15	1.00	0.40	0.12	0.20	0.24	0.16			
0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.06	0.03	0.01	0.09	0.20	1.00	0.30	0.09	0.15	0.18	0.09			
3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	1.67	1.57	1.45	1.23	0.82	0.44	1.67	2.86	1.00	0.25	1.02	1.70	2.04	0.85			
0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.39	0.29	0.19	0.48	0.73	1.00	0.20	0.24	0.40	0.48	0.16			
2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.23	0.23	0.22	0.22	0.21	0.20	0.23	0.65	0.90	0.40	0.65	1.08	1.30	0.86			
0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.18	0.16	0.14	0.11	0.07	0.06	0.18	0.41	0.90	0.30	0.19	0.32	0.38	0.19			
3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.45	1.36	1.24	1.04	0.70	0.42	1.45	2.62	0.90	0.25	0.95	1.58	1.89	0.79			
1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.55	0.53	0.49	0.42	0.30	0.19	0.55	0.91	0.90	0.20	0.30	0.50	0.59	0.20			
0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.03	0.02	0.00	0.06	0.13	1.00	0.30	0.06	0.10	0.12	0.06			
1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	0.93	0.88	0.81	0.68	0.46	0.24	0.93	1.60	1.00	0.25	0.57	0.95	1.14	0.48			
0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.06	0.05	0.05	0.04	0.03	0.02	0.06	0.09	1.00	0.25	0.03	0.05	0.06	0.03			
1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.47	0.32	0.17	0.64	1.09	1.00	0.25	0.39	0.65	0.78	0.33			
0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.05	0.04	0.02	0.06	0.09	1.00	0.20	0.03	0.05	0.06	0.02			
0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.06	0.06	0.06	0.04	0.03	0.07	0.09	1.00	0.20	0.03	0.05	0.06	0.02			
1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.83	0.79	0.72	0.61	0.41	0.22	0.83	1.43	1.00	0.25	0.51	0.85	1.02	0.43			
0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.05	0.04	0.02	0.06	0.09	1.00	0.20	0.03	0.05	0.06	0.02			
3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	1.81	1.71	1.57	1.33	0.90	0.48	1.81	3.11	1.00	0.25	1.11	1.85	2.22	0.93			
1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15	0.50	0.90	0.90	0.25	0.32	0.54	0.65	0.27			
1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.71	0.69	0.66	0.61	0.52	0.44	0.71	0.98	0.60	0.25	0.22	0.36	0.43	0.18			
0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.11	0.07	0.04	0.15	0.25	1.00	0.25	0.09	0.15	0.18	0.08			
1292.3	Low Loss Fraction (1-Y) =							0.284	0.299	0.318	0.351	0.413	0.479	0.284	0.127		F _m =	0.129	0.216	0.259	0.101			

RANCHO MISSION VIEJO
PA-3 Subwatershed C (Local Hydrology)
Unit Hydrograph Method Loss Rate Parameter Development - Watershed C

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN	Low Loss Fraction (1-Y) x Area										A _s	F _p	Maximum Loss Rate (F _m) x Area			
							Storm Event (Year)												Storm Event (Year)			
							EV					HC										
							P ₂₄ (Inches)															
							AMC			100	50	25	10	5	2	25			100	> 5	5	2
II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	2.59												
1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.36	1.34	1.32	1.29	1.21	1.12	1.36	1.38	0.20	0.20	0.10	0.16	0.19	0.06	
0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.91	0.90	0.89	0.86	0.81	0.76	0.91	0.91	0.20	0.25	0.07	0.11	0.13	0.06	
0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14	0.17	0.17	0.20	0.20	0.01	0.02	0.02	0.01	
1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.33	1.32	1.31	1.28	1.22	1.15	1.33	1.31	0.10	0.20	0.05	0.08	0.09	0.04	
0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15	0.18	0.18	0.10	0.20	0.01	0.01	0.01	0.00	
0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.58	0.57	0.56	0.55	0.52	0.48	0.58	0.58	0.20	0.25	0.04	0.07	0.08	0.04	
0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.42	0.42	0.41	0.40	0.38	0.35	0.42	0.43	0.20	0.20	0.03	0.05	0.06	0.02	
1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.69	1.67	1.66	1.62	1.55	1.46	1.69	1.66	0.10	0.25	0.06	0.10	0.11	0.05	
2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93	2.25	2.21	0.10	0.20	0.08	0.13	0.15	0.05	
0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.66	0.66	0.65	0.63	0.59	0.55	0.66	0.67	0.20	0.25	0.05	0.08	0.10	0.04	
0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.59	0.59	0.58	0.56	0.53	0.49	0.59	0.60	0.20	0.20	0.04	0.07	0.08	0.03	
0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.18	0.17	0.10	0.25	0.01	0.01	0.01	0.01	
0.1	C1-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
0.2	C1-13	S27.2	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03	0.09	0.11	0.85	0.25	0.05	0.09	0.10	0.04	
6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.06	5.00	4.92	4.78	4.51	4.19	5.06	5.07	0.20	0.25	0.37	0.61	0.73	0.31	
6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.18	5.12	5.04	4.90	4.61	4.26	5.18	5.24	0.20	0.20	0.37	0.61	0.73	0.24	
1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30	1.51	1.48	0.10	0.25	0.05	0.09	0.10	0.04	
1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01	1.17	1.15	0.10	0.20	0.04	0.07	0.08	0.03	
3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.46	2.42	2.35	2.22	2.06	2.49	2.50	0.20	0.25	0.18	0.30	0.36	0.15	
2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.78	1.76	1.74	1.69	1.59	1.47	1.78	1.81	0.20	0.20	0.13	0.21	0.25	0.08	
3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.41	2.35	2.27	2.13	1.88	1.64	2.41	2.64	0.50	0.25	0.56	0.93	1.11	0.46	
6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.21	4.11	3.98	3.74	3.30	2.85	4.21	4.69	0.50	0.20	0.90	1.50	1.80	0.60	
0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.33	0.33	0.32	0.31	0.30	0.27	0.33	0.33	0.20	0.25	0.02	0.04	0.05	0.02	
0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05	0.15	0.20	0.90	0.20	0.08	0.14	0.16	0.05	
6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.43	4.32	4.17	3.91	3.46	3.02	4.43	4.85	0.50	0.25	1.02	1.70	2.04	0.85	
19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	13.39	13.08	12.66	11.91	10.52	9.06	13.39	14.94	0.50	0.20	2.87	4.78	5.73	1.91	
0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31	0.36	0.35	0.10	0.25	0.01	0.02	0.02	0.01	
0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08	0.29	0.39	0.90	0.25	0.19	0.32	0.38	0.16	
8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	5.80	5.65	5.45	5.12	4.52	3.95	5.80	6.34	0.50	0.25	1.34	2.23	2.67	1.11	
7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.19	5.07	4.90	4.61	4.07	3.51	5.19	5.79	0.50	0.20	1.11	1.85	2.22	0.74	
0.1	C1-17	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.08	0.20	0.25	0.01	0.01	0.01	0.01	
1.4	C1-17	S27.2	A	Commercial, Industrial	32	17	52	1.19	1.19	1.18	1.16	1.13	1.07	1.19	1.15	0.10	0.40	0.04	0.07	0.08	0.06	
4.6	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.18	4.15	4.10	4.03	3.87	3.66	4.18	4.07	0.10	0.30	0.14	0.24	0.29	0.14	
5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84	4.44	4.36	0.10	0.25	0.15	0.25	0.30	0.13	
3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.32	3.30	3.26	3.19	3.05	2.86	3.32	3.28	0.10	0.20	0.11	0.19	0.22	0.07	
5.0	C1-17	S27.2	D	Public Park	75	57	91	2.64	2.52	2.35	2.07	1.55	1.07	2.64	3.46	0.85	0.20	1.28	2.13	2.55	0.85	
4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.32	3.28	3.23	3.14	2.96	2.75	3.32	3.33	0.20	0.25	0.24	0.40	0.48	0.20	
12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	10.78	10.66	10.50	10.20	9.60	8.87	10.78	10.92	0.20	0.20	0.76	1.27	1.52	0.51	
1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.28	0.25	0.22	0.18	0.11	0.09	0.28	0.38	0.90	0.30	0.30	0.50	0.59	0.30	
1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18	0.62	0.83	0.90	0.25	0.41	0.68	0.81	0.34	
2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.26	1.20	1.11	0.96	0.69	0.44	1.26	1.70	0.90	0.20	0.68	1.13	1.35	0.45	
0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.05	0.05	0.05	0.05	0.04	0.06	0.06	0.50	0.30	0.02	0.03	0.03	0.02	
4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.93	2.86	2.75	2.59	2.29	2.00	2.93	3.21	0.50	0.25	0.68	1.13	1.35	0.56	
1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.98	0.96	0.93	0.87	0.77	0.66	0.98	1.10	0.50	0.20	0.21	0.35	0.42	0.14	
2.2	C1-17	S27.2	B	School	56	36	76	1.07	1.03	0.98	0.91	0.81	0.75	1.07	1.18	0.60	0.30	0.40	0.66	0.79	0.40	
6.8	C1-17	S27.2	C	School	69	50	86	4.03	3.90	3.73	3.44	2.93	2.47	4.03	4.58	0.60	0.25	1.22	2.04	2.45	1.02	
7.9	C1-17	S27.2	D	School	75	57	91	5.15	5.00	4.80	4.45	3.81	3.16	5.15	5.98	0.60	0.20	1.42	2.37	2.84	0.95	
0.1	C1-2	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
4.3	C1-2	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.65	3.61	3.56	3.46	3.25	3.00	3.65	3.70	0.20	0.20	0.26	0.43	0.52	0.17	
2.8	C1-20	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.32	2.29	2.26	2.20	2.07	1.92	2.32	2.33	0.20	0.25	0.17	0.28	0.34	0.14	
0.1	C1-21	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
6.3	C1-21	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.22	5.16	5.08	4.94	4.66	4.32	5.22	5.24	0.20	0.25	0.38	0.63	0.76	0.32	
0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14	0.17	0.17	0.20	0.20	0.01	0.02	0.02	0.01	
0.7	C1-21	S27.2	C	School	69	50	86	0.41	0.40	0.38	0.35	0.30	0.25	0.41	0.47	0.60	0.25	0.13	0.21	0.25	0.11	
0.1	C1-22	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.08	0.20	0.25	0.01	0.01	0.01	0.01	
2.0	C1-22	S27.2	C	Public Park	69	50	86	0.89	0.84	0.77	0.68	0.48	0.32	0.89	1.15	0.85	0.25	0.51	0.85	1.02	0.43	
2.1	C1-22	S27.2	D	Public Park	75	57	91	1.11	1.06	0.99	0.87	0.65	0.45	1.11	1.45	0.85	0.25	0.54	0.89	1.07	0.36	
5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.64	4.59	4.52	4.39	4.14	3.84	4.64	4.66	0.20	0.25	0.34	0.56	0.67	0.28	
0.9	C1-22</																					

RANCHO MISSION VIEJO
PA-3 Subwatershed C (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed C

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN	Low Loss Fraction (1-Y) x Area										A _s	F _p	Maximum Loss Rate (F _m) x Area							
							Storm Event (Year)												Storm Event (Year)							
							EV					HC							> 5		5		2		All	
							P ₂₄ (Inches)																			
							100	50	25	10	5	2	25	100												
AMC		II		I		III		4.49		4.12		3.68		3.03		2.12		1.44		4.49		2.59				
	2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.16	1.09	0.99	0.83	0.56	0.34	1.16	1.55	0.90	0.25	0.76	1.26	1.51	0.63				
	1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.50	0.48	0.44	0.38	0.28	0.18	0.50	0.68	0.90	0.20	0.27	0.45	0.54	0.18				
	0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.13	0.13	0.12	0.11	0.10	0.09	0.13	0.14	0.50	0.25	0.03	0.05	0.06	0.03				
	0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05	0.07	0.08	0.50	0.20	0.02	0.03	0.03	0.01				
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.80	0.79	0.78	0.77	0.73	0.69	0.80	0.78	0.10	0.25	0.03	0.05	0.05	0.02				
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46	0.54	0.53	0.10	0.20	0.02	0.03	0.04	0.01				
	6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.10	4.00	3.86	3.62	3.20	2.80	4.10	4.49	0.50	0.25	0.95	1.58	1.89	0.79				
	3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.59	2.53	2.45	2.31	2.04	1.76	2.59	2.89	0.50	0.20	0.56	0.93	1.11	0.37				
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.33	1.31	1.29	1.25	1.18	1.10	1.33	1.33	0.20	0.25	0.10	0.16	0.19	0.08				
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.25	9.15	9.01	8.76	8.24	7.61	9.25	9.37	0.20	0.20	0.65	1.09	1.31	0.44				
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00	1.15	1.13	0.10	0.25	0.04	0.07	0.08	0.03				
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01	1.17	1.15	0.10	0.20	0.04	0.07	0.08	0.03				
	1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.91	0.90	0.89	0.86	0.81	0.76	0.91	0.91	0.20	0.25	0.07	0.11	0.13	0.06				
	7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.94	5.88	5.79	5.62	5.29	4.89	5.94	6.02	0.20	0.20	0.42	0.70	0.84	0.28				
	0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.26	0.25	0.24	0.23	0.19	0.16	0.26	0.30	0.60	0.20	0.07	0.12	0.14	0.05				
	4.9	C2-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.19	3.11	3.00	2.82	2.49	2.18	3.19	3.49	0.50	0.25	0.74	1.23	1.47	0.61				
	9.3	C2-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	6.52	6.37	6.16	5.80	5.12	4.41	6.52	7.28	0.50	0.20	1.40	2.33	2.79	0.93				
	0.3	C2-15	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.18	0.16	0.21	0.23	0.40	0.25	0.04	0.06	0.07	0.03				
	0.1	C2-15	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05	0.08	0.08	0.40	0.20	0.01	0.02	0.02	0.01				
	3.3	C2-2	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.95	1.89	1.81	1.67	1.42	1.20	1.95	2.22	0.60	0.25	0.59	0.99	1.19	0.50				
	4.4	C2-2	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	3.13	3.06	2.98	2.84	2.57	2.31	3.13	3.31	0.40	0.25	0.53	0.88	1.06	0.44				
	0.7	C2-20	S27.2	D	Residential 2.5 acre lots	75	57	91	0.35	0.33	0.31	0.27	0.19	0.12	0.35	0.48	0.90	0.20	0.19	0.32	0.38	0.13				
	0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.13	0.13	0.12	0.11	0.10	0.08	0.13	0.15	0.60	0.20	0.04	0.06	0.07	0.02				
	1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.66	0.62	0.58	0.50	0.36	0.23	0.66	0.88	0.90	0.20	0.35	0.59	0.70	0.23				
	0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.33	0.32	0.30	0.28	0.24	0.20	0.33	0.38	0.60	0.20	0.09	0.15	0.18	0.06				
	0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.20	0.18	0.16	0.13	0.08	0.07	0.20	0.28	0.90	0.30	0.22	0.36	0.43	0.22				
	1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15	0.50	0.66	0.90	0.25	0.32	0.54	0.65	0.27				
	0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.10	0.10	0.09	0.08	0.06	0.04	0.10	0.14	0.90	0.20	0.05	0.09	0.11	0.04				
	0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.19	0.19	0.18	0.17	0.15	0.14	0.19	0.21	0.60	0.30	0.07	0.12	0.14	0.07				
	1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.01	0.97	0.93	0.86	0.73	0.62	1.01	1.14	0.60	0.25	0.31	0.51	0.61	0.26				
	0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.06	0.06	0.06	0.05	0.04	0.07	0.08	0.60	0.20	0.02	0.03	0.04	0.01				
	0.8	C2-23	S27.2	C	Apartments	69	50	86	0.66	0.66	0.65	0.63	0.59	0.55	0.66	0.67	0.20	0.25	0.05	0.08	0.10	0.04				
	0.4	C2-23	S27.2	D	Apartments	75	57	91	0.34	0.34	0.33	0.32	0.30	0.28	0.34	0.34	0.20	0.20	0.02	0.04	0.05	0.02				
	0.9	C2-23	S27.2	B	Public Park	56	36	76	0.26	0.24	0.22	0.18	0.13	0.11	0.26	0.34	0.85	0.30	0.23	0.38	0.46	0.23				
	0.4	C2-23	S27.2	C	Public Park	69	50	86	0.18	0.17	0.15	0.13	0.10	0.06	0.18	0.23	0.85	0.25	0.10	0.17	0.20	0.09				
	0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01	0.03	0.03	0.90	0.30	0.03	0.05	0.05	0.03				
	0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08	0.29	0.39	0.90	0.25	0.19	0.32	0.38	0.16				
	3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.60	1.54	1.48	1.37	1.21	1.12	1.60	1.77	0.60	0.30	0.59	0.99	1.19	0.59				
	2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.24	1.20	1.15	1.06	0.91	0.76	1.24	1.41	0.60	0.25	0.38	0.63	0.76	0.32				
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.07	3.03	2.99	2.90	2.73	2.54	3.07	3.08	0.20	0.25	0.22	0.37	0.44	0.19				
	6.8	C2-24	S27.2	D	Apartments	75	57	91	5.77	5.71	5.62	5.46	5.14	4.75	5.77	5.85	0.20	0.20	0.41	0.68	0.82	0.27				
	0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.58	0.57	0.56	0.55	0.52	0.48	0.58	0.58	0.20	0.25	0.04	0.07	0.08	0.04				
	2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.21	2.18	2.15	2.09	1.97	1.82	2.21	2.24	0.20	0.20	0.16	0.26	0.31	0.10				
	2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.30	1.26	1.21	1.11	0.95	0.80	1.30	1.48	0.60	0.25	0.40	0.66	0.79	0.33				
	9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	6.45	6.27	6.02	5.58	4.77	3.96	6.45	7.49	0.60	0.20	1.78	2.97	3.56	1.19				
	1.3	C2-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.91	0.89	0.86	0.81	0.72	0.62	0.91	1.02	0.50	0.20	0.20	0.33	0.39	0.13				
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30	1.51	1.48	0.10	0.25	0.05	0.09	0.10	0.04				
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.60	2.58	2.56	2.50	2.39	2.24	2.60	2.57	0.10	0.20	0.09	0.15	0.17	0.06				
	3.6	C2-25	S27.2	D	Public Park	75	57	91	1.90	1.81	1.70	1.49	1.12	0.77	1.90	2.49	0.85	0.20	0.92	1.53	1.84	0.61				
	4.5	C2-25	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.73	3.69	3.63	3.53	3.33	3.09	3.73	3.74	0.20	0.25	0.27	0.45	0.54	0.23				
	4.5	C2-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.82	3.78	3.72	3.62	3.40	3.14	3.82	3.87	0.20	0.20	0.27	0.45	0.54	0.18				
	0.1	C2-25	S27.2	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02	0.05	0.07										

