

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 11929 (Node 119c)

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	100	Storm Event (Year)												
						AMC			P ₂₄ (Inches)							Storm Event (Year)									
						II	I	III	AMC 1/AMCII					All											

	9.71		S1	A	Chaparral, Broadleaf, Fair	40	23	60	1.00	0.81	0.56	0.00	0.00	0.00	2.91	1.00	0.40	2.91	4.86	5.83	3.89
	73.91		S1	B	Chaparral, Broadleaf, Fair	63	43	81	28.95	26.77	23.74	3.19	0.24	0.00		1.00	0.30	22.17	36.95	44.34	
1029.81			S1	C	Chaparral, Broadleaf, Fair	75	57	91	589.99	562.79	523.59	181.93	86.00	17.09		1.00	0.25	308.94	514.91	617.89	
	758.05		S1	D	Chaparral, Broadleaf, Fair	81	64	95	507.56	490.34	465.11	207.39	123.61	49.46		1.00	0.20	227.41	379.02	454.83	
	52.00		S1	C	Fallow	91	80	98	43.63	42.95	41.93	27.59	21.57	14.67		1.00	0.25	15.60	26.00	31.20	
	2.73		S1	D	Fallow	94	85	99	2.43	2.41	2.37	1.75	1.46	1.11		1.00	0.20	0.82	1.36	1.64	
	54.84		S1	B	Woodland, Fair	60	40	79	19.14	17.53	15.31	1.36	0.00	0.00		1.00	0.30	16.45	27.42	32.90	
	58.35		S1	C	Woodland, Fair	73	55	89	31.60	30.01	27.72	8.69	3.68	0.45		1.00	0.25	17.51	29.18	35.01	
	1.95		S1	D	Woodland, Fair	79	62	93	1.24	1.20	1.13	0.46	0.26	0.09		1.00	0.20	0.59	0.98	1.17	
	48.35		S1	B	Woodland, Poor	66	46	84	21.05	19.64	17.65	3.25	0.62	0.00		1.00	0.30	14.50	24.17	29.01	
	44.42		S1	C	Woodland, Poor	77	59	92	26.86	25.73	24.10	9.16	4.73	1.28		1.00	0.25	13.32	22.21	26.65	
	95.06		S2	B	Chaparral, Broadleaf, Fair	63	43	81	37.23	34.43	30.53	4.11	0.31	0.00		1.00	0.30	28.52	47.53	57.04	
1437.77			S2	C	Chaparral, Broadleaf, Fair	75	57	91	823.72	785.74	731.01	254.01	120.07	23.86		1.00	0.25	431.33	718.88	862.66	
	107.72		S2	D	Chaparral, Broadleaf, Fair	81	64	95	72.12	69.68	66.09	29.47	17.56	7.03		1.00	0.20	32.32	53.86	64.63	
	15.50		S2	B	Woodland, Fair	60	40	79	5.41	4.95	4.33	0.38	0.00	0.00		1.00	0.30	4.65	7.75	9.30	
	94.17		S2	C	Woodland, Fair	73	55	89	51.00	48.43	44.74	14.03	5.94	0.72		1.00	0.25	28.25	47.08	56.50	
	35.70		S2	B	Woodland, Grass, Fair	65	45	83	15.02	13.97	12.50	2.06	0.31	0.00		1.00	0.30	10.71	17.85	21.42	
	55.19		S2	C	Woodland, Grass, Fair	77	59	92	33.38	31.98	29.95	11.38	5.88	1.59		1.00	0.25	16.56	27.60	33.12	
	5.90		S3	A	Chaparral, Broadleaf, Fair	40	23	60	0.61	0.49	0.34	0.00	0.00	0.00		1.00	0.40	1.77	2.95	3.54	
	13.63		S3	B	Chaparral, Broadleaf, Fair	63	43	81	5.34	4.94	4.38	0.59	0.05	0.00		1.00	0.30	4.09	6.81	8.18	
	754.34		S3	C	Chaparral, Broadleaf, Fair	75	57	91	432.17	412.25	383.53	133.27	63.00	12.52		1.00	0.25	226.30	377.17	452.60	
	737.55		S3	D	Chaparral, Broadleaf, Fair	81	64	95	493.84	477.09	452.53	201.78	120.27	48.12		1.00	0.20	221.27	368.78	442.53	