RANCHO MISSION VIEJO
PA-3 Subwatershed C (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed C

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN	Low Loss Fraction (1-Y) x Area										A _s	F _p	Maximum Loss Rate (F _m) x Area							
							Storm Event (Year)												Storm Event (Year)							
							EV					HC							> 5		5		2		All	
							P ₂₄ (Inches)																			
							II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49			2.59							
11.2	C2-5	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	7.85	7.67	7.42	6.98	6.17	5.31	7.85	8.76	0.50	0.20	1.68	2.80	3.36	1.12					
7.8	C2-5	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	5.54	5.43	5.28	5.03	4.56	4.09	5.54	5.87	0.40	0.25	0.94	1.56	1.87	0.78					
1.4	C2-5	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	1.05	1.03	1.00	0.96	0.87	0.77	1.05	1.13	0.40	0.20	0.17	0.28	0.34	0.11					
5.5	C2-6	S27.2	C	Commercial, Industrial	69	50	86	4.89	4.85	4.79	4.70	4.49	4.22	4.89	4.79	0.10	0.25	0.17	0.28	0.33	0.14					
1.9	C2-6	S27.2	D	Commercial, Industrial	75	57	91	1.71	1.69	1.68	1.64	1.57	1.47	1.71	1.68	0.10	0.20	0.06	0.10	0.11	0.04					
2.5	C2-6	S27.2	C	Public Park	69	50	86	1.11	1.05	0.97	0.83	0.60	0.40	1.11	1.43	0.85	0.25	0.64	1.06	1.28	0.53					
0.9	C2-6	S27.2	D	Public Park	75	57	91	0.48	0.45	0.42	0.37	0.28	0.19	0.48	0.62	0.85	0.20	0.23	0.38	0.46	0.15					
36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	30.18	29.83	29.37	28.54	26.90	24.99	30.18	30.28	0.20	0.25	2.18	3.64	4.37	1.82					
13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.55	11.42	11.25	10.93	10.28	9.50	11.55	11.69	0.20	0.20	0.82	1.36	1.63	0.54					
4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.95	1.82	1.66	1.39	0.94	0.57	1.95	2.60	0.90	0.25	1.27	2.12	2.54	1.06					
2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.06	1.00	0.93	0.81	0.58	0.37	1.06	1.43	0.90	0.20	0.57	0.95	1.13	0.38					
0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.06	0.06	0.05	0.05	0.04	0.04	0.06	0.07	0.60	0.25	0.02	0.03	0.04	0.02					
0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.13	0.20	0.21	0.50	0.25	0.05	0.08	0.09	0.04					
0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05	0.07	0.08	0.50	0.20	0.02	0.03	0.03	0.01					
0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.07	0.40	0.30	0.01	0.02	0.02	0.01					
9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.61	6.48	6.30	6.00	5.44	4.88	6.61	7.00	0.40	0.25	1.12	1.86	2.23	0.93					
0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.68	0.66	0.65	0.62	0.56	0.49	0.68	0.73	0.40	0.20	0.11	0.18	0.22	0.07					
0.3	C2-7	S27.2	D	Apartments	75	57	91	0.25	0.25	0.25	0.24	0.23	0.21	0.25	0.26	0.20	0.20	0.02	0.03	0.04	0.01					
0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46	0.52	0.51	0.10	0.30	0.02	0.03	0.04	0.02					
9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.08	8.02	7.93	7.77	7.43	6.98	8.08	7.93	0.10	0.25	0.27	0.46	0.55	0.23					
6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.02	5.97	5.91	5.79	5.52	5.18	6.02	5.93	0.10	0.20	0.20	0.34	0.40	0.13					
0.5	C2-7	S27.2	C	Public Park	69	50	86	0.22	0.21	0.19	0.17	0.12	0.08	0.22	0.29	0.85	0.25	0.13	0.21	0.26	0.11					
2.6	C2-7	S27.2	D	Public Park	75	57	91	1.37	1.31	1.22	1.08	0.81	0.55	1.37	1.80	0.85	0.20	0.66	1.11	1.33	0.44					
0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.45	0.45	0.45	0.44	0.43	0.41	0.45	0.44	0.20	0.40	0.04	0.06	0.07	0.05					
2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.90	1.88	1.86	1.81	1.72	1.63	1.90	1.89	0.20	0.30	0.14	0.24	0.29	0.14					
10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	8.79	8.69	8.55	8.31	7.83	7.28	8.79	8.82	0.20	0.25	0.64	1.06	1.27	0.53					
0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.51	0.50	0.50	0.48	0.45	0.42	0.51	0.52	0.20	0.20	0.04	0.06	0.07	0.02					
1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.79	0.74	0.67	0.56	0.38	0.23	0.79	1.05	0.90	0.25	0.51	0.86	1.03	0.43					
0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.35	0.33	0.31	0.27	0.19	0.12	0.35	0.48	0.90	0.20	0.19	0.32	0.38	0.13					
14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	8.47	8.20	7.84	7.22	6.17	5.20	8.47	9.62	0.60	0.25	2.57	4.29	5.15	2.15					
15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	9.97	9.69	9.30	8.62	7.38	6.12	9.97	11.58	0.60	0.20	2.75	4.59	5.51	1.84					
0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.19	0.19	0.19	0.18	0.18	0.17	0.19	0.19	0.50	0.40	0.06	0.10	0.12	0.08					
1.5	C2-7	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.84	0.82	0.79	0.75	0.68	0.64	0.84	0.90	0.50	0.30	0.23	0.38	0.45	0.23					
5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.24	3.24	3.12	2.93	2.59	2.27	3.32	3.63	0.50	0.25	0.77	1.28	1.53	0.64					
0.9	C2-7	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.63	0.62	0.60	0.56	0.50	0.43	0.63	0.70	0.50	0.20	0.14	0.23	0.27	0.09					
3.5	C2-7	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	2.24	2.19	2.14	2.04	1.90	1.78	2.24	2.31	0.40	0.30	0.42	0.70	0.84	0.42					
8.4	C2-7	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	5.97	5.85	5.69	5.41	4.91	4.41	5.97	6.32	0.40	0.25	1.01	1.68	2.02	0.84					
2.8	C2-7	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	2.10	2.06	2.01	1.91	1.73	1.54	2.10	2.26	0.40	0.20	0.34	0.56	0.67	0.22					
0.6	C2-7	S27.2	B	School	56	36	76	0.29	0.28	0.27	0.25	0.22	0.20	0.29	0.32	0.60	0.30	0.11	0.18	0.22	0.11					
1.5	C2-7	S27.2	C	School	69	50	86	0.89	0.86	0.82	0.76	0.65	0.55	0.89	1.01	0.60	0.25	0.27	0.45	0.54	0.23					
3.5	C2-7	S27.2	D	School	75	57	91	2.28	2.22	2.13	1.97	1.69	1.40	2.28	2.65	0.60	0.20	0.63	1.05	1.26	0.42					
0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53	0.61	0.59	0.10	0.30	0.02	0.04	0.04	0.02					
0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.18	0.17	0.10	0.25	0.01	0.01	0.01	0.01					
0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.36	0.35	0.10	0.20	0.01	0.02	0.02	0.01					
5.7	C2-8	S27.2	B	Public Park	56	36	76	1.66	1.54	1.39	1.15	0.85	0.73	1.66	2.16	0.85	0.30	1.45	2.42	2.91	1.45					
4.5	C2-8	S27.2	C	Public Park	69	50	86	2.00	1.89	1.74	1.49	1.07	0.73	2.00	2.58	0.85	0.25	1.15	1.91	2.30	0.96					
9.4	C2-8	S27.2	D	Public Park	75	57	91	4.97	4.74	4.43	3.89	2.92	2.00	4.97	6.51	0.80	0.20	2.40	4.00	4.79	1.60					
0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.11	0.11	0.10	0.09	0.06	0.04	0.11	0.16	1.00	0.25	0.06	0.10	0.12	0.05					
1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.59	0.56	0.51	0.43	0.29	0.15	0.59	0.83	1.00	0.25	0.36	0.60	0.72	0.30					
1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.96	0.92	0.86	0.75	0.55	0.34	0.96	1.32	1.00	0.25	0.51	0.85	1.02	0.43					
0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.40	0.39	0.37	0.33	0.27	0.19	0.40	0.53	1.00	0.20	0.18	0.30	0.36	0.12					
1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.64	0.60	0.54	0.45	0.29	0.14	0.64	0.91	1.00	0.25	0.42	0.70	0.84	0.35					
0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.20	0.18	0.13	0.08	0.23	0.31	1.00	0.20	0.12	0.20	0.24	0.08					
8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	4.75	4.53	4.24	3.71	2.70	1.66	4.75												

RANCHO MISSION VIEJO
PA-3 Subwatershed C (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed C

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Low Loss Fraction (1-Y) x Area														A _p	F _p	Maximum Loss Rate (F _m) x Area						
						Curve Number CN			Storm Event (Year)										Storm Event (Year)									
									EV					HC														
						AMC			P ₂₄ (Inches)										EV				HC					
									100	50	25	10	5	2	25	100												
II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	2.59	> 5	5	2	All														
2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.48	1.40	1.30	1.12	0.78	0.45	1.48	2.05	1.00	0.25	0.84	1.40	1.68	0.70							
0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.06	0.06	0.06	0.05	0.04	0.03	0.06	0.08	1.00	0.20	0.03	0.05	0.06	0.02							
0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.03	0.02	0.01	0.00	0.00	0.00	0.03	0.06	1.00	0.40	0.12	0.20	0.24	0.16							
0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.06	0.03	0.01	0.09	0.14	1.00	0.30	0.09	0.15	0.18	0.09							
3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	1.67	1.57	1.45	1.23	0.82	0.44	1.67	2.35	1.00	0.25	1.02	1.70	2.04	0.85							
0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.39	0.29	0.19	0.48	0.66	1.00	0.20	0.24	0.40	0.48	0.16							
2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.23	0.23	0.22	0.22	0.21	0.20	0.23	0.26	0.90	0.40	0.65	1.08	1.30	0.86							
0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.18	0.16	0.14	0.11	0.07	0.06	0.18	0.24	0.90	0.30	0.19	0.32	0.38	0.19							
3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.45	1.36	1.24	1.04	0.70	0.42	1.45	1.94	0.90	0.25	0.95	1.58	1.89	0.79							
1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.55	0.53	0.49	0.42	0.30	0.19	0.55	0.75	0.90	0.20	0.30	0.50	0.59	0.20							
0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.03	0.02	0.00	0.06	0.09	1.00	0.30	0.06	0.10	0.12	0.06							
1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	0.93	0.88	0.81	0.68	0.46	0.24	0.93	1.32	1.00	0.25	0.57	0.95	1.14	0.48							
0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.06	0.05	0.05	0.04	0.03	0.02	0.06	0.08	1.00	0.25	0.03	0.05	0.06	0.03							
1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.47	0.32	0.17	0.64	0.90	1.00	0.25	0.39	0.65	0.78	0.33							
0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.05	0.04	0.02	0.06	0.08	1.00	0.20	0.03	0.05	0.06	0.02							
0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.06	0.06	0.06	0.04	0.03	0.07	0.09	1.00	0.20	0.03	0.05	0.06	0.02							
1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.83	0.79	0.72	0.61	0.41	0.22	0.83	1.18	1.00	0.25	0.51	0.85	1.02	0.43							
0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.05	0.04	0.02	0.06	0.08	1.00	0.20	0.03	0.05	0.06	0.02							
3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	1.81	1.71	1.57	1.33	0.90	0.48	1.81	2.56	1.00	0.25	1.11	1.85	2.22	0.93							
1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15	0.50	0.66	0.90	0.25	0.32	0.54	0.65	0.27							
1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.71	0.69	0.66	0.61	0.52	0.44	0.71	0.81	0.60	0.25	0.22	0.36	0.43	0.18							
0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.11	0.07	0.04	0.15	0.21	1.00	0.25	0.09	0.15	0.18	0.08							
1292.3	Low Loss Fraction (1-Y) =							0.284	0.299	0.318	0.351	0.413	0.479	0.284	0.229		F _m =	0.129	0.216	0.259	0.101							

RANCHO MISSION VIEJO
PA-3 (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed C1 Line C