	322.55		S3	C	Chaparral, Narrowleaf, Fair	81	64	95	215.96	208.64	197.90	88.24	52.59	21.04		1.00	0.25	96.76	161.27	193.53	
	642.13		S3	D	Chaparral, Narrowleaf, Fair	86	72	97	483.51	471.67	454.08	246.72	170.23	92.98		1.00	0.20	192.64	321.07	385.28	
	4.47		S3	C	Commercial, Industrial	69	50	86	4.09	4.07	4.03	3.96	3.82	3.63		0.10	0.25	0.13	0.22	0.27	
	8.45		S3	C	Grass, Annual or Perennial, Fair	79	62	93	5.38	5.18	4.88	2.01	1.12	0.38		1.00	0.25	2.54	4.23	5.07	
	0.97		S3	D	Grass, Annual or Perennial, Fair	84	69	96	0.70	0.68	0.65	0.33	0.21	0.10		1.00	0.20	0.29	0.49	0.58	
	9.81		S3	D	Open Brush, Fair	83	67	96	6.89	6.69	6.38	3.09	1.96	0.90		1.00	0.20	2.94	4.91	5.89	
	4.08		S3	B	Public Park	56	36	76	1.61	1.51	1.37	1.15	0.82	0.59		0.85	0.30	1.04	1.74	2.08	
	47.90		S3	C	Public Park	69	50	86	26.47	25.28	23.59	20.73	15.81	10.95		0.85	0.25	12.21	20.36	24.43	
	0.38		S3	C	Residential 1 acre lots	69	50	86	0.22	0.21	0.20	0.17	0.14	0.10		0.80	0.25	0.09	0.15	0.18	
	0.21		S3	D	Woodland, Fair	79	62	93	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12	
	2.60		S3	A	Woodland, Grass, Fair	44	26	64	0.38	0.32	0.24	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56	
	60.94		S3	B	Woodland, Grass, Fair	65	45	83	25.64	23.85	21.34	3.52	0.52	0.00		1.00	0.30	18.28	30.47	36.56	
	155.04		S3	C	Woodland, Grass, Fair	77	59	92	93.75	89.82	84.13	31.97	16.53	4.48		1.00	0.25	46.51	77.52	93.02	
	90.19		S3	D	Woodland, Grass, Fair	82	66	95	61.88	59.90	56.99	26.50	16.32	7.04		1.00	0.20	27.06	45.10	54.12	
	41.60		S4	A	Chaparral, Broadleaf, Fair	40	23	60	4.30	3.45	2.40	0.00	0.00	0.00		1.00	0.40	12.48	20.80	24.96	
	47.53		S4	B	Chaparral, Broadleaf, Fair	63	43	81	18.62	17.22	15.27	2.05	0.16	0.00		1.00	0.30	14.26	23.77	28.52	
	998.31		S4	C	Chaparral, Broadleaf, Fair	75	57	91	571.95	545.58	507.58	176.37	83.37	16.57		1.00	0.25	299.49	499.16	598.99	
	181.26		S4	D	Chaparral, Broadleaf, Fair	81	64	95	121.36	117.25	111.21	49.59	29.56	11.83		1.00	0.20	54.38	90.63	108.75	
	71.49		S4	C	Chaparral, Narrowleaf, Fair	81	64	95	47.86	46.24	43.86	19.56	11.66	4.66		1.00	0.25	21.45	35.74	42.89	
	0.93		S4	D	Chaparral, Narrowleaf, Fair	86	72	97	0.70	0.68	0.66	0.36	0.25	0.13		1.00	0.20	0.28	0.46	0.56	
	25.40		S4	B	Fallow	86	72	97	19.13	18.66	17.96	9.76	6.73	3.68		1.00	0.30	7.62	12.70	15.24	
	60.60		S4	C	Fallow	91	80	98	50.84	50.06	48.87	32.16	25.13	17.09		1.00	0.25	18.18	30.30	36.36	
	0.09		S4	D	Fallow	94	85	99	0.08	0.08	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.05	
	11.02		S4	B	Woodland, Fair	60	40	79	3.85	3.52	3.08	0.27	0.00	0.00		1.00	0.30	3.31	5.51	6.61	
	24.63		S4	C	Woodland, Fair	73	55	89	13.34	12.66	11.70	3.67	1.55	0.19		1.00	0.25	7.39	12.31	14.78	
	0.76		S4	B	Woodland, Poor	66	46	84	0.33	0.31	0.28	0.05	0.01	0.00		1.00	0.30	0.23	0.38	0.45	
	8.00		S4	C	Woodland, Poor	77	59	92	4.84	4.63	4.34	1.65	0.85	0.23		1.00	0.25	2.40	4.00	4.80	
	3.22		S5	B	Chaparral, Broadleaf, Fair	63	43	81	1.26	1.17	1.04	0.14	0.01	0.00		1.00	0.30	0.97	1.61	1.93	
	43.68		S5	C	Chaparral, Broadleaf, Fair	75	57	91	25.03	23.87	22.21	7.72	3.65	0.72		1.00	0.25	13.10	21.84	26.21	
	204.58		S5	D	Chaparral, Broadleaf, Fair	81	64	95	136.98	132.33	125.52	55.97	33.36	13.35		1.00	0.20	61.37	102.29	122.75	
	9.30		S5	B	Chaparral, Narrowleaf, Fair	72	53	89	4.89	4.63	4.27	1.26	0.50	0.04		1.00	0.30	2.79	4.65	5.58	
	283.71		S5	C	Chaparral, Narrowleaf, Fair	81	64	95	189.96	183.52	174.07	77.62	46.26	18.51		1.00	0.25	85.11	141.85	170.23	
	334.67		S5	D	Chaparral, Narrowleaf, Fair	86	72	97	251.97	245.83	236.66	128.59	88.72	48.46		1.00	0.20	100.40	167.33	200.80	
	3.04		S5	C	Residential 1 acre lots	69	50	86	1.76	1.68	1.58	1.41	1.11	0.81		0.80	0.25	0.73	1.22	1.46	
	10.47		S5	B	Woodland, Grass, Fair	65	45	83	4.41	4.10	3.67	0.61	0.09	0.00		1.00	0.30	3.14	5.24	6.28	
	4.29		S5	C	Woodland, Grass, Fair	77	59	92	2.60	2.49	2.33	0.89	0.46	0.12		1.00	0.25	1.29	2.15	2.58	
	21.26		S5	D	Woodland, Grass, Fair	82	66	95	14.59	14.12	13.43	6.25	3.85	1.66		1.00	0.20	6.38	10.63	12.76	
	20.32		S6	A	Chaparral, Broadleaf, Fair	40	23	60	2.10	1.69	1.17	0.00	0.00	0.00		1.00	0.40	6.10	10.16	12.19	
	479.80		S6	C	Chaparral, Broadleaf, Fair	75	57	91	274.89	262.21	243.95	84.77	40.07	7.96		1.00	0.25	143.94	239.90	287.88	
	439.63		S6	D	Chaparral, Broadleaf, Fair	81	64	95	294.36	284.37	269.74	120.27	71.69	28.68		1.00	0.20	131.89	219.81	263.78	
	0.04		S6	A	Chaparral, Narrowleaf, Fair	55	35	75	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.01	0.02	0.02	
	66.38		S6	C	Chaparral, Narrowleaf, Fair	81	64	95	44.44	42.94	40.73	18.16	10.82	4.33		1.00	0.25	19.91	33.19	39.83	
	299.75		S6	D	Chaparral, Narrowleaf, Fair	86	72	97	225.70	220.18	211.97	115.17	79.46	43.40		1.00	0.20	89.92	149.87	179.85	
	2.57		S6	A	Woodland, Grass, Fair	44	26	64	0.37	0.31	0.24	0.00	0.00	0.00		1.00	0.40	0.77	1.28	1.54	
	3.01		S6	C	Woodland, Grass, Fair	77	59	92	1.82	1.74	1.63	0.62	0.32	0.09		1.00	0.25	0.90	1.50	1.80	
	0.22		S6	D	Woodland, Grass, Fair	82	66	95	0.15	0.15	0.14	0.07	0.04	0.02		1.00	0.20	0.07	0.11	0.13	
	0.36		S7	A	Chaparral, Broadleaf, Fair	40	23	60	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.11	0		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 11929 (Node 119c)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 11929 (Node 119c)

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	100									
						AMC		P ₂₄ (Inches)							5.63								
								II	I	III	AMC 1/AMCII												
	22.90		S11	C	Chaparral, Narrowleaf, Fair	81	64	95	15.33	14.81	14.05	6.27	3.73	1.49		1.00	0.25	6.87	11.45	13.74			