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN	Low Loss Fraction (1-Y) x Area										A _s	F _p	Maximum Loss Rate (F _m) x Area			
							Storm Event (Year)												Storm Event (Year)			
							EV					HC										
							P ₂₄ (Inches)															
							AMC			100	50	25	10	5	2	25			100	> 5	5	2
1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.36	1.34	1.32	1.29	1.21	1.12	1.36	1.49	0.20	0.20	0.10	0.16	0.19	0.06	
0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.91	0.90	0.89	0.86	0.81	0.76	0.91	1.00	0.20	0.25	0.07	0.11	0.13	0.06	
0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14	0.17	0.19	0.20	0.20	0.01	0.02	0.02	0.01	
1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.33	1.32	1.31	1.28	1.22	1.15	1.33	1.40	0.10	0.20	0.05	0.08	0.09	0.04	
0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15	0.18	0.19	0.10	0.20	0.01	0.01	0.01	0.00	
0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.58	0.57	0.56	0.55	0.52	0.48	0.58	0.64	0.20	0.25	0.04	0.07	0.08	0.04	
0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.42	0.42	0.41	0.40	0.38	0.35	0.42	0.46	0.20	0.20	0.03	0.05	0.06	0.02	
1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.69	1.67	1.66	1.62	1.55	1.46	1.69	1.78	0.10	0.20	0.06	0.10	0.11	0.05	
2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93	2.25	2.36	0.10	0.20	0.08	0.13	0.15	0.05	
0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.66	0.66	0.65	0.63	0.59	0.55	0.66	0.73	0.20	0.25	0.05	0.08	0.10	0.04	
0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.59	0.59	0.58	0.56	0.53	0.49	0.59	0.65	0.20	0.20	0.04	0.07	0.08	0.03	
0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.18	0.19	0.10	0.20	0.01	0.01	0.01	0.01	
0.1	C1-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
0.2	C1-13	S27.2	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03	0.09	0.15	0.85	0.25	0.05	0.09	0.10	0.04	
6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.06	5.00	4.92	4.78	4.51	4.19	5.06	5.56	0.20	0.25	0.37	0.61	0.73	0.31	
6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.18	5.12	5.04	4.90	4.61	4.26	5.18	5.67	0.20	0.20	0.37	0.61	0.73	0.24	
1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30	1.51	1.59	0.10	0.25	0.05	0.09	0.10	0.04	
1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01	1.17	1.23	0.10	0.20	0.04	0.07	0.08	0.03	
3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.46	2.42	2.35	2.22	2.06	2.49	2.73	0.20	0.25	0.18	0.30	0.36	0.15	
2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.78	1.76	1.74	1.69	1.59	1.47	1.78	1.95	0.20	0.20	0.13	0.21	0.25	0.08	
3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.41	2.35	2.27	2.13	1.88	1.64	2.41	3.11	0.50	0.25	0.56	0.93	1.11	0.46	
6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.21	4.11	3.98	3.74	3.30	2.85	4.21	5.32	0.50	0.20	0.90	1.50	1.80	0.60	
0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.33	0.33	0.32	0.31	0.30	0.27	0.33	0.36	0.20	0.25	0.02	0.04	0.05	0.02	
0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05	0.15	0.25	0.90	0.20	0.08	0.14	0.16	0.05	
6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.43	4.32	4.17	3.91	3.46	3.02	4.43	5.72	0.50	0.25	1.02	1.70	2.04	0.85	
19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	13.39	13.08	12.66	11.91	10.52	9.06	13.39	16.94	0.50	0.20	2.87	4.78	5.73	1.91	
0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31	0.36	0.37	0.10	0.25	0.01	0.02	0.02	0.01	
0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08	0.29	0.52	0.90	0.25	0.19	0.32	0.38	0.16	
8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	5.80	5.65	5.45	5.12	4.52	3.95	5.80	7.49	0.50	0.25	1.34	2.23	2.67	1.11	
7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.19	5.07	4.90	4.61	4.07	3.51	5.19	6.56	0.50	0.20	1.11	1.85	2.22	0.74	
0.1	C1-17	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.09	0.20	0.25	0.01	0.01	0.01	0.01	
1.4	C1-17	S27.2	D	Commercial, Industrial	32	17	52	1.19	1.19	1.18	1.16	1.13	1.07	1.19	1.23	0.10	0.40	0.04	0.07	0.08	0.06	
4.6	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.18	4.15	4.10	4.03	3.87	3.66	4.18	4.40	0.10	0.30	0.14	0.24	0.29	0.14	
5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84	4.44	4.67	0.10	0.25	0.15	0.25	0.30	0.13	
3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.32	3.30	3.26	3.19	3.05	2.86	3.32	3.49	0.10	0.20	0.11	0.19	0.22	0.07	
5.0	C1-17	S27.2	D	Public Park	75	57	91	2.64	2.52	2.35	2.07	1.55	1.07	2.64	4.19	0.85	0.20	1.28	2.13	2.55	0.85	
4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.32	3.28	3.23	3.14	2.96	2.75	3.32	3.64	0.20	0.25	0.24	0.40	0.48	0.20	
12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	10.78	10.66	10.50	10.20	9.60	8.87	10.78	11.80	0.20	0.20	0.76	1.27	1.52	0.51	
1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.28	0.25	0.22	0.18	0.11	0.09	0.28	0.64	0.90	0.30	0.30	0.50	0.59	0.30	
1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18	0.62	1.12	0.90	0.25	0.41	0.68	0.81	0.34	
2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.26	1.20	1.11	0.96	0.69	0.44	1.26	2.08	0.90	0.20	0.68	1.13	1.35	0.45	
0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.05	0.05	0.05	0.05	0.04	0.06	0.07	0.50	0.30	0.02	0.03	0.03	0.02	
4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.93	2.86	2.75	2.59	2.29	2.00	2.93	3.79	0.50	0.25	0.68	1.13	1.35	0.56	
1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.98	0.96	0.93	0.87	0.77	0.66	0.98	1.24	0.50	0.20	0.21	0.35	0.42	0.14	
2.2	C1-17	S27.2	B	School	56	36	76	1.07	1.03	0.98	0.91	0.81	0.75	1.07	1.56	0.60	0.30	0.40	0.66	0.79	0.40	
6.8	C1-17	S27.2	C	School	69	50	86	4.03	3.90	3.73	3.44	2.93	2.47	4.03	5.56	0.60	0.25	1.22	2.04	2.45	1.02	
7.9	C1-17	S27.2	D	School	75	57	91	5.15	5.00	4.80	4.45	3.81	3.16	5.15	6.90	0.60	0.20	1.42	2.37	2.84	0.95	
0.1	C1-2	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
4.3	C1-2	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.65	3.61	3.56	3.46	3.25	3.00	3.65	4.00	0.20	0.20	0.26	0.43	0.52	0.17	
2.8	C1-20	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.32	2.29	2.26	2.20	2.07	1.92	2.32	2.55	0.20	0.25	0.17	0.28	0.34	0.14	
0.1	C1-21	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00	
6.3	C1-21	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.22	5.16	5.08	4.94	4.66	4.32	5.22	5.74	0.20	0.25	0.38	0.63	0.76	0.32	
0.2																						

RANCHO MISSION VIEJO
PA-3 (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed C1 Line C

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN	Low Loss Fraction (1-Y) x Area										A _s	F _p	Maximum Loss Rate (F _m) x Area							
							Storm Event (Year)												Storm Event (Year)							
							EV					HC							> 5		5		2		All	
							P ₂₄ (Inches)												EV		HC					
							AMC			100	50	25	10	5	2	25			100							
II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	5.63																
0.1	C1-26	S27.2	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.04	0.08	0.85	0.25	0.03	0.04	0.05	0.02						
6.3	C1-26	S27.2	D	Public Park	75	57	91	3.33	3.17	2.97	2.61	1.96	1.34	3.33	5.28	0.85	0.20	1.61	2.68	3.21	1.07					
5.0	C1-26	S27.2	B	Residential 10+ dwellings/acre	56	36	76	3.97	3.92	3.87	3.77	3.59	3.39	3.97	4.37	0.20	0.30	0.30	0.50	0.60	0.30					
43.3	C1-26	S27.2	C	Residential 10+ dwellings/acre	69	50	86	35.90	35.49	34.94	33.95	32.00	29.72	35.90	39.45	0.20	0.25	2.60	4.33	5.20	2.17					
38.7	C1-26	S27.2	D	Residential 10+ dwellings/acre	75	57	91	32.85	32.49	32.00	31.10	29.26	27.04	32.85	35.97	0.20	0.20	2.32	3.87	4.64	1.55					
2.3	C1-26	S27.2	C	Residential 2.5 acre lots	69	50	86	0.95	0.89	0.81	0.68	0.46	0.28	0.95	1.72	0.90	0.25	0.62	1.04	1.24	0.52					
3.6	C1-26	S27.2	D	Residential 2.5 acre lots	75	57	91	1.81	1.72	1.60	1.38	1.00	0.63	1.81	2.99	0.90	0.20	0.97	1.62	1.94	0.65					
0.5	C1-27	S27.2	A	Apartments	32	17	52	0.38	0.38	0.37	0.37	0.36	0.34	0.38	0.40	0.20	0.40	0.03	0.05	0.06	0.04					
14.8	C1-27	S27.2	B	Apartments	56	36	76	11.74	11.61	11.45	11.16	10.62	10.04	11.74	12.94	0.20	0.30	0.89	1.48	1.78	0.89					
1.9	C1-27	S27.2	C	Apartments	69	50	86	1.58	1.56	1.53	1.49	1.40	1.30	1.58	1.73	0.20	0.25	0.11	0.19	0.23	0.10					
9.9	C1-27	S27.2	D	Apartments	75	57	91	8.40	8.31	8.19	7.95	7.49	6.92	8.40	9.20	0.20	0.20	0.59	0.99	1.19	0.40					
1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.53	1.53	1.52	1.50	1.45	1.37	1.53	1.59	0.10	0.40	0.05	0.09	0.11	0.07					
8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.31	7.26	7.18	7.04	6.77	6.41	7.31	7.70	0.10	0.30	0.25	0.42	0.50	0.25					
7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83	6.75	7.10	0.10	0.25	0.23	0.38	0.46	0.19					
14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.57	12.48	12.34	12.09	11.54	10.83	12.57	13.21	0.10	0.20	0.42	0.70	0.84	0.28					
1.4	C1-27	S27.2	C	Public Park	69	50	86	0.62	0.59	0.54	0.46	0.33	0.23	0.62	1.06	0.85	0.25	0.36	0.60	0.71	0.30					
0.3	C1-27	S27.2	D	Public Park	75	57	91	0.16	0.15	0.14	0.12	0.09	0.06	0.16	0.25	0.85	0.20	0.08	0.13	0.15	0.05					
0.2	C1-27	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.15	0.15	0.15	0.15	0.14	0.14	0.15	0.16	0.20	0.40	0.01	0.02	0.02	0.02					
0.3	C1-27	S27.2	B	Residential 10+ dwellings/acre	56	36	76	0.24	0.24	0.23	0.23	0.22	0.20	0.24	0.26	0.20	0.30	0.02	0.03	0.04	0.02					
12.2	C1-27	S27.2	C	Residential 10+ dwellings/acre	69	50	86	10.11	10.00	9.84	9.57	9.02	8.37	10.11	11.12	0.20	0.25	0.73	1.22	1.46	0.61					
17.6	C1-27	S27.2	D	Residential 10+ dwellings/acre	75	57	91	14.94	14.78	14.55	14.14	13.31	12.30	14.94	16.36	0.20	0.20	1.06	1.76	2.11	0.70					
0.3	C1-27	S27.2	B	Residential 2.5 acre lots	56	36	76	0.08	0.07	0.06	0.05	0.03	0.03	0.08	0.17	0.90	0.30	0.08	0.14	0.16	0.08					
0.9	C1-27	S27.2	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.27	0.18	0.11	0.37	0.67	0.90	0.25	0.24	0.41	0.49	0.20					
9.3	C1-27	S27.2	D	Residential 2.5 acre lots	75	57	91	4.69	4.45	4.12	3.57	2.57	1.64	4.69	7.72	0.90	0.20	2.51	4.19	5.02	1.67					
0.2	C1-27	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.11	0.11	0.11	0.11	0.10	0.09	0.08	0.11	0.15	0.50	0.30	0.03	0.05	0.06	0.03				
5.3	C1-27	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.45	3.36	3.25	3.05	2.69	2.35	3.45	4.46	0.50	0.25	0.80	1.33	1.59	0.66					
28.3	C1-27	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	19.84	19.38	18.75	17.65	15.58	13.43	19.84	25.10	0.50	0.20	4.25	7.08	8.49	2.83					
3.8	C1-27	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	2.70	2.65	2.57	2.45	2.22	1.99	2.70	3.29	0.40	0.25	0.46	0.76	0.91	0.38					
4.1	C1-27	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	3.08	3.02	2.94	2.80	2.54	2.25	3.08	3.69	0.40	0.20	0.49	0.82	0.98	0.33					
0.3	C1-27	S27.2	C	School	69	50	86	0.18	0.17	0.16	0.15	0.13	0.11	0.18	0.25	0.60	0.25	0.05	0.09	0.11	0.05					
0.3	C1-27	S27.2	D	School	75	57	91	0.20	0.19	0.18	0.17	0.14	0.12	0.20	0.26	0.60	0.20	0.05	0.09	0.11	0.04					
11.6	C1-28	S27.2	A	Commercial, Industrial	32	17	52	9.89	9.84	9.78	9.64	9.32	8.85	9.89	10.23	0.10	0.40	0.35	0.58	0.70	0.46					
6.7	C1-28	S27.2	B	Commercial, Industrial	56	36	76	5.83	5.79	5.73	5.62	5.40	5.11	5.83	6.14	0.10	0.30	0.20	0.34	0.40	0.20					
12.8	C1-28	S27.2	C	Commercial, Industrial	69	50	86	11.37	11.28	11.16	10.93	10.45	9.82	11.37	11.96	0.10	0.25	0.38	0.64	0.77	0.32					
0.2	C1-28	S27.2	A	Residential 2.5 acre lots	32	17	52	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	0.90	0.40	0.05	0.09	0.11	0.07				
0.2	C1-28	S27.2	B	Residential 2.5 acre lots	56	36	76	0.05	0.05	0.05	0.04	0.03	0.02	0.05	0.12	0.90	0.30	0.05	0.09	0.11	0.05					
5.6	C1-3	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.64	4.59	4.52	4.39	4.14	3.84	4.64	5.10	0.20	0.25	0.34	0.56	0.67	0.28					
2.4	C1-3	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.04	2.02	1.98	1.93	1.81	1.68	2.04	2.23	0.20	0.20	0.14	0.24	0.29	0.10					
17.5	C1-30	S27.2	A	Apartments	32	17	52	13.27	13.20	13.11	12.93	12.50	11.87	13.27	14.09	0.20	0.40	1.05	1.75	2.10	1.40					
1.5	C1-30	S27.2	B	Apartments	56	36	76	1.19	1.18	1.16	1.13	1.08	1.02	1.19	1.31	0.20	0.30	0.09	0.15	0.18	0.09					
0.7	C1-30	S27.2	C	Apartments	69	50	86	0.58	0.57	0.56	0.55	0.52	0.48	0.58	0.64	0.20	0.25	0.04	0.07	0.08	0.04					
0.1	C1-30	S27.2	D	Barren	93	83	99	0.08	0.08	0.08	0.08	0.07	0.06	0.08	0.10	1.00	0.20	0.03	0.05	0.06	0.02					
44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.03	37.85	37.59	37.07	35.85	34.04	38.03	39.32	0.10	0.40	1.34	2.23	2.68	1.78					
0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53	0.61	0.64	0.10	0.30	0.02	0.04	0.04	0.02					
2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.78	1.76	1.74	1.71	1.63	1.53	1.78	1.87	0.10	0.25	0.06	0.10	0.12	0.05					
4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.68	3.65	3.61	3.54	3.38	3.17	3.68	3.87	0.10	0.20	0.12	0.21	0.25	0.08					
0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.05	0.03	0.02	0.06	0.09	1.00	0.20	0.03	0.05	0.06	0.02					
2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.58	2.56	2.53	2.48	2.37	2.22	2.58	2.71	0.10	0.25	0.09	0.15	0.17	0.07					
4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.04	4.01	3.97	3.89	3.71	3.48	4.04	4.25	0.10	0.20	0.14	0.23	0.27	0.09					
5.7	C1-4	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.73	4.67	4.60	4.47	4.21	3.91	4.73	5.19	0.20	0.25	0.34	0.57	0.68	0.29					
2.4	C1-4	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.04	2.02	1.98	1.93	1.81	1.68	2.04	2.23	0.20	0.20	0.14	0.24	0.29	0.10					
0.5	C1-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.36	0.35	0.34	0.32	0.29	0.26	0.36	0.43	0.40	0.25	0.06	0.10	0.12	0.05					
5.7	C1-4	S27.2	C	School	69	50	86	3.38	3.27	3.12	2.88	2.46	2.07	3.38	4.66	0.60	0.25	1.03	1.71	2.05	0.86					
8.7	C1-4	S27.2																								