	683.24		S11	D	Chaparral, Narrowleaf, Fair	86	72	97	514.46	501.87	483.15	262.52	181.12	98.93		1.00	0.20	204.97	341.62	409.94			
	9.74		S11	B	Grass, Annual or Perennial, Fair	69	50	86	4.68	4.40	4.00	0.97	0.29	0.00		1.00	0.30	2.92	4.87	5.85			
	13.55		S11	C	Grass, Annual or Perennial, Fair	79	62	93	8.63	8.31	7.83	3.22	1.79	0.60		1.00	0.25	4.07	6.78	8.13			
	0.86		S11	D	Grass, Annual or Perennial, Fair	84	69	96	0.62	0.60	0.58	0.29	0.19	0.09		1.00	0.20	0.26	0.43	0.52			
	9.65		S11	C	Open Brush, Fair	77	59	92	5.83	5.59	5.23	1.99	1.03	0.28		1.00	0.25	2.89	4.82	5.79			
	112.49		S11	D	Open Brush, Fair	83	67	96	79.04	76.66	73.16	35.40	22.47	10.37		1.00	0.20	33.75	56.25	67.50			
	1.41		S11	B	Public Park	56	36	76	0.56	0.52	0.47	0.40	0.28	0.20		0.85	0.30	0.36	0.60	0.72			
	5.39		S11	C	Public Park	69	50	86	2.98	2.84	2.65	2.33	1.78	1.23		0.85	0.25	1.37	2.29	2.75			
	1.78		S11	D	Public Park	75	57	91	1.13	1.08	1.03	0.92	0.74	0.53		0.85	0.20	0.45	0.76	0.91			
	0.27		S11	C	Woodland, Fair	73	55	89	0.15	0.14	0.13	0.04	0.02	0.00		1.00	0.25	0.08	0.14	0.16			
	45.10		S11	D	Woodland, Fair	79	62	93	28.73	27.64	26.05	10.72	5.97	2.01		1.00	0.20	13.53	22.55	27.06			
	13.34		S11	B	Woodland, Grass, Fair	65	45	83	5.61	5.22	4.67	0.77	0.11	0.00		1.00	0.30	4.00	6.67	8.00			
	61.25		S11	C	Woodland, Grass, Fair	77	59	92	37.04	35.49	33.24	12.63	6.53	1.77		1.00	0.25	18.38	30.63	36.75			
	24.56		S11	D	Woodland, Grass, Fair	82	66	95	16.85	16.31	15.52	7.22	4.44	1.92		1.00	0.20	7.37	12.28	14.74			
	17.17		S12	A	Chaparral, Broadleaf, Fair	40	23	60	1.77	1.42	0.99	0.00	0.00	0.00		1.00	0.40	5.15	8.58	10.30			
	306.06		S12	C	Chaparral, Broadleaf, Fair	75	57	91	175.35	167.26	155.61	54.07	25.56	5.08		1.00	0.25	91.82	153.03	183.64			
	487.33		S12	D	Chaparral, Broadleaf, Fair	81	64	95	326.30	315.23	299.01	133.33	79.47	31.79		1.00	0.20	146.20	243.67	292.40			
	12.40		S12	A	Chaparral, Narrowleaf, Fair	55	35	75	3.48	3.13	2.65	0.05	0.00	0.00		1.00	0.40	3.72	6.20	7.44			
	68.72		S12	C	Chaparral, Narrowleaf, Fair	81	64	95	46.01	44.45	42.16	18.80	11.21	4.48		1.00	0.25	20.62	34.36	41.23			
	724.53		S12	D	Chaparral, Narrowleaf, Fair	86	72	97	545.55	532.20	512.35	278.38	192.07	104.91		1.00	0.20	217.36	362.26	434.72			
	7.07		S12	A	Open Brush, Fair	46	28	66	1.19	1.02	0.79	0.00	0.00	0.00		1.00	0.40	2.12	3.54	4.24			
	0.89		S12	C	Open Brush, Fair	77	59	92	0.54	0.52	0.48	0.18	0.09	0.03		1.00	0.25	0.27	0.45	0.53			
	407.66		S12	D	Open Brush, Fair	83	67	96	286.43	277.82	265.12	128.29	81.43	37.58		1.00	0.20	122.30	203.83	244.60			
	0.26		S12	C	Public Park	69	50	86	0.14	0.14	0.13	0.11	0.08	0.06		0.85	0.25	0.07	0.11	0.13			