RANCHO MISSION VIEJO PA-3 (Local Hydrology) Unit Hydrograph Method Loss Rate Parameter Development - Watershed C1/ Line C - Multiday Day 2																								
Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN			Low Loss Fraction (1-Y) x Area										A _p	F _p	Maximum Loss Rate (F _h) x Area			
									Storm Event (Year)												Storm Event (Year)			
						AMC					EV					HC					Storm Event (Year)			
						P ₂₄ (Inches)					100	50	25	10	5	2	100	EV			HC			
						II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	2.59	> 5	5	2			All			
1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.36	1.34	1.32	1.29	1.21	1.12	1.38	0.20	0.20	0.10	0.16	0.19	0.06				
0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.10	0.20	0.00	0.01	0.01	0.00				
1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.91	0.90	0.89	0.86	0.81	0.76	0.91	0.20	0.25	0.07	0.11	0.13	0.06				
0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14	0.17	0.20	0.20	0.01	0.02	0.02	0.01				
1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.33	1.32	1.31	1.28	1.22	1.15	1.31	0.10	0.25	0.05	0.08	0.09	0.04				
0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15	0.18	0.10	0.20	0.01	0.01	0.01	0.00				
0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.58	0.57	0.56	0.55	0.52	0.48	0.58	0.20	0.25	0.04	0.07	0.08	0.04				
0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.42	0.42	0.41	0.40	0.38	0.35	0.43	0.20	0.20	0.03	0.05	0.06	0.02				
1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.69	1.67	1.66	1.62	1.55	1.46	1.66	0.10	0.25	0.06	0.10	0.11	0.05				
2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93	2.21	0.10	0.20	0.08	0.13	0.15	0.05				
0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.66	0.66	0.65	0.63	0.59	0.55	0.67	0.20	0.25	0.05	0.08	0.10	0.04				
0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.59	0.59	0.58	0.56	0.53	0.49	0.60	0.20	0.20	0.04	0.07	0.08	0.03				
0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.17	0.10	0.25	0.01	0.01	0.01	0.01				
0.1	C1-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.10	0.20	0.00	0.01	0.01	0.00				
0.2	C1-13	S27.2	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03	0.11	0.85	0.25	0.05	0.09	0.10	0.04				
6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.06	5.00	4.92	4.78	4.51	4.19	5.07	0.20	0.25	0.37	0.61	0.73	0.31				
6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.18	5.12	5.04	4.90	4.61	4.26	5.24	0.20	0.20	0.37	0.61	0.73	0.24				
1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30	1.48	0.10	0.25	0.05	0.09	0.10	0.04				
1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01	1.15	0.10	0.20	0.04	0.07	0.08	0.03				
3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.46	2.42	2.35	2.22	2.06	2.50	0.20	0.25	0.18	0.30	0.36	0.15				
2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.78	1.76	1.74	1.69	1.59	1.47	1.81	0.20	0.20	0.13	0.21	0.25	0.08				
3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.41	2.35	2.27	2.13	1.88	1.64	2.64	0.50	0.25	0.56	0.93	1.11	0.46				
6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.21	4.11	3.98	3.74	3.30	2.85	4.69	0.50	0.20	0.90	1.50	1.80	0.60				
0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.33	0.33	0.32	0.31	0.30	0.27	0.33	0.20	0.25	0.02	0.04	0.05	0.02				
0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05	0.20	0.90	0.20	0.08	0.14	0.16	0.05				
6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.43	4.32	4.17	3.91	3.46	3.02	4.85	0.50	0.25	1.02	1.70	2.04	0.85				
19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	13.39	13.08	12.66	11.91	10.52	9.06	14.94	0.50	0.20	2.87	4.78	5.73	1.91				
0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.35	0.34	0.33	0.31	0.35	0.10	0.25	0.01	0.02	0.02	0.01					
0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.10	0.20	0.00	0.01	0.01	0.00				
0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08	0.39	0.90	0.25	0.19	0.32	0.38	0.16				
8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	5.80	5.65	5.45	5.12	4.52	3.95	6.34	0.50	0.25	1.34	2.23	2.67	1.11				
7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.19	5.07	4.90	4.61	4.07	3.51	5.79	0.50	0.20	1.11	1.85	2.22	0.74				
0.1	C1-17	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.20	0.25	0.01	0.01	0.01	0.01				
1.4	C1-17	S27.2	A	Commercial, Industrial	32	17	52	1.19	1.19	1.18	1.16	1.13	1.07	1.15	0.10	0.40	0.04	0.07	0.08	0.06				
4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.18	4.15	4.10	4.03	3.87	3.66	4.07	0.10	0.30	0.14	0.24	0.29	0.14				
5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84	4.36	0.10	0.25	0.15	0.25	0.30	0.13				
3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.32	3.30	3.26	3.19	3.05	2.86	3.28	0.10	0.20	0.11	0.19	0.22	0.07				
5.0	C1-17	S27.2	D	Public Park	75	57	91	2.64	2.52	2.35	2.07	1.55	1.07	3.46	0.85	0.20	1.28	2.13	2.55	0.85				
4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.32	3.28	3.23	3.14	2.96	2.75	3.33	0.20	0.25	0.24	0.40	0.48	0.20				
12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	10.78	10.66	10.50	10.20	9.60	8.87	10.92	0.20	0.20	0.76	1.27	1.52	0.51				
1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.28	0.25	0.22	0.18	0.11	0.09	0.38	0.90	0.30	0.30	0.50	0.59	0.30				
1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18	0.83	0.90	0.25	0.41	0.68	0.81	0.34				
2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.26	1.20	1.11	0.96	0.69	0.44	1.70	0.90	0.20	0.68	1.13	1.35	0.45				
0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.05	0.05	0.05	0.05	0.04	0.06	0.50	0.30	0.02	0.03	0.03	0.02				
4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.93	2.86	2.76	2.59	2.29	2.00	3.21	0.50	0.25	0.68	1.13	1.35	0.56				
1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.98	0.96	0.93	0.87	0.77	0.66	1.10	0.50	0.20	0.21	0.35	0.42	0.14				
2.2	C1-17	S27.2	B	School	56	36	76	1.07	1.03	0.98	0.91	0.81	0.75	1.18	0.60	0.30	0.40	0.66	0.79	0.40				
6.8	C1-17	S27.2	C	School	69	50	86	4.03	3.90	3.73	3.44	2.93	2.47	4.58	0.60	0.25	1.22	2.04	2.45	1.02				
7.9	C1-17	S27.2	D	School	75	57	91	5.15	5.00	4.80	4.45	3.81	3.16	5.98	0.60	0.20	1.42	2.37	2.84	0.95				
0.1	C1-2	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.10	0.20	0.00	0.01	0.01	0.00				
4.3	C1-2	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.65	3.61	3.56	3.46	3.25	3.00	3.70	0.20	0.20	0.26	0.43	0.52	0.17				
2.8	C1-20	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.32	2.29	2.26	2.20	2.07	1.92	2.33	0.20	0.25	0.17	0.28	0.34	0.14				
0.1	C1-21	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.10	0.20	0.00	0.01	0.01	0.00				
6.3	C1-21	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.22	5.16	5.08	4.94	4.66	4.32	5.24	0.20	0.25	0.38	0.63	0.76	0.32				
0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14	0.17	0.20	0.20	0.01	0.02	0.02	0.01				
0.7	C1-21	S27.2	C	School	69	50	86	0.41	0.40	0.38	0.35	0.30	0.25	0.47	0.60	0.25	0.13	0.21	0.25	0.11				
0.1	C1-22	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.20	0.25	0.01	0.01	0.01	0.01				
2.0	C1-22	S27.2	C	Public Park	69	50	86	0.89	0.84	0.77	0.66	0.48	0.32	1.15	0.85	0.25	0.51	0.85	1.02	0.43				
2.1	C1-22	S27.2	D	Public Park	75	57	91	1.11	1.06	0.99	0.87	0.65	0.45	1.45	0.85	0.20	0.54	0.89	1.07	0.36				
5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.64	4.59	4.52	4.39	4.14	3.84	4.66	0.20	0.25	0.34	0.56	0.67	0.28				
0.9	C1-22	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.76	0.76	0.74	0.72	0.68	0.63	0.77	0.20	0.20	0.05	0.09	0.11	0.04				
3.1	C1-22	S27.2	C	School	69	50	86	1.84	1.78	1.70	1.57	1.34	1.13	2.09	0.60	0.25	0.56	0.93	1.12	0.47				
0.3	C1-22	S27.2	D	School	75	57	91	0.20	0.19	0.18	0.17	0.14	0.12	0.23	0.60	0.20	0.05	0.09	0.11	0.04				
1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	0.98	0.97	0.9														

<p style="text-align: center;">RANCHO MISSION VIEJO PA-3 (Local Hydrology) Unit Hydrograph Method Loss Rate Parameter Development - Watershed C1/ Line C - Multiday Day 2</p>																								
Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Low Loss Fraction (1-Y) x Area													A _p	F _p	Maximum Loss Rate (F _h) x Area			
						Curve Number CN			Storm Event (Year)												Storm Event (Year)			
									EV					HC										
						AMC			100	50	25	10	5	2	100									
						II	I	III	P ₂₄ (Inches)												EV	HC		
			4.49	4.12	3.68	3.03	2.12	1.44	2.59					> 5	5	2	All							
23.2	C1-25	S27.2	D	Residential 2.5 acre lots	75	57	91	11.70	11.09	10.29	8.90	6.42	4.08	15.76	0.90	0.20	6.26	10.44	12.53	4.18				
0.3	C1-25	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.13	0.21	0.50	0.25	0.05	0.08	0.09	0.04				
0.3	C1-25	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.21	0.21	0.20	0.19	0.17	0.14	0.23	0.50	0.20	0.05	0.08	0.09	0.03				
4.8	C1-26	S27.2	C	Commercial, Industrial	69	50	86	4.26	4.23	4.18	4.10	3.92	3.68	4.18	0.10	0.25	0.14	0.24	0.29	0.12				
4.8	C1-26	S27.2	D	Commercial, Industrial	75	57	91	4.31	4.28	4.23	4.14	3.96	3.71	4.25	0.10	0.20	0.14	0.24	0.29	0.10				
0.1	C1-26	S27.2	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02	0.06	0.85	0.25	0.03	0.04	0.05	0.02				
6.3	C1-26	S27.2	D	Public Park	75	57	91	3.33	3.17	2.97	2.61	1.96	1.34	4.36	0.85	0.20	1.61	2.68	3.21	1.07				
5.0	C1-26	S27.2	B	Residential 10+ dwellings/acre	56	36	76	3.97	3.92	3.87	3.77	3.59	3.39	3.93	0.20	0.30	0.30	0.50	0.60	0.30				
43.3	C1-26	S27.2	C	Residential 10+ dwellings/acre	69	50	86	35.90	35.49	34.94	33.95	32.00	29.72	36.02	0.20	0.25	2.60	4.33	5.20	2.17				
38.7	C1-26	S27.2	D	Residential 10+ dwellings/acre	75	57	91	32.85	32.49	32.00	31.10	29.26	27.04	33.27	0.20	0.20	2.32	3.87	4.64	1.55				
2.3	C1-26	S27.2	C	Residential 2.5 acre lots	69	50	86	0.95	0.89	0.81	0.68	0.46	0.28	1.27	0.90	0.25	0.62	1.04	1.24	0.52				
3.6	C1-26	S27.2	D	Residential 2.5 acre lots	75	57	91	1.81	1.72	1.60	1.38	1.00	0.63	2.45	0.90	0.20	0.97	1.62	1.94	0.65				
0.5	C1-27	S27.2	A	Apartments	32	17	52	0.38	0.38	0.37	0.37	0.36	0.34	0.37	0.20	0.40	0.03	0.05	0.06	0.04				
14.8	C1-27	S27.2	B	Apartments	56	36	76	11.74	11.61	11.45	11.16	10.62	10.04	11.64	0.20	0.30	0.89	1.48	1.78	0.89				
1.9	C1-27	S27.2	C	Apartments	69	50	86	1.58	1.56	1.53	1.49	1.40	1.30	1.58	0.20	0.25	0.11	0.19	0.23	0.10				
9.9	C1-27	S27.2	D	Apartments	75	57	91	8.40	8.31	8.19	7.95	7.49	6.92	8.51	0.20	0.20	0.59	0.99	1.19	0.40				
1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.53	1.53	1.52	1.50	1.45	1.37	1.48	0.10	0.40	0.05	0.09	0.11	0.07				
8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.31	7.26	7.18	7.04	6.77	6.41	7.13	0.10	0.30	0.25	0.42	0.50	0.25				
7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83	6.62	0.10	0.25	0.23	0.38	0.46	0.19				
14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.57	12.48	12.34	12.09	11.54	10.83	12.40	0.10	0.20	0.42	0.70	0.84	0.28				
1.4	C1-27	S27.2	C	Public Park	69	50	86	0.62	0.59	0.54	0.46	0.33	0.23	0.80	0.85	0.25	0.36	0.60	0.71	0.30				
0.3	C1-27	S27.2	D	Public Park	75	57	91	0.16	0.15	0.14	0.12	0.09	0.06	0.21	0.85	0.20	0.08	0.13	0.15	0.05				
0.2	C1-27	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.15	0.15	0.15	0.15	0.14	0.14	0.15	0.20	0.40	0.01	0.02	0.02	0.02				
0.3	C1-27	S27.2	B	Residential 10+ dwellings/acre	56	36	76	0.24	0.24	0.23	0.23	0.22	0.20	0.24	0.20	0.30	0.02	0.03	0.04	0.02				
12.2	C1-27	S27.2	C	Residential 10+ dwellings/acre	69	50	86	10.11	10.00	9.84	9.57	9.02	8.37	10.15	0.20	0.25	0.73	1.22	1.46	0.61				
17.6	C1-27	S27.2	D	Residential 10+ dwellings/acre	75	57	91	14.94	14.78	14.55	14.14	13.31	12.30	15.13	0.20	0.20	1.06	1.76	2.11	0.70				
0.3	C1-27	S27.2	B	Residential 2.5 acre lots	56	36	76	0.08	0.07	0.06	0.05	0.03	0.03	0.10	0.90	0.30	0.08	0.14	0.16	0.08				
0.9	C1-27	S27.2	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.27	0.18	0.11	0.50	0.90	0.25	0.24	0.41	0.49	0.20				
9.3	C1-27	S27.2	D	Residential 2.5 acre lots	75	57	91	4.69	4.45	4.12	3.57	2.57	1.64	6.32	0.90	0.20	2.51	4.19	5.02	1.67				
0.2	C1-27	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.11	0.11	0.11	0.10	0.09	0.08	0.12	0.50	0.30	0.03	0.05	0.06	0.03				
5.3	C1-27	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.45	3.36	3.25	3.05	2.69	2.35	3.78	0.50	0.25	0.80	1.33	1.59	0.66				
28.3	C1-27	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	19.84	19.38	18.75	17.65	15.98	13.43	22.14	0.50	0.20	4.25	7.08	8.49	2.83				
3.8	C1-27	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	2.70	2.65	2.57	2.45	2.22	1.99	2.86	0.40	0.25	0.46	0.76	0.91	0.38				
4.1	C1-27	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	3.08	3.02	2.94	2.80	2.54	2.25	3.31	0.40	0.20	0.49	0.82	0.98	0.33				
0.3	C1-27	S27.2	C	School	69	50	86	0.16	0.17	0.16	0.15	0.13	0.11	0.20	0.60	0.25	0.05	0.09	0.11	0.05				
0.3	C1-27	S27.2	D	School	75	57	91	0.20	0.19	0.18	0.17	0.14	0.12	0.23	0.60	0.20	0.05	0.09	0.11	0.04				
11.6	C1-28	S27.2	A	Commercial, Industrial	32	17	52	9.89	9.84	9.78	9.64	9.32	8.85	9.54	0.10	0.40	0.35	0.58	0.70	0.46				
6.7	C1-28	S27.2	B	Commercial, Industrial	56	36	76	5.83	5.79	5.73	5.62	5.40	5.11	5.69	0.10	0.30	0.20	0.34	0.40	0.20				
12.8	C1-28	S27.2	C	Commercial, Industrial	69	50	86	11.37	11.28	11.16	10.93	10.45	9.82	11.16	0.10	0.25	0.38	0.64	0.77	0.32				
0.2	C1-28	S27.2	A	Residential 2.5 acre lots	32	17	52	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.90	0.40	0.05	0.09	0.11	0.07				
0.2	C1-28	S27.2	B	Residential 2.5 acre lots	56	36	76	0.05	0.05	0.04	0.03	0.02	0.02	0.07	0.90	0.30	0.05	0.09	0.11	0.05				
5.6	C1-3	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.64	4.59	4.52	4.39	4.14	3.84	4.66	0.20	0.25	0.34	0.56	0.67	0.28				
2.4	C1-3	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.04	2.02	1.98	1.93	1.81	1.68	2.06	0.20	0.20	0.14	0.24	0.29	0.10				
17.5	C1-30	S27.2	A	Apartments	32	17	52	13.27	13.20	13.11	12.93	12.50	11.87	12.83	0.20	0.40	1.05	1.75	2.10	1.40				
1.5	C1-30	S27.2	B	Apartments	56	36	76	1.19	1.18	1.16	1.13	1.08	1.02	1.18	0.20	0.30	0.09	0.15	0.18	0.09				
0.7	C1-30	S27.2	C	Apartments	69	50	86	0.58	0.57	0.56	0.55	0.52	0.48	0.58	0.20	0.25	0.04	0.07	0.08	0.04				
0.1	C1-30	S27.2	D	Barren	93	83	99	0.08	0.08	0.08	0.08	0.07	0.06	0.09	1.00	0.20	0.03	0.05	0.06	0.02				
44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.03	37.85	37.59	37.07	35.85	34.04	36.67	0.10	0.40	1.34	2.23	2.68	1.78				
0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53	0.59	0.10	0.30	0.02	0.04	0.04	0.02				
2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.78	1.76	1.74	1.71	1.63	1.53	1.74	0.10	0.25	0.06	0.10	0.12	0.05				
4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.68	3.65	3.61	3.54	3.38	3.17	3.63	0.10	0.20	0.12	0.21	0.25	0.08				
0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.05	0.03	0.02	0.08	1.00	0.20	0.02	0.03	0.05	0.02				
2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.58	2.56	2.53	2.48	2.37	2.22	2.53	0.10	0.25	0.09	0.15	0.17	0.07				
4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.04	4.01	3.97	3.89	3.71	3.48	3.98	0.10	0.20	0.14	0.23	0.27	0.09				
5.7	C1-4	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.73	4.67	4.60	4.47	4.21	3.91	4.74	0.20	0.25	0.34	0.57	0.68	0.29				
2.4	C1-4	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.04	2.02	1.98	1.93	1.81	1.68	2.06	0.20	0.20	0.14	0.24	0.29	0.10				
0.5	C1-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.36	0.35	0.34	0.32	0.29	0.26	0.38	0.40	0.25	0.06	0.10	0.12	0.05				
5.7	C1-4	S27.2	C	School	69	50	86	3.38	3.27	3.12	2.88	2.46	2.07	3.84	0.60	0.25	1.03	1.71	2.05	0.86				
6.7	C1-4	S27.2	D	School	75	57	91	4.37	4.24	4.07	3.78	3.23	2.68	5.07	0.60	0.20	1.21	2.01	2.41	0.80				
0.1	C1-4	S27.2	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02	0.07	0.85	0.20	0.03	0.04	0.05	0.02				
1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77	0.87	0.10	0.25	0.03	0.05	0.06	0.03				
0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.81	0.80	0.79	0.78	0.74	0.70	0.80	0.10	0.20	0.03	0.05	0.05	0.02				
0.6	C1-5	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.50	0.49	0.48	0.47	0.44	0.41	0.50	0.20	0.25	0.04	0.06	0.07	0.03				
0.																								

RANCHO MISSION VIEJO PA-3 (Local Hydrology) Unit Hydrograph Method Loss Rate Parameter Development - Watershed C2/ Line D

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area										A _p	F _p	Maximum Loss Rate (F _m) x Area				
								Storm Event (Year)																
								EV					HC											
								100	50	25	10	5	2	25	100									
								P ₂₄ (Inches)												Storm Event (Year)				
II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	5.63														
AMC										> 5	5	2	All											
1.2	C2-1	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.85	0.84	0.81	0.77	0.70	0.63	0.85	1.04	0.40	0.25	0.14	0.24	0.29	0.12			
0.5	C2-10	S27.2	D	Residential 2.5 acre lots	75	57	91	0.25	0.24	0.22	0.19	0.14	0.09	0.25	0.42	0.90	0.20	0.14	0.23	0.27	0.09			
0.2	C2-10	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.13	0.13	0.12	0.11	0.10	0.08	0.13	0.17	0.60	0.20	0.04	0.06	0.07	0.02			
0.9	C2-11	S27.2	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.27	0.18	0.11	0.37	0.67	0.90	0.25	0.24	0.41	0.49	0.20			
0.3	C2-11	S27.2	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05	0.15	0.25	0.90	0.20	0.08	0.14	0.16	0.05			
0.1	C2-11	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.06	0.06	0.06	0.05	0.04	0.07	0.09	0.60	0.20	0.02	0.03	0.04	0.01			
0.1	C2-11	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04	0.07	0.08	0.50	0.25	0.02	0.03	0.03	0.01			
0.3	C2-11	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.21	0.21	0.20	0.19	0.17	0.14	0.21	0.27	0.50	0.20	0.05	0.08	0.09	0.03			
2.0	C2-12	S27.2	C	Residential 2.5 acre lots	69	50	86	0.83	0.78	0.71	0.59	0.40	0.24	0.83	1.50	0.90	0.25	0.54	0.90	1.08	0.45			
0.4	C2-12	S27.2	D	Residential 2.5 acre lots	75	57	91	0.20	0.19	0.18	0.15	0.11	0.07	0.20	0.33	0.90	0.20	0.11	0.18	0.22	0.07			
0.4	C2-12	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.26	0.25	0.25	0.23	0.20	0.18	0.26	0.34	0.50	0.25	0.06	0.10	0.12	0.05			
0.3	C2-12	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.21	0.21	0.20	0.19	0.17	0.14	0.21	0.27	0.50	0.20	0.05	0.08	0.09	0.03			
0.1	C2-13	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.09	0.20	0.25	0.01	0.01	0.01	0.01			
1.5	C2-13	S27.2	C	Commercial, Industrial	69	50	86	1.33	1.32	1.31	1.28	1.22	1.15	1.33	1.40	0.10	0.25	0.05	0.08	0.09	0.04			
0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00			
2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.16	1.09	0.99	0.83	0.56	0.34	1.16	2.09	0.90	0.25	0.76	1.26	1.51	0.63			
1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.50	0.48	0.44	0.38	0.28	0.18	0.50	0.83	0.90	0.20	0.27	0.45	0.54	0.18			
0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.13	0.13	0.12	0.11	0.10	0.09	0.13	0.17	0.50	0.25	0.03	0.05	0.06	0.03			
0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05	0.07	0.09	0.50	0.20	0.02	0.03	0.03	0.01			
0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.80	0.79	0.78	0.77	0.73	0.69	0.80	0.84	0.10	0.25	0.03	0.05	0.05	0.02			
0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46	0.54	0.57	0.10	0.20	0.02	0.03	0.04	0.01			
6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.10	4.00	3.86	3.62	3.20	2.80	4.10	5.30	0.50	0.25	0.95	1.58	1.89	0.79			
3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.59	2.53	2.45	2.31	2.04	1.76	2.59	3.28	0.50	0.20	0.56	0.93	1.11	0.37			
1.6	C2-15	S27.2	C	Apartments	69	50	86	1.33	1.31	1.29	1.25	1.18	1.10	1.33	1.46	0.20	0.25	0.10	0.16	0.19	0.08			
10.9	C2-15	S27.2	D	Apartments	75	57	91	9.25	9.15	9.01	8.76	8.24	7.61	9.25	10.13	0.20	0.20	0.65	1.09	1.31	0.44			
1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00	1.15	1.21	0.10	0.25	0.04	0.07	0.08	0.03			
1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01	1.17	1.23	0.10	0.20	0.04	0.07	0.08	0.03			
1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.91	0.90	0.89	0.86	0.81	0.76	0.91	1.00	0.20	0.25	0.07	0.11	0.13	0.06			
7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.94	5.88	5.79	5.62	5.29	4.89	5.94	6.51	0.20	0.20	0.42	0.70	0.84	0.28			
0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.26	0.25	0.24	0.23	0.19	0.16	0.26	0.35	0.60	0.20	0.07	0.12	0.14	0.05			
4.9	C2-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.19	3.11	3.00	2.82	2.49	2.18	3.19	4.12	0.50	0.25	0.74	1.23	1.47	0.61			
9.3	C2-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	6.52	6.37	6.16	5.80	5.12	4.41	6.52	8.25	0.50	0.20	1.40	2.33	2.79	0.93			
0.3	C2-15	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.18	0.16	0.21	0.26	0.40	0.25	0.04	0.06	0.07	0.03			
0.1	C2-15	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05	0.08	0.09	0.40	0.20	0.01	0.02	0.02	0.01			
3.3	C2-2	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.95	1.89	1.81	1.67	1.42	1.20	1.95	2.70	0.60	0.25	0.59	0.99	1.19	0.50			
4.4	C2-2	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.13	3.06	2.98	2.84	2.57	2.31	3.13	3.80	0.40	0.25	0.53	0.88	1.06	0.44			
0.7	C2-20	S27.2	D	Residential 2.5 acre lots	75	57	91	0.35	0.33	0.33	0.27	0.19	0.12	0.35	0.58	0.90	0.20	0.19	0.32	0.38	0.13			
0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.13	0.13	0.12	0.11	0.10	0.08	0.13	0.17	0.60	0.20	0.04	0.06	0.07	0.02			
1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.66	0.62	0.58	0.50	0.36	0.23	0.66	1.08	0.90	0.20	0.35	0.59	0.70	0.23			
0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.33	0.32	0.30	0.28	0.24	0.20	0.33	0.44	0.60	0.20	0.09	0.15	0.18	0.06			
0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.20	0.18	0.16	0.13	0.08	0.07	0.20	0.47	0.90	0.30	0.22	0.36	0.43	0.22			
1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15	0.50	0.90	0.90	0.25	0.32	0.54	0.65	0.27			
0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.10	0.10	0.09	0.08	0.06	0.04	0.10	0.17	0.90	0.20	0.05	0.09	0.11	0.04			
0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.19	0.19	0.18	0.17	0.15	0.14	0.19	0.28	0.60	0.30	0.07	0.12	0.14	0.07			
1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.01	0.97	0.93	0.86	0.73	0.62	1.01	1.39	0.60	0.25	0.31	0.51	0.61	0.26			
0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.06	0.06	0.06	0.05	0.04	0.07	0.09	0.60	0.20	0.02	0.03	0.04	0.01			
0.8	C2-23	S27.2	C	Apartments	69	50	86	0.66	0.66	0.65	0.63	0.59	0.55	0.66	0.73	0.20	0.25	0.05	0.08	0.10	0.04			
0.4	C2-23	S27.2	D	Apartments	75	57	91	0.34	0.34	0.33	0.32	0.30	0.28	0.34	0.37	0.20	0.20	0.02	0.04	0.05	0.02			
0.9	C2-23	S27.2	B	Public Park	56	36	76	0.26	0.24	0.22	0.18	0.13	0.11	0.26	0.54	0.85	0.30	0.23	0.38	0.46	0.23			
0.4	C2-23	S27.2	C	Public Park	69	50	86	0.18	0.17	0.15	0.13	0.10	0.06	0.18	0.30	0.85	0.25	0.10	0.17	0.20	0.09			
0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01	0.03	0.06	0.90	0.30	0.03	0.05	0.05	0.03			
0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08	0.29	0.52	0.90	0.25	0.19	0.32	0.38	0.16			
3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.60	1.54	1.48	1.37	1.21	1.12	1.60	2.33	0.60	0.30	0.59	0.99	1.19	0.59			
2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.24	1.20	1.15	1.06	0.91	0.76	1.24	1.72	0.60	0.25	0.38	0.63	0.76	0.32			
3.7	C2-24	S27.2	C	Apartments	69	50	86	3.07	3.03	2.99	2.90	2.73	2.54	3.07	3.37	0.20	0.25	0.22	0.37	0.44	0.19			
6.8	C2-24	S27.2	D	Apartments	75	57	91	5.77	5.71	5.62	5.46	5.14	4.75	5.77	6.32	0.20	0.20	0.41	0.68	0.82	0.27			
0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.58	0.57	0.56	0.55	0.52	0.48	0.58	0.64	0.20	0.25	0.04	0.07	0.08	0.04			
2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.21	2.18	2.15	2.09	1.97	1.82	2.21	2.42	0.20	0.20	0.16	0.26	0.31	0.10			
2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.30	1.26	1.21	1.11	0.95	0.80	1.30	1.80	0.60	0.25	0.40	0.66	0.79	0.33			
9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	6.45	6.27	6.02	5.58	4.77	3.96	6.45	8.64	0.60	0.20	1.78						

RANCHO MISSION VIEJO PA-3 (Local Hydrology) Unit Hydrograph Method Loss Rate Parameter Development - Watershed C2/ Line D

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN			Low Loss Fraction (1-Y) x Area										A _p	F _p	Maximum Loss Rate (F _m) x Area					
									Storm Event (Year)																	
						AMC					EV					HC					Storm Event (Year)					
						II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	5.63										
						P ₂₄ (Inches)															> 5	5	2	All		
3.7	C2-26	S27.2	D	Public Park	75	57	91	1.96	1.86	1.74	1.53	1.15	0.79	1.96	3.10	0.85	0.20	0.94	1.57	1.89	0.63					
7.4	C2-27	S27.2	A	Apartments	32	17	52	5.61	5.58	5.54	5.47	5.29	5.02	5.61	5.96	0.20	0.40	0.44	0.74	0.89	0.59					
15.0	C2-27	S27.2	B	Apartments	56	36	76	11.90	11.77	11.60	11.31	10.77	10.18	11.90	13.12	0.20	0.30	0.90	1.50	1.80	0.90					
5.8	C2-27	S27.2	C	Apartments	69	50	86	4.81	4.75	4.68	4.55	4.29	3.98	4.81	5.28	0.20	0.20	0.35	0.58	0.70	0.29					
2.5	C2-27	S27.2	D	Apartments	75	57	91	2.12	2.10	2.07	2.01	1.89	1.75	2.12	2.32	0.20	0.20	0.15	0.25	0.30	0.10					
9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.76	7.72	7.67	7.56	7.31	6.94	7.76	8.02	0.10	0.40	0.27	0.46	0.55	0.36					
1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.31	1.30	1.28	1.26	1.21	1.14	1.31	1.37	0.10	0.30	0.05	0.08	0.09	0.05					
0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38	0.44	0.47	0.10	0.25	0.02	0.03	0.03	0.01					
0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.36	0.38	0.10	0.20	0.01	0.02	0.02	0.01					
0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.04	0.02	0.01	0.05	0.08	1.00	0.25	0.03	0.05	0.06	0.03					
2.0	C2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.83	0.78	0.71	0.59	0.40	0.24	0.83	1.50	0.90	0.25	0.54	0.90	1.08	0.45					
8.8	C2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	5.21	5.04	4.82	4.45	3.79	3.20	5.21	7.20	0.60	0.25	1.58	2.64	3.17	1.32					
0.1	C2-3	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.08	0.40	0.30	0.01	0.02	0.02	0.01					
4.9	C2-3	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.48	3.41	3.32	3.16	2.87	2.57	3.48	4.24	0.40	0.25	0.59	0.98	1.18	0.49					
0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.25	0.00	0.01	0.01	0.00					
0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00					
0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.04	0.02	0.01	0.05	0.08	1.00	0.25	0.03	0.05	0.06	0.03					
4.9	C2-4	S27.2	C	Residential 2.5 acre lots	69	50	86	2.03	1.90	1.73	1.45	0.98	0.59	2.03	3.66	0.90	0.25	1.32	2.21	2.65	1.10					
1.5	C2-4	S27.2	D	Residential 2.5 acre lots	75	57	91	0.76	0.72	0.67	0.58	0.41	0.26	0.76	1.25	0.90	0.20	0.41	0.68	0.81	0.27					
1.0	C2-4	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.59	0.57	0.55	0.51	0.43	0.36	0.59	0.82	0.60	0.25	0.18	0.30	0.36	0.15					
8.8	C2-4	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	5.73	5.59	5.39	5.06	4.47	3.91	5.73	7.40	0.50	0.25	1.32	2.20	2.64	1.10					
4.2	C2-4	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.94	2.88	2.78	2.62	2.31	1.99	2.94	3.73	0.50	0.20	0.63	1.05	1.26	0.42					
1.1	C2-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.78	0.77	0.75	0.71	0.64	0.58	0.78	0.95	0.40	0.25	0.13	0.22	0.26	0.11					
0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.25	0.00	0.01	0.01	0.00					
1.8	C2-5	S27.2	C	Public Park	69	50	86	0.80	0.75	0.70	0.60	0.43	0.29	0.80	1.37	0.85	0.25	0.46	0.77	0.92	0.38					
0.4	C2-5	S27.2	D	Public Park	75	57	91	0.21	0.20	0.19	0.17	0.12	0.09	0.21	0.33	0.85	0.20	0.10	0.17	0.20	0.07					
1.8	C2-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.75	0.70	0.64	0.53	0.36	0.22	0.75	1.35	0.90	0.25	0.49	0.81	0.97	0.41					
2.8	C2-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.41	1.34	1.24	1.07	0.77	0.49	1.41	2.33	0.90	0.20	0.76	1.26	1.51	0.50					
6.1	C2-5	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.97	3.87	3.74	3.51	3.10	2.71	3.97	5.13	0.50	0.25	0.92	1.53	1.83	0.76					
11.2	C2-5	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	7.85	7.67	7.42	6.98	6.17	5.31	7.85	9.93	0.50	0.20	1.68	2.80	3.36	1.12					
7.8	C2-5	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	5.54	5.43	5.28	5.03	4.56	4.09	5.54	6.74	0.40	0.25	0.94	1.56	1.87	0.78					
1.4	C2-5	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	1.05	1.03	1.00	0.96	0.87	0.77	1.05	1.26	0.40	0.20	0.17	0.28	0.34	0.11					
5.5	C2-6	S27.2	C	Commercial, Industrial	69	50	86	4.89	4.85	4.79	4.70	4.49	4.22	4.89	5.14	0.10	0.25	0.17	0.28	0.33	0.14					
1.9	C2-6	S27.2	D	Commercial, Industrial	75	57	91	1.71	1.69	1.68	1.64	1.57	1.47	1.71	1.79	0.10	0.20	0.06	0.10	0.11	0.04					
2.5	C2-6	S27.2	C	Public Park	69	50	86	1.11	1.05	0.97	0.83	0.60	0.40	1.11	1.90	0.85	0.25	0.64	1.06	1.28	0.53					
0.9	C2-6	S27.2	D	Public Park	75	57	91	0.48	0.45	0.42	0.37	0.28	0.19	0.48	0.75	0.85	0.20	0.23	0.38	0.46	0.15					
36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	30.18	29.83	29.37	28.54	26.90	24.99	30.18	33.17	0.20	0.25	2.18	3.64	4.37	1.82					
13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.55	11.42	11.25	10.93	10.28	9.50	11.55	12.64	0.20	0.20	0.82	1.36	1.63	0.54					
4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.95	1.82	1.66	1.39	0.94	0.57	1.95	3.52	0.90	0.25	1.27	2.12	2.54	1.06					
2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.06	1.00	0.93	0.81	0.58	0.37	1.06	1.74	0.90	0.20	0.57	0.95	1.13	0.38					
0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.06	0.06	0.05	0.05	0.04	0.04	0.06	0.08	0.60	0.25	0.02	0.03	0.04	0.02					
0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.13	0.20	0.25	0.50	0.25	0.05	0.08	0.09	0.04					
0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05	0.07	0.09	0.50	0.20	0.02	0.03	0.03	0.01					
0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.08	0.40	0.30	0.01	0.02	0.02	0.01					
9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.61	6.48	6.30	6.00	5.44	4.88	6.61	8.04	0.40	0.25	1.12	1.86	2.23	0.93					
0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.68	0.66	0.65	0.62	0.56	0.49	0.68	0.81	0.40	0.20	0.11	0.18	0.22	0.07					
0.3	C2-7	S27.2	D	Apartments	75	57	91	0.25	0.25	0.25	0.24	0.23	0.21	0.25	0.28	0.20	0.20	0.02	0.03	0.04	0.01					
0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46	0.52	0.55	0.10	0.30	0.02	0.03	0.04	0.02					
9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.08	8.02	7.93	7.77	7.43	6.98	8.08	8.50	0.10	0.25	0.27	0.46	0.55	0.23					
6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.02	5.97	5.91	5.79	5.52	5.18	6.02	6.32	0.10	0.20	0.20	0.34	0.40	0.13					
0.5	C2-7	S27.2	C	Public Park	69	50	86	0.22	0.21	0.19	0.17	0.12	0.08	0.22	0.38	0.85	0.25	0.13	0.21	0.26	0.11					
2.6	C2-7	S27.2	D	Public Park	75	57	91	1.37	1.31	1.22	1.08	0.81	0.55	1.37	2.18	0.85	0.20	0.66	1.11	1.33	0.44					
0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.45	0.45	0.45	0.44	0.43	0.41	0.45	0.48	0.20	0.40	0.04	0.06	0.07	0.05					
2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.90	1.88	1.86	1.81	1.72	1.63	1.90	2.10	0.20	0.30	0.14	0.24	0.29	0.14					
10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	8.79	8.69	8.55	8.31	7.83	7.28	8.79	9.66	0.20	0.25	0.64	1.06	1.27	0.53					
0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.51	0.50	0.50	0.48	0.45	0.42	0.51	0.56	0.20	0.20	0.04	0.06	0.07	0.02					
1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.79	0.74	0.67	0.56	0.38	0.23	0.79	1.42	0.90	0.25	0.51	0.86	1.03	0.43					
0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.35	0.33	0.31	0.27	0.19	0.12	0.35	0.58	0.90	0.20	0.19	0.32	0.38	0.13					
14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	8.47	8.20	7.84	7.22	6.17	5.20	8.47	11.70	0.60	0.25	2.57	4.29	5.15	2.15					
15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	9.97	9.69	9.30	8.62	7.38	6.12	9.97	13.35	0.60	0.20	2.75	4.59	5.51	1.84					
0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.19	0.19	0.18	0.18	0.17	0.19	0.23												