	0.00		S12	D	Public Park	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.85	0.20	0.00	0.00	0.00			
	6.85		S12	A	Woodland, Grass, Fair	44	26	64	1.00	0.84	0.63	0.00	0.00	0.00		1.00	0.40	2.06	3.43	4.11			
	22.97		S12	B	Woodland, Grass, Fair	65	45	83	9.66	8.99	8.04	1.33	0.20	0.00		1.00	0.30	6.89	11.48	13.78			
	248.53		S12	C	Woodland, Grass, Fair	77	59	92	150.29	143.99	134.86	51.25	26.49	7.18		1.00	0.25	74.56	124.27	149.12			
	60.03		S12	D	Woodland, Grass, Fair	82	66	95	41.18	39.87	37.93	17.64	10.86	4.69		1.00	0.20	18.01	30.02	36.02			
	15.97		S13	A	Chaparral, Broadleaf, Fair	40	23	60	1.65	1.32	0.92	0.00	0.00	0.00		1.00	0.40	4.79	7.98	9.58			
	7.05		S13	B	Chaparral, Broadleaf, Fair	63	43	81	2.76	2.55	2.26	0.30	0.02	0.00		1.00	0.30	2.11	3.52	4.23			
	645.40		S13	C	Chaparral, Broadleaf, Fair	75	57	91	369.76	352.71	328.14	114.02	53.90	10.71		1.00	0.25	193.62	322.70	387.24			
	120.49		S13	D	Chaparral, Broadleaf, Fair	81	64	95	80.67	77.94	73.93	32.96	19.65	7.86		1.00	0.20	36.15	60.24	72.29			
	25.50		S13	A	Chaparral, Narrowleaf, Fair	55	35	75	7.16	6.44	5.45	0.11	0.00	0.00		1.00	0.40	7.65	12.75	15.30			
	11.66		S13	B	Chaparral, Narrowleaf, Fair	72	53	89	6.13	5.81	5.35	1.58	0.63	0.05		1.00	0.30	3.50	5.83	7.00			
	497.07		S13	C	Chaparral, Narrowleaf, Fair	81	64	95	332.82	321.53	304.98	135.99	81.05	32.43		1.00	0.25	149.12	248.53	298.24			
	451.84		S13	D	Chaparral, Narrowleaf, Fair	86	72	97	340.22	331.90	319.52	173.61	119.78	65.43		1.00	0.20	135.55	225.92	271.11			
	4.19		S13	A	Open Brush, Fair	46	28	66	0.71	0.60	0.47	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52			
	1.00		S13	B	Open Brush, Fair	66	46	84	0.43	0.40	0.36	0.07	0.01	0.00		1.00	0.30	0.30	0.50	0.60			
	104.58		S13	C	Open Brush, Fair	77	59	92	63.24	60.59	56.75	21.57	11.15	3.02		1.00	0.25	31.37	52.29	62.75			
	161.75		S13	D	Open Brush, Fair	83	67	96	113.65	110.23	105.19	50.90	32.31	14.91		1.00	0.20	48.52	80.87	97.05			
	0.22		S13	A	Open Brush, Good	41	24	61	0.03	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13			
	0.06		S13	B	Open Brush, Good	63	43	81	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04			
	51.44		S13	C	Open Brush, Good	75	57	91	29.47	28.11	26.15	9.09	4.30	0.85		1.00	0.25	15.43	25.72	30.86			
	0.09		S13	D	Open Brush, Good	81	64	95	0.06	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	5.18		S13	A	Public Park	32	17	52	0.90	0.84	0.78	0.73	0.72	0.69		0.85	0.40	1.32	2.20	2.64			
	2.52		S13	B	Public Park	56	36	76	0.99	0.93	0.84	0.71	0.51	0.36		0.85	0.30	0.64	1.07	1.28			
	0.28		S13	D	Public Park	75	57	91	0.17	0.17	0.16	0.14	0.11	0.08		0.85	0.20	0.07	0.12	0.14			
	24.00		S13	A	Residential 1 acre lots	32	17	52	5.28	5.03	4.76	4.54	4.43	4.27		0.80	0.40	5.76	9.60	11.52			