RANCHO MISSION VIEJO
PA-3 (Local Hydrology)
 Unit Hydrograph Method Loss Rate Parameter Development - Watershed C2/ Line D

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area										A _p	F _p	Maximum Loss Rate (F _m) x Area						
								Storm Event (Year)												Storm Event (Year)						
						AMC					EV					HC										
											P ₂₄ (Inches)															
						II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	5.63							> 5	5	2	All
0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.36	0.38	0.10	0.20	0.01	0.02	0.02	0.01					
5.7	C2-8	S27.2	B	Public Park	56	36	76	1.66	1.54	1.39	1.15	0.85	0.73	1.66	3.44	0.85	0.30	1.45	2.42	2.91	1.45					
4.5	C2-8	S27.2	C	Public Park	69	50	86	2.00	1.89	1.74	1.49	1.07	0.73	2.00	3.42	0.85	0.25	1.15	1.91	2.30	0.96					
9.4	C2-8	S27.2	D	Public Park	75	57	91	4.97	4.74	4.43	3.89	2.92	2.00	4.97	7.87	0.85	0.20	2.40	4.00	4.79	1.60					
0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.06	0.05	0.05	0.04	0.03	0.02	0.06	0.09	1.00	0.25	0.03	0.05	0.06	0.03					
1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.47	0.32	0.17	0.64	1.09	1.00	0.25	0.39	0.65	0.78	0.33					
0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.05	0.04	0.02	0.06	0.09	1.00	0.20	0.03	0.05	0.06	0.02					
0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.06	0.06	0.06	0.04	0.03	0.07	0.09	1.00	0.20	0.03	0.05	0.06	0.02					
1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.83	0.79	0.72	0.61	0.41	0.22	0.83	1.43	1.00	0.25	0.51	0.85	1.02	0.43					
0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.05	0.04	0.02	0.06	0.09	1.00	0.20	0.03	0.05	0.06	0.02					
3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	1.81	1.71	1.57	1.33	0.90	0.48	1.81	3.11	1.00	0.25	1.11	1.85	2.22	0.93					
1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15	0.50	0.90	0.90	0.25	0.32	0.54	0.65	0.27					
1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.71	0.69	0.66	0.61	0.52	0.44	0.71	0.98	0.60	0.25	0.22	0.36	0.43	0.18					
0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.11	0.07	0.04	0.15	0.25	1.00	0.25	0.09	0.15	0.18	0.08					
462.5	Low Loss Fraction (1-Y) =							0.311	0.326	0.346	0.381	0.443	0.506	0.311	0.143	F _m =		0.135	0.225	0.270	0.108					

RANCHO MISSION VIEJO PA-3 (Local Hydrology) Unit Hydrograph Method Loss Rate Parameter Development - Watershed C2/ Line D - Multiday Day 2

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area										A _p	F _p	Maximum Loss Rate (F _m) x Area				
								Storm Event (Year)																
								EV					HC											
								100					25							10				
								AMC					P ₂₄ (Inches)											
II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	2.59														
				> 5	5	2	All																	
1.2	C2-1	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.85	0.84	0.81	0.77	0.70	0.63	0.85	0.90	0.40	0.25	0.14	0.24	0.29	0.12			
0.5	C2-10	S27.2	D	Residential 2.5 acre lots	75	57	91	0.25	0.24	0.22	0.19	0.14	0.09	0.25	0.34	0.90	0.20	0.14	0.23	0.27	0.09			
0.2	C2-10	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.13	0.13	0.12	0.11	0.10	0.08	0.13	0.15	0.60	0.20	0.04	0.06	0.07	0.02			
0.9	C2-11	S27.2	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.27	0.18	0.11	0.37	0.50	0.90	0.25	0.24	0.41	0.49	0.20			
0.3	C2-11	S27.2	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05	0.15	0.20	0.90	0.20	0.08	0.14	0.16	0.05			
0.1	C2-11	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.06	0.06	0.06	0.05	0.04	0.07	0.08	0.60	0.20	0.02	0.03	0.04	0.01			
0.1	C2-11	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04	0.07	0.07	0.50	0.25	0.02	0.03	0.03	0.01			
0.3	C2-11	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.21	0.21	0.20	0.19	0.17	0.14	0.21	0.23	0.50	0.20	0.05	0.08	0.09	0.03			
2.0	C2-12	S27.2	C	Residential 2.5 acre lots	69	50	86	0.83	0.78	0.71	0.59	0.40	0.24	0.83	1.11	0.90	0.25	0.54	0.90	1.08	0.45			
0.4	C2-12	S27.2	D	Residential 2.5 acre lots	75	57	91	0.20	0.19	0.18	0.15	0.11	0.07	0.20	0.27	0.90	0.20	0.11	0.18	0.22	0.07			
0.4	C2-12	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.26	0.25	0.25	0.23	0.20	0.18	0.26	0.29	0.50	0.25	0.06	0.10	0.12	0.05			
0.3	C2-12	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.21	0.21	0.20	0.19	0.17	0.14	0.21	0.23	0.50	0.20	0.05	0.08	0.09	0.03			
0.1	C2-13	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07	0.08	0.08	0.20	0.25	0.01	0.01	0.01	0.01			
1.5	C2-13	S27.2	C	Commercial, Industrial	69	50	86	1.33	1.32	1.31	1.28	1.22	1.15	1.33	1.31	0.10	0.25	0.05	0.08	0.09	0.04			
0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00			
2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.16	1.09	0.99	0.83	0.56	0.34	1.16	1.55	0.90	0.25	0.76	1.26	1.51	0.63			
1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.50	0.48	0.44	0.38	0.28	0.18	0.50	0.68	0.90	0.20	0.27	0.45	0.54	0.18			
0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.13	0.13	0.12	0.11	0.10	0.09	0.13	0.14	0.50	0.25	0.03	0.05	0.06	0.03			
0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05	0.07	0.08	0.50	0.20	0.02	0.03	0.03	0.01			
0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.80	0.79	0.78	0.77	0.73	0.69	0.80	0.78	0.10	0.25	0.03	0.05	0.05	0.02			
0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46	0.54	0.53	0.10	0.20	0.02	0.03	0.04	0.01			
6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.10	4.00	3.86	3.62	3.20	2.80	4.10	4.49	0.50	0.25	0.95	1.58	1.89	0.79			
3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.59	2.53	2.45	2.31	2.04	1.76	2.59	2.89	0.50	0.20	0.56	0.93	1.11	0.37			
1.6	C2-15	S27.2	C	Apartments	69	50	86	1.33	1.31	1.29	1.25	1.18	1.10	1.33	1.33	0.20	0.25	0.10	0.16	0.19	0.08			
10.9	C2-15	S27.2	D	Apartments	75	57	91	9.25	9.15	9.01	8.76	8.24	7.61	9.25	9.37	0.20	0.20	0.65	1.09	1.31	0.44			
1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00	1.15	1.13	0.10	0.25	0.04	0.07	0.08	0.03			
1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01	1.17	1.15	0.10	0.20	0.04	0.07	0.08	0.03			
1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.91	0.90	0.89	0.86	0.81	0.76	0.91	0.91	0.20	0.25	0.07	0.11	0.13	0.06			
7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.94	5.88	5.79	5.62	5.29	4.89	5.94	6.02	0.20	0.20	0.42	0.70	0.84	0.28			
0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.26	0.25	0.24	0.23	0.19	0.16	0.26	0.30	0.60	0.20	0.07	0.12	0.14	0.05			
4.9	C2-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.19	3.11	3.00	2.82	2.49	2.18	3.19	3.49	0.50	0.25	0.74	1.23	1.47	0.61			
9.3	C2-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	6.52	6.37	6.16	5.80	5.12	4.41	6.52	7.28	0.50	0.20	1.40	2.33	2.79	0.93			
0.3	C2-15	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.18	0.16	0.21	0.23	0.40	0.25	0.04	0.06	0.07	0.03			
0.1	C2-15	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05	0.08	0.08	0.40	0.20	0.01	0.02	0.02	0.01			
3.3	C2-2	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.95	1.89	1.81	1.67	1.42	1.20	1.95	2.22	0.60	0.25	0.59	0.99	1.19	0.50			
4.4	C2-2	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.13	3.06	2.98	2.84	2.57	2.31	3.13	3.31	0.40	0.25	0.53	0.88	1.06	0.44			
0.7	C2-20	S27.2	D	Residential 2.5 acre lots	75	57	91	0.35	0.33	0.33	0.27	0.19	0.12	0.35	0.48	0.90	0.20	0.19	0.32	0.38	0.13			
0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.13	0.13	0.12	0.11	0.10	0.08	0.13	0.15	0.60	0.20	0.04	0.06	0.07	0.02			
1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.66	0.62	0.58	0.50	0.36	0.23	0.66	0.88	0.90	0.20	0.35	0.59	0.70	0.23			
0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.33	0.32	0.30	0.28	0.24	0.20	0.33	0.38	0.60	0.20	0.09	0.15	0.18	0.06			
0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.20	0.18	0.16	0.13	0.08	0.07	0.20	0.28	0.90	0.30	0.22	0.36	0.43	0.22			
1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15	0.50	0.66	0.90	0.25	0.32	0.54	0.65	0.27			
0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.10	0.10	0.09	0.08	0.06	0.04	0.10	0.14	0.90	0.20	0.05	0.09	0.11	0.04			
0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.19	0.19	0.18	0.17	0.15	0.14	0.19	0.21	0.60	0.30	0.07	0.12	0.14	0.07			
1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.01	0.97	0.93	0.86	0.73	0.62	1.01	1.14	0.60	0.25	0.31	0.51	0.61	0.26			
0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.06	0.06	0.06	0.05	0.04	0.07	0.08	0.60	0.20	0.02	0.03	0.04	0.01			
0.8	C2-23	S27.2	C	Apartments	69	50	86	0.66	0.66	0.65	0.63	0.59	0.55	0.66	0.67	0.20	0.25	0.05	0.08	0.10	0.04			
0.4	C2-23	S27.2	D	Apartments	75	57	91	0.34	0.34	0.33	0.32	0.30	0.28	0.34	0.34	0.20	0.20	0.02	0.04	0.05	0.02			
0.9	C2-23	S27.2	B	Public Park	56	36	76	0.26	0.24	0.22	0.18	0.13	0.11	0.26	0.34	0.85	0.30	0.23	0.38	0.46	0.23			
0.4	C2-23	S27.2	C	Public Park	69	50	86	0.18	0.17	0.15	0.13	0.10	0.06	0.18	0.23	0.85	0.25	0.10	0.17	0.20	0.09			
0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01	0.03	0.03	0.90	0.30	0.03	0.05	0.05	0.03			
0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08	0.29	0.39	0.90	0.25	0.19	0.32	0.38	0.16			
3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.60	1.54	1.48	1.37	1.21	1.12	1.60	1.77	0.60	0.30	0.59	0.99	1.19	0.59			
2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.24	1.20	1.15	1.06	0.91	0.76	1.24	1.41	0.60	0.25	0.38	0.63	0.76	0.32			
3.7	C2-24	S27.2	C	Apartments	69	50	86	3.07	3.03	2.99	2.90	2.73	2.54	3.07	3.08	0.20	0.25	0.22	0.37	0.44	0.19			
6.8	C2-24	S27.2	D	Apartments	75	57	91	5.77	5.71	5.62	5.46	5.14	4.75	5.77	5.85	0.20	0.20	0.41	0.68	0.82	0.27			
0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.58	0.57	0.56	0.55	0.52	0.48	0.58	0.58	0.20	0.25	0.04	0.07	0.08	0.04			
2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.21	2.18	2.15	2.09	1.97	1.82	2.21	2.24	0.20	0.20	0.16	0.26	0.31	0.10			
2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.30	1.26	1.21	1.11	0.95	0.80	1.30	1.48	0.60	0.25	0.40	0.66	0.79	0.33			
9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	6.45	6.27	6.02	5.58	4.77	3.96	6.45	7.49	0.60	0.20	1.78	2.97	3.56	1.19			
1.3																								

RANCHO MISSION VIEJO PA-3 (Local Hydrology) Unit Hydrograph Method Loss Rate Parameter Development - Watershed C2/ Line D - Multiday Day 2

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area										A _p	F _p	Maximum Loss Rate (F _m) x Area				
								Storm Event (Year)																
								EV					HC											
								100					25							10				
								AMC					P ₂₄ (Inches)											
II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	2.59														
				> 5	5	2	All																	
3.7	C2-26	S27.2	D	Public Park	75	57	91	1.96	1.86	1.74	1.53	1.15	0.79	1.96	2.56	0.85	0.20	0.94	1.57	1.89	0.63			
7.4	C2-27	S27.2	A	Apartments	32	17	52	5.61	5.58	5.54	5.47	5.29	5.02	5.61	5.43	0.20	0.40	0.44	0.74	0.89	0.59			
15.0	C2-27	S27.2	B	Apartments	56	36	76	11.90	11.77	11.60	11.31	10.77	10.18	11.90	11.79	0.20	0.30	0.90	1.50	1.80	0.90			
5.8	C2-27	S27.2	C	Apartments	69	50	86	4.81	4.75	4.68	4.55	4.29	3.98	4.81	4.82	0.20	0.25	0.35	0.58	0.70	0.29			
2.5	C2-27	S27.2	D	Apartments	75	57	91	2.12	2.10	2.07	2.01	1.89	1.75	2.12	2.15	0.20	0.20	0.15	0.25	0.30	0.10			
9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.76	7.72	7.67	7.56	7.31	6.94	7.76	7.48	0.10	0.40	0.27	0.46	0.55	0.36			
1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.31	1.30	1.28	1.26	1.21	1.14	1.31	1.27	0.10	0.30	0.05	0.08	0.09	0.05			
0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38	0.44	0.44	0.10	0.25	0.02	0.03	0.03	0.01			
0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.36	0.35	0.10	0.20	0.01	0.02	0.02	0.01			
0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.04	0.02	0.01	0.05	0.07	1.00	0.25	0.03	0.05	0.06	0.03			
2.0	C2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.83	0.78	0.71	0.59	0.40	0.24	0.83	1.11	0.90	0.25	0.54	0.90	1.08	0.45			
8.8	C2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	5.21	5.04	4.82	4.45	3.79	3.20	5.21	5.92	0.60	0.25	1.58	2.64	3.17	1.32			
0.1	C2-3	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.07	0.40	0.30	0.01	0.02	0.02	0.01			
4.9	C2-3	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.48	3.41	3.32	3.16	2.87	2.57	3.48	3.69	0.40	0.25	0.59	0.98	1.18	0.49			
0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.25	0.00	0.01	0.01	0.00			
0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.20	0.00	0.01	0.01	0.00			
0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.04	0.02	0.01	0.05	0.07	1.00	0.25	0.03	0.05	0.06	0.03			
4.9	C2-4	S27.2	C	Residential 2.5 acre lots	69	50	86	2.03	1.90	1.73	1.45	0.98	0.59	2.03	2.71	0.90	0.25	1.32	2.21	2.65	1.10			
1.5	C2-4	S27.2	D	Residential 2.5 acre lots	75	57	91	0.76	0.72	0.67	0.58	0.41	0.26	0.76	1.02	0.90	0.20	0.41	0.68	0.81	0.27			
1.0	C2-4	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.59	0.57	0.55	0.51	0.43	0.36	0.59	0.67	0.60	0.25	0.18	0.30	0.36	0.15			
8.8	C2-4	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	5.73	5.59	5.39	5.06	4.47	3.91	5.73	6.27	0.50	0.25	1.32	2.20	2.64	1.10			
4.2	C2-4	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.94	2.88	2.78	2.62	2.31	1.99	2.94	3.29	0.50	0.20	0.63	1.05	1.26	0.42			
1.1	C2-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.78	0.75	0.71	0.64	0.58	0.78	0.83	0.40	0.25	0.13	0.22	0.26	0.11				
0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.10	0.25	0.00	0.01	0.01	0.00			
1.8	C2-5	S27.2	C	Public Park	69	50	86	0.80	0.75	0.70	0.60	0.43	0.29	0.80	1.03	0.85	0.25	0.46	0.77	0.92	0.38			
0.4	C2-5	S27.2	D	Public Park	75	57	91	0.21	0.20	0.19	0.17	0.12	0.09	0.21	0.28	0.85	0.20	0.10	0.17	0.20	0.07			
1.8	C2-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.75	0.70	0.64	0.53	0.36	0.22	0.75	1.00	0.90	0.25	0.49	0.81	0.97	0.41			
2.8	C2-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.41	1.34	1.24	1.07	0.77	0.49	1.41	1.90	0.90	0.20	0.76	1.26	1.51	0.50			
6.1	C2-5	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.97	3.87	3.74	3.51	3.10	2.71	3.97	4.35	0.50	0.25	0.92	1.53	1.83	0.76			
11.2	C2-5	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	7.85	7.67	7.42	6.98	6.17	5.31	7.85	8.76	0.50	0.20	1.68	2.80	3.36	1.12			
7.8	C2-5	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	5.54	5.43	5.26	5.03	4.56	4.09	5.54	5.87	0.40	0.25	0.94	1.56	1.87	0.78			
1.4	C2-5	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	1.05	1.03	1.00	0.96	0.87	0.77	1.05	1.13	0.40	0.20	0.17	0.28	0.34	0.11			
5.5	C2-6	S27.2	C	Commercial, Industrial	69	50	86	4.89	4.85	4.79	4.70	4.49	4.22	4.89	4.79	0.10	0.25	0.17	0.28	0.33	0.14			
1.9	C2-6	S27.2	D	Commercial, Industrial	75	57	91	1.71	1.69	1.68	1.64	1.57	1.47	1.71	1.68	0.10	0.20	0.06	0.10	0.11	0.04			
2.5	C2-6	S27.2	C	Public Park	69	50	86	1.11	1.05	0.97	0.83	0.60	0.40	1.11	1.43	0.85	0.25	0.64	1.06	1.28	0.53			
0.9	C2-6	S27.2	D	Public Park	75	57	91	0.48	0.45	0.42	0.37	0.28	0.19	0.48	0.62	0.85	0.20	0.23	0.38	0.46	0.15			
36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	30.18	29.83	29.37	28.54	26.90	24.99	30.18	30.28	0.20	0.25	1.18	3.64	4.37	1.82			
13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.55	11.42	11.25	10.93	10.28	9.50	11.55	11.69	0.20	0.20	0.82	1.36	1.63	0.54			
4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.95	1.82	1.66	1.39	0.94	0.57	1.95	2.60	0.90	0.25	1.27	2.12	2.54	1.06			
2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.06	1.00	0.93	0.81	0.58	0.37	1.06	1.43	0.90	0.20	0.57	0.95	1.13	0.38			
0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.06	0.06	0.05	0.05	0.04	0.04	0.06	0.07	0.60	0.25	0.02	0.03	0.04	0.02			
0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.13	0.20	0.21	0.50	0.25	0.05	0.08	0.09	0.04			
0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05	0.07	0.08	0.50	0.20	0.02	0.03	0.03	0.01			
0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.07	0.40	0.30	0.01	0.02	0.02	0.01			
9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.61	6.48	6.30	6.00	5.44	4.88	6.61	7.00	0.40	0.25	1.12	1.86	2.23	0.93			
0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.68	0.66	0.65	0.62	0.56	0.49	0.68	0.73	0.40	0.20	0.11	0.18	0.22	0.07			
0.3	C2-7	S27.2	D	Apartments	75	57	91	0.25	0.25	0.25	0.24	0.23	0.21	0.25	0.26	0.20	0.20	0.02	0.03	0.04	0.01			
0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46	0.52	0.51	0.10	0.30	0.02	0.03	0.04	0.02			
9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.08	8.02	7.93	7.77	7.43	6.98	8.08	7.93	0.10	0.25	0.27	0.46	0.55	0.23			
6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.02	5.97	5.91	5.79	5.52	5.18	6.02	5.93	0.10	0.20	0.20	0.34	0.40	0.13			
0.5	C2-7	S27.2	C	Public Park	69	50	86	0.22	0.21	0.19	0.17	0.12	0.08	0.22	0.29	0.85	0.25	0.13	0.21	0.26	0.11			
2.6	C2-7	S27.2	D	Public Park	75	57	91	1.37	1.31	1.22	1.08	0.81	0.55	1.37	1.80	0.85	0.20	0.66	1.11	1.33	0.44			
0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.45	0.45	0.45	0.44	0.43	0.41	0.45	0.44	0.20	0.40	0.04	0.06	0.07	0.05			
2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.90	1.88	1.86	1.81	1.72	1.63	1.90	1.89	0.20	0.30	0.14	0.24	0.29	0.14			
10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	8.79	8.69	8.55	8.31	7.83	7.28	8.79	8.82	0.20	0.25	0.64	1.06	1.27	0.53			
0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.51	0.50	0.50	0.48	0.45	0.42	0.51	0.52	0.20	0.20	0.04	0.06	0.07	0.02			
1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.79	0.74	0.67	0.56	0.38	0.23	0.79	1.05	0.90	0.25	0.51	0.86	1.03	0.43			
0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.35	0.33	0.31	0.27	0.19	0.12	0.35	0.48	0.90	0.20	0.19	0.32	0.38	0.13			
14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	8.47	8.20	7.84	7.22	6.17	5.20	8.47	9.62	0.60	0.25	2.57	4.29	5.15	2.15			
15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	9.97	9.69	9.30	8.62	7.38	6.12	9.97	11.58	0.60	0.20	2.75	4.59	5.51	1.84			
0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.19	0.19															

<p style="text-align: center;">RANCHO MISSION VIEJO PA-3 (Local Hydrology) Unit Hydrograph Method Loss Rate Parameter Development - Watershed C2/ Line D - Multiday Day 2</p>																											
Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN			Low Loss Fraction (1-Y) x Area								A _p	F _p	Maximum Loss Rate (F _m) x Area								
									Storm Event (Year)														HC				
						AMC				EV				HC					Storm Event (Year)								
						P ₂₄ (Inches)				EV				HC					EV				HC				
						II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	4.49	2.59			0.10	0.20	> 5	5	2	All			
0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.36	0.35	0.10	0.20	0.01	0.02	0.02	0.01						
5.7	C2-8	S27.2	B	Public Park	56	36	76	1.66	1.54	1.39	1.15	0.85	0.73	1.66	2.16	0.85	0.30	1.45	2.42	2.91	1.45						
4.5	C2-8	S27.2	C	Public Park	69	50	86	2.00	1.89	1.74	1.49	1.07	0.73	2.00	2.58	0.85	0.25	1.15	1.91	2.30	0.96						
9.4	C2-8	S27.2	D	Public Park	75	57	91	4.97	4.74	4.43	3.89	2.92	2.00	4.97	6.51	0.85	0.20	2.40	4.00	4.79	1.60						
0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.06	0.05	0.05	0.04	0.03	0.02	0.06	0.08	1.00	0.25	0.03	0.05	0.06	0.03						
1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.47	0.32	0.17	0.64	0.90	1.00	0.25	0.39	0.65	0.78	0.33						
0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.05	0.04	0.02	0.06	0.08	1.00	0.20	0.03	0.05	0.06	0.02						
0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.06	0.06	0.06	0.04	0.03	0.07	0.09	1.00	0.20	0.03	0.05	0.06	0.02						
1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.83	0.79	0.72	0.61	0.41	0.22	0.83	1.18	1.00	0.25	0.51	0.85	1.02	0.43						
0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.05	0.04	0.02	0.06	0.08	1.00	0.20	0.03	0.05	0.06	0.02						
3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	1.81	1.71	1.57	1.33	0.90	0.48	1.81	2.56	1.00	0.25	1.11	1.85	2.22	0.93						
1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15	0.50	0.66	0.90	0.25	0.32	0.54	0.65	0.27						
1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.71	0.69	0.66	0.61	0.52	0.44	0.71	0.81	0.60	0.25	0.22	0.36	0.43	0.18						
0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.11	0.07	0.04	0.15	0.21	1.00	0.25	0.09	0.15	0.18	0.08						
462.5	Low Loss Fraction (1-Y) =							0.311	0.326	0.346	0.381	0.443	0.506	0.311	0.256	F _m =	0.135	0.225	0.270	0.108							

RANCHO MISSION VIEJO
PA-3 Subwatershed C (Local Hydrology)

Unit Hydrograph Method Loss Rate Parameter Development - Watershed C Offsite

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Low Loss Fraction (1-Y) x Area														A _s	F _p	Maximum Loss Rate (F _m) x Area				
						Curve Number CN	Storm Event (Year)										Storm Event (Year)									
							EV					HC					Storm Event (Year)									
						AMC		100	50	25	10	5	2	25	100	Storm Event (Year)										
						II	I	P ₂₄ (Inches)										> 5	5			2	All			
0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.11	0.11	0.10	0.09	0.06	0.04	0.11	0.18	1.00	0.25	0.06	0.10	0.12	0.05					
1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.59	0.56	0.51	0.43	0.29	0.15	0.59	1.01	1.00	0.25	0.36	0.60	0.72	0.30					
1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.96	0.92	0.86	0.75	0.55	0.34	0.96	1.51	1.00	0.25	0.51	0.85	1.02	0.43					
0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.40	0.39	0.37	0.33	0.27	0.19	0.40	0.56	1.00	0.20	0.18	0.30	0.36	0.12					
1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.64	0.60	0.54	0.45	0.29	0.14	0.64	1.14	1.00	0.25	0.42	0.70	0.84	0.35					
0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.20	0.18	0.13	0.08	0.23	0.36	1.00	0.20	0.12	0.20	0.24	0.08					
8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	4.75	4.53	4.24	3.71	2.70	1.66	4.75	7.46	1.00	0.25	2.52	4.20	5.04	2.10					
9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.13	5.93	5.65	5.13	4.08	2.89	6.13	8.66	1.00	0.20	2.76	4.60	5.52	1.84					
2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.32	1.25	1.15	0.97	0.65	0.35	1.32	2.27	1.00	0.25	0.81	1.35	1.62	0.68					
0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.36	0.35	0.33	0.29	0.22	0.14	0.36	0.55	1.00	0.20	0.18	0.30	0.36	0.12					
1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.73	0.68	0.62	0.52	0.33	0.16	0.73	1.31	1.00	0.25	0.48	0.80	0.96	0.40					
1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.57	0.54	0.50	0.44	0.32	0.20	0.57	0.89	1.00	0.20	0.30	0.50	0.60	0.20					
5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.11	2.97	2.77	2.43	1.77	1.09	3.11	4.88	1.00	0.25	1.65	2.75	3.30	1.38					
6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	4.53	4.38	4.17	3.79	3.02	2.14	4.53	6.40	1.00	0.20	2.04	3.40	4.08	1.36					
1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	0.88	0.83	0.77	0.65	0.44	0.23	0.88	1.51	1.00	0.25	0.54	0.90	1.08	0.45					
2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.51	1.45	1.37	1.21	0.92	0.60	1.51	2.28	1.00	0.20	0.75	1.25	1.50	0.50					
0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.29	0.28	0.26	0.22	0.15	0.08	0.29	0.50	1.00	0.25	0.18	0.30	0.36	0.15					
0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.05	0.03	0.02	0.06	0.09	1.00	0.20	0.03	0.05	0.06	0.02					
6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.87	2.69	2.45	2.04	1.31	0.64	2.87	5.14	1.00	0.25	1.89	3.15	3.78	1.58					
0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.11	0.11	0.10	0.09	0.06	0.04	0.11	0.18	1.00	0.20	0.06	0.10	0.12	0.04					
5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.34	3.18	2.97	2.60	1.90	1.16	3.34	5.24	1.00	0.25	1.77	2.95	3.54	1.48					
12.7	OC1-5	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	8.47	8.18	7.79	7.08	5.64	3.99	8.47	11.95	1.00	0.20	3.81	6.35	7.62	2.54					
6.8	OC1-5	S27.2	C	Open Brush, Fair	77	59	92	3.34	3.15	2.89	2.45	1.65	0.88	3.34	5.71	1.00	0.25	2.04	3.40	4.08	1.70					
3.2	OC1-5	S27.2	D	Open Brush, Fair	83	67	96	1.94	1.86	1.75	1.55	1.17	0.77	1.94	2.92	1.00	0.20	0.96	1.60	1.92	0.64					
1.0	OC1-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.41	0.39	0.35	0.30	0.20	0.12	0.41	0.75	0.90	0.25	0.27	0.45	0.54	0.23					
2.7	OC1-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.36	1.29	1.20	1.04	0.75	0.47	1.36	2.24	0.90	0.20	0.73	1.22	1.46	0.49					
0.5	OC1-5	S27.2	C	Woodland, Grass, Fair	77	59	92	0.25	0.23	0.21	0.18	0.12	0.06	0.25	0.42	1.00	0.25	0.15	0.25	0.30	0.13					
0.1	OC1-5	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.05	0.03	0.02	0.06	0.09	1.00	0.20	0.03	0.05	0.06	0.02					
0.5	OC1-6	S27.2	A	Chaparral, Broadleaf, Fair	40	23	60	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.15	1.00	0.40	0.15	0.25	0.30	0.20					
0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.27	0.26	0.23	0.19	0.12	0.06	0.27	0.49	1.00	0.25	0.18	0.30	0.36	0.15					
1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.28	1.27	1.26	1.25	1.21	1.14	1.28	1.32	0.10	0.40	0.05	0.08	0.09	0.06					
0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53	0.61	0.64	0.10	0.30	0.02	0.04	0.04	0.02					
1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.42	1.41	1.39	1.37	1.31	1.23	1.42	1.50	0.10	0.25	0.05	0.08	0.10	0.04					
1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85	0.99	1.04	0.10	0.20	0.03	0.06	0.07	0.02					
0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.85	0.40	0.03	0.04	0.05	0.03				
3.8	OC1-6	S27.2	C	Public Park	69	50	86	1.69	1.59	1.47	1.26	0.91	0.61	1.69	2.89	0.85	0.25	0.97	1.62	1.94	0.81					
2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.32	1.26	1.18	1.03	0.78	0.53	1.32	2.09	0.85	0.20	0.64	1.06	1.28	0.43					
0.1	OC1-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05	0.07	0.09	0.40	0.25	0.01	0.02	0.02	0.01					
1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.15	0.13	0.09	0.04	0.00	0.00	0.15	0.63	1.00	0.40	0.42	0.70	0.84	0.56					
2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.48	1.40	1.30	1.12	0.78	0.45	1.48	2.42	1.00	0.25	0.84	1.40	1.68	0.70					
0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.06	0.06	0.06	0.05	0.04	0.03	0.06	0.09	1.00	0.20	0.03	0.05	0.06	0.02					
0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.03	0.02	0.01	0.00	0.00	0.00	0.03	0.15	1.00	0.40	0.12	0.20	0.24	0.16					
0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.06	0.03	0.01	0.09	0.20	1.00	0.30	0.09	0.15	0.18	0.09					
3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	1.67	1.57	1.45	1.23	0.82	0.44	1.67	2.86	1.00	0.25	1.02	1.70	2.04	0.85					
0.6	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.39	0.29	0.19	0.48	0.73	1.00	0.20	0.24	0.40	0.48	0.16					
2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.23	0.23	0.22	0.22	0.21	0.20	0.23	0.65	0.90	0.40	0.65	1.08	1.30	0.86					
0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.18	0.16	0.14	0.11	0.07	0.06	0.18	0.41	0.90	0.30	0.19	0.32	0.38	0.19					
3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.45	1.36	1.24	1.04	0.70	0.42	1.45	2.62	0.90	0.25	0.95	1.58	1.89	0.79					
1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.55	0.53	0.49	0.42	0.30	0.19	0.55	0.91	0.90	0.20	0.30	0.50	0.59	0.20					
0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.03	0.02	0.00	0.06	0.13	1.00	0.30	0.06	0.10	0.12	0.06					
1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	0.93	0.88	0.81	0.68	0.46	0.24	0.93	1.60	1.00	0.25	0.57	0.95	1.14	0.48					
117.2	Low Loss Fraction (1-Y) =							0.451	0.475	0.507	0.564	0.670	0.779	0.451	0.148		F _m =	0.283	0.472	0.566	0.224					

RANCHO MISSION VIEJO
PA-3 Subwatershed C (Local Hydrology)

Unit Hydrograph Method Loss Rate Parameter Development - Watershed C Offsite

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Low Loss Fraction (1-Y) x Area														A _s	F _p	Maximum Loss Rate (F _m) x Area				
						Curve Number CN	Storm Event (Year)										Storm Event (Year)									
							EV					HC					> 5		5			2	All			
						AMC			100	50	25	10	5	2	25	100										
						II	I	III	P ₂₄ (Inches)																	
0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.11	0.11	0.10	0.09	0.06	0.04	0.11	0.16	1.00	0.25	0.06	0.10	0.12	0.05					
1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.59	0.56	0.51	0.43	0.29	0.15	0.59	0.83	1.00	0.25	0.36	0.60	0.72	0.30					
1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.96	0.92	0.86	0.75	0.55	0.34	0.96	1.32	1.00	0.25	0.51	0.85	1.02	0.43					
0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.40	0.39	0.37	0.33	0.27	0.19	0.40	0.53	1.00	0.20	0.18	0.30	0.36	0.12					
1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.64	0.60	0.54	0.45	0.29	0.14	0.64	0.91	1.00	0.25	0.42	0.70	0.84	0.35					
0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.20	0.18	0.13	0.08	0.23	0.31	1.00	0.20	0.12	0.20	0.24	0.08					
8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	4.75	4.53	4.24	3.71	2.70	1.66	4.75	6.53	1.00	0.25	2.52	4.20	5.04	2.10					
9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.13	5.93	5.65	5.13	4.08	2.89	6.13	8.08	1.00	0.20	2.76	4.60	5.52	1.84					
2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.32	1.25	1.15	0.97	0.65	0.35	1.32	1.87	1.00	0.25	0.81	1.35	1.62	0.68					
0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.36	0.35	0.33	0.29	0.22	0.14	0.36	0.49	1.00	0.20	0.18	0.30	0.36	0.12					
1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.73	0.68	0.62	0.52	0.33	0.16	0.73	1.05	1.00	0.25	0.48	0.80	0.96	0.40					
1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.57	0.54	0.50	0.44	0.32	0.20	0.57	0.78	1.00	0.20	0.30	0.50	0.60	0.20					
5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.11	2.97	2.77	2.43	1.77	1.09	3.11	4.27	1.00	0.25	1.65	2.75	3.30	1.38					
6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	4.53	4.38	4.17	3.79	3.02	2.14	4.53	5.97	1.00	0.20	2.04	3.40	4.08	1.36					
1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	0.88	0.83	0.77	0.65	0.44	0.23	0.88	1.25	1.00	0.25	0.54	0.90	1.08	0.45					
2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.51	1.45	1.37	1.21	0.92	0.60	1.51	2.06	1.00	0.20	0.75	1.25	1.50	0.50					
0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.29	0.28	0.26	0.22	0.15	0.08	0.29	0.42	1.00	0.25	0.18	0.30	0.36	0.15					
0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.05	0.03	0.02	0.06	0.08	1.00	0.20	0.03	0.05	0.06	0.02					
6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.87	2.69	2.45	2.04	1.31	0.64	2.87	4.12	1.00	0.25	1.89	3.15	3.78	1.58					
0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.11	0.11	0.10	0.09	0.06	0.04	0.11	0.16	1.00	0.20	0.06	0.10	0.12	0.04					
5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.34	3.18	2.97	2.60	1.90	1.16	3.34	4.58	1.00	0.25	1.77	2.95	3.54	1.48					
12.7	OC1-5	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	8.47	8.18	7.79	7.08	5.64	3.99	8.47	11.15	1.00	0.20	3.81	6.35	7.62	2.54					
6.8	OC1-5	S27.2	C	Open Brush, Fair	77	59	92	3.34	3.15	2.89	2.45	1.65	0.88	3.34	4.71	1.00	0.25	2.04	3.40	4.08	1.70					
3.2	OC1-5	S27.2	D	Open Brush, Fair	83	67	96	1.94	1.86	1.75	1.55	1.17	0.77	1.94	2.63	1.00	0.20	0.96	1.60	1.92	0.64					
1.0	OC1-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.41	0.39	0.35	0.30	0.20	0.12	0.41	0.55	0.90	0.25	0.27	0.45	0.54	0.23					
2.7	OC1-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.36	1.29	1.20	1.04	0.75	0.47	1.36	1.83	0.90	0.20	0.73	1.22	1.46	0.49					
0.5	OC1-5	S27.2	C	Woodland, Grass, Fair	77	59	92	0.25	0.23	0.21	0.18	0.12	0.06	0.25	0.35	1.00	0.25	0.15	0.25	0.30	0.13					
0.1	OC1-5	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.05	0.03	0.02	0.06	0.08	1.00	0.20	0.03	0.05	0.06	0.02					
0.5	OC1-6	S27.2	A	Chaparral, Broadleaf, Fair	40	23	60	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.04	1.00	0.40	0.15	0.25	0.30	0.20					
0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.27	0.26	0.23	0.19	0.12	0.06	0.27	0.39	1.00	0.25	0.18	0.30	0.36	0.15					
1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.28	1.27	1.26	1.25	1.21	1.14	1.28	1.23	0.10	0.40	0.05	0.08	0.09	0.06					
0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53	0.61	0.59	0.10	0.30	0.02	0.04	0.04	0.02					
1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.42	1.41	1.39	1.37	1.31	1.23	1.42	1.39	0.10	0.25	0.05	0.08	0.10	0.04					
1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85	0.99	0.97	0.10	0.20	0.03	0.06	0.07	0.02					
0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.85	0.40	0.03	0.04	0.05	0.03				
3.8	OC1-6	S27.2	C	Public Park	69	50	86	1.69	1.59	1.47	1.26	0.91	0.61	1.69	2.18	0.85	0.25	0.97	1.62	1.94	0.81					
2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.32	1.26	1.18	1.03	0.78	0.53	1.32	1.73	0.85	0.20	0.64	1.06	1.28	0.43					
0.1	OC1-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05	0.07	0.08	0.40	0.25	0.01	0.02	0.02	0.01					
1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.15	0.13	0.09	0.04	0.00	0.00	0.15	0.27	1.00	0.40	0.42	0.70	0.84	0.56					
2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.48	1.40	1.30	1.12	0.78	0.45	1.48	2.05	1.00	0.25	0.84	1.40	1.68	0.70					
0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.06	0.06	0.06	0.05	0.04	0.03	0.06	0.08	1.00	0.20	0.03	0.05	0.06	0.02					
0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.03	0.02	0.01	0.00	0.00	0.00	0.03	0.06	1.00	0.40	0.12	0.20	0.24	0.16					
0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.06	0.03	0.01	0.09	0.14	1.00	0.30	0.09	0.15	0.18	0.09					
3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	1.67	1.57	1.45	1.23	0.82	0.44	1.67	2.35	1.00	0.25	1.02	1.70	2.04	0.85					
0.6	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.39	0.29	0.19	0.48	0.66	1.00	0.20	0.24	0.40	0.48	0.16					
2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.23	0.23	0.22	0.22	0.21	0.20	0.23	0.26	0.90	0.40	0.65	1.08	1.30	0.86					
0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.18	0.16	0.14	0.11	0.07	0.06	0.18	0.24	0.90	0.30	0.19	0.32	0.38	0.19					
3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.45	1.36	1.24	1.04	0.70	0.42	1.45	1.94	0.90	0.25	0.95	1.58	1.89	0.79					
1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.55	0.53	0.49	0.42	0.30	0.19	0.55	0.75	0.90	0.20	0.30	0.50	0.59	0.20					
0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.03	0.02	0.00	0.06	0.09	1.00	0.30	0.06	0.10	0.12	0.06					
1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	0.93	0.88	0.81	0.68	0.46	0.24	0.93	1.32	1.00	0.25	0.57	0.95	1.14	0.48					
117.2	Low Loss Fraction (1-Y) =							0.451	0.475	0.507	0.564	0.670	0.779	0.451	0.267		F _m =	0.283	0.472	0.566	0.224					

<p style="text-align: center;">RANCHO MISSION VIEJO PA-3 (Local Hydrology) Unit Hydrograph Method Loss Rate Parameter Development - Watershed/Line O</p>																												
Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area										A _p	F _p	Maximum Loss Rate (F _m) x Area								
								Storm Event (Year)												Storm Event (Year)								
						AMC					P ₂₄ (Inches)					EV					HC							
						II	I	III	4.49	4.12	3.68	3.03	2.12	1.44	5.63	100	50			25	10	5	2	100	> 5	5	2	All
	0.8	O-1		C	Open Brush, Fair	77	59	92	0.39	0.37	0.34	0.29	0.19	0.10	0.67	1.00	1.00	0.25	0.24	0.40	0.48	0.20						
	2.9	O-2		C	Open Brush, Fair	77	59	92	1.42	1.34	1.23	1.05	0.70	0.37	2.44	1.00	1.00	0.25	0.87	1.45	1.74	0.73						
	14.8	O-3		C	Open Brush, Fair	77	59	92	7.26	6.85	6.30	5.33	3.59	1.91	12.43	1.00	1.00	0.25	4.44	7.40	8.88	3.70						
	0.2	O-3		C	Residential 2.5 acre lots	69	50	86	0.08	0.08	0.07	0.06	0.04	0.02	0.15	0.90	0.90	0.25	0.05	0.09	0.11	0.05						
	0.1	O-4		C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.04	0.04	0.03	0.02	0.01	0.08	1.00	1.00	0.25	0.03	0.05	0.06	0.03						
	11.7	O-4		C	Open Brush, Fair	77	59	92	5.74	5.41	4.98	4.22	2.84	1.51	9.83	1.00	1.00	0.25	3.51	5.85	7.02	2.93						
	1.9	O-4		C	Residential 2.5 acre lots	69	50	86	0.79	0.74	0.67	0.56	0.38	0.23	1.42	0.90	0.90	0.25	0.51	0.86	1.03	0.43						
	0.1	O-5		A	Woodland, Grass, Fair	44	26	64	0.01	0.00	0.00	0.00	0.00	0.00	0.04	1.00	1.00	0.40	0.03	0.05	0.06	0.04						
	0.3	O-5		B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.06	0.03	0.01	0.20	1.00	1.00	0.30	0.09	0.15	0.18	0.09						
	2.3	O-5		B	Residential 2.5 acre lots	56	36	76	0.58	0.53	0.47	0.37	0.24	0.20	1.34	0.90	0.90	0.30	0.62	1.04	1.24	0.62						
	0.6	O-5		B	Woodland, Grass, Fair	65	45	83	0.18	0.16	0.14	0.10	0.05	0.01	0.40	1.00	1.00	0.30	0.18	0.30	0.36	0.18						
	1	O-5		C	Chaparral, Broadleaf, Fair	75	57	91	0.45	0.43	0.39	0.32	0.21	0.10	0.82	1.00	1.00	0.25	0.30	0.50	0.60	0.25						
	8.2	O-5		C	Open Brush, Fair	77	59	92	4.02	3.79	3.49	2.95	1.99	1.06	6.89	1.00	1.00	0.25	2.46	4.10	4.92	2.05						
	6.2	O-5		C	Residential 2.5 acre lots	69	50	86	2.57	2.41	2.19	1.84	1.24	0.75	4.64	0.90	0.90	0.25	1.67	2.79	3.35	1.40						
	51.1				Low Loss Fraction (1-Y) =				0.537	0.565	0.601	0.664	0.775	0.877	0.191			F _m =	0.294	0.490	0.588	0.248						

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
Unit Hydrograph Method Parameter Development Summary
100-year High Confidence Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (Acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
B	210	231	18.60	0.248	213.7	0.110	0.162	1.000	0.000
B Day 2	210	231	18.60	0.248	213.7	0.110	0.280	1.000	0.000
C	320	331	20.99	0.280	1292.3	0.101	0.127	1.000	0.000
C Day 2	320	331	20.99	0.280	1292.3	0.101	0.229	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary - Free Draining
 100-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
C1	320	331	20.99	0.280	712.6	0.077	0.113	1.000	0.000
C1 -Day 2	320	331	20.99	0.280	712.6	0.077	0.206	1.000	0.000
C2	400	331	17.75	0.237	462.5	0.108	0.143	1.000	0.000
C2 - Day 2	400	331	17.75	0.237	462.5	0.108	0.256	1.000	0.000
C Offsite	390	331	26.39	0.352	117.2	0.224	0.148	1.000	0.000
C Offsite	390	331	26.39	0.352	117.2	0.224	0.267	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary
 100-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
B	210	231	19.26	0.257	213.7	0.128	0.323	1.000	0.000
C	320	331	21.87	0.292	1292.3	0.129	0.284	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary - Free Draining
 100-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
C1	320	331	21.87	0.292	712.6	0.100	0.239	1.000	0.000
C2	400	331	18.59	0.248	462.5	0.135	0.311	1.000	0.000
C Offsite	390	331	27.79	0.371	117.2	0.283	0.451	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary
 50-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
B	210	231	17.08	0.228	213.7	0.128	0.337	1.000	0.000
C	320	331	22.12	0.295	1292.3	0.129	0.299	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary - Free Draining
 50-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
C1	320	331	22.12	0.295	712.6	0.100	0.252	1.000	0.000
C2	400	331	18.80	0.251	462.5	0.135	0.326	1.000	0.000
C Offsite	390	331	28.09	0.375	117.2	0.283	0.475	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary
 25-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
B	210	231	19.82	0.264	213.7	0.128	0.356	1.000	0.000
C	320	331	22.51	0.300	1292.3	0.129	0.318	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary - Free Draining
 25-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
C1	320	331	22.51	0.300	712.6	0.100	0.268	1.000	0.000
C2	400	331	19.30	0.257	462.5	0.135	0.346	1.000	0.000
C Offsite	390	331	28.78	0.384	117.2	0.283	0.507	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary
 10-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
B	210	231	20.59	0.275	213.7	0.128	0.388	1.000	0.000
C	320	331	23.50	0.313	1292.3	0.129	0.351	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary - Free Draining
 10-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
C1	320	331	23.50	0.313	712.6	0.100	0.297	1.000	0.000
C2	400	331	20.17	0.269	462.5	0.135	0.381	1.000	0.000
C Offsite	390	331	30.22	0.403	117.2	0.283	0.564	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary
 5-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
B	210	231	19.59	0.261	213.7	0.213	0.443	1.000	0.000
C	320	331	25.35	0.338	1292.3	0.216	0.413	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary - Free Draining
 5-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
C1	320	331	25.35	0.338	712.6	0.167	0.352	1.000	0.000
C2	400	331	22.09	0.295	462.5	0.225	0.443	1.000	0.000
C Offsite	390	331	34.99	0.467	117.2	0.472	0.670	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary
 2-year Expected Value Storm Event

Watershed	Node 1	Node 2	T_c (minutes)	Lag (hours)	TDA (acres)	F_m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
B	210	231	21.51	0.287	213.7	0.256	0.496	1.000	0.000
C	390	331	27.71	0.369	1292.3	0.259	0.479	1.000	0.000

RANCHO MISSION VIEJO
PA-3 & PA-4 (Local Hydrology)
 Unit Hydrograph Method Parameter Development Summary - Free Draining
 2-year Expected Value Storm Event

Watershed	Node 1	Node 2	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
C1	320	331	27.71	0.369	712.6	0.201	0.412	1.000	0.000
C2	400	331	24.68	0.329	462.5	0.270	0.506	1.000	0.000
C Offsite	390	331	48.67	0.649	117.2	0.566	0.779	1.000	0.000