	3.86		S13	B	Residential 1 acre lots	56	36	76	1.65	1.56	1.44	1.24	0.94	0.72		0.80	0.30	0.93	1.54	1.85			
	9.01		S13	C	Residential 1 acre lots	69	50	86	5.20	4.98	4.68	4.17	3.29	2.41		0.80	0.25	2.16	3.60	4.32			
	36.94		S13	A	Woodland, Grass, Fair	44	26	64	5.39	4.53	3.42	0.00	0.00	0.00		1.00	0.40	11.08	18.47	22.17			
	12.05		S13	B	Woodland, Grass, Fair	65	45	83	5.07	4.71	4.22	0.70	0.10	0.00		1.00	0.30	3.61	6.02	7.23			
	24.51		S13	C	Woodland, Grass, Fair	77	59	92	14.82	14.20	13.30	5.05	2.61	0.71		1.00	0.25	7.35	12.25	14.70			
	7.65		S13	D	Woodland, Grass, Fair	82	66	95	5.25	5.08	4.83	2.25	1.38	0.60		1.00	0.20	2.29	3.82	4.59			
	21.26		S14	A	Chaparral, Broadleaf, Fair	40	23	60	2.20	1.76	1.23	0.00	0.00	0.00		1.00	0.40	6.38	10.63	12.75			
	367.70		S14	C	Chaparral, Broadleaf, Fair	75	57	91	210.66	200.95	186.95	64.96	30.71	6.10		1.00	0.25	110.31	183.85	220.62			
	287.86		S14	D	Chaparral, Broadleaf, Fair	8																	

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PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 11929 (Node 119c)

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	100										
						AMC			P ₂₄ (Inches)												Storm Event (Year)				
						II	I	III																	
	2.48		S14	B	Public Park	56	36	76	0.98	0.92	0.83	0.70	0.50	0.36		0.85	0.30	0.63	1.05	1.26					
	0.73		S14	D	Public Park	75	57	91	0.46	0.44	0.42	0.38	0.30	0.22		0.85	0.20	0.19	0.31	0.37					
	50.10		S14	A	Woodland, Grass, Fair	44	26	64	7.31	6.14	4.63	0.00	0.00	0.00	1.00	0.40	15.03	25.05	30.06						
	0.85		S14	B	Woodland, Grass, Fair	65	45	83	0.36	0.33	0.30	0.05	0.01	0.00	1.00	0.30	0.25	0.42	0.51						
	13.64		S14	C	Woodland, Grass, Fair	77	59	92	8.25	7.90	7.40	2.81	1.45	0.39	1.00	0.25	4.09	6.82	8.18						
	12.11		S14	D	Woodland, Grass, Fair	82	66	95	8.31	8.04	7.65	3.56	2.19	0.95	1.00	0.20	3.63	6.06	7.27						
	35.60		S15	A	Chaparral, Broadleaf, Fair	40	23	60	3.68	2.95	2.05	0.00	0.00	0.00	1.00	0.40	10.68	17.80	21.36						
	20.35		S15	B	Chaparral, Broadleaf, Fair	63	43	81	7.97	7.37	6.53	0.88	0.07	0.00	1.00	0.30	6.10	10.17	12.21						
	209.04		S15	C	Chaparral, Broadleaf, Fair	75	57	91	119.76	114.24	106.28	36.93	17.46	3.47	1.00	0.25	62.71	104.52	125.42						
	53.93		S15	D	Chaparral, Broadleaf, Fair	81	64	95	36.11	34.88	33.09	14.75	8.79	3.52	1.00	0.20	16.18	26.96	32.36						
	0.29		S15	A	Chaparral, Narrowleaf, Fair	55	35	75	0.08	0.07	0.06	0.00	0.00	0.00	1.00	0.40	0.09	0.14	0.17						
	1.07		S15	B	Chaparral, Narrowleaf, Fair	72	53	89	0.56	0.53	0.49	0.15	0.06	0.00	1.00	0.30	0.32	0.54	0.64						
	52.44		S15	C	Chaparral, Narrowleaf, Fair	81	64	95	35.11	33.92	32.17	14.35	8.55	3.42	1.00	0.25	15.73	26.22	31.46						
	102.66		S15	D	Chaparral, Narrowleaf, Fair	86	72	97	77.30	75.41	72.60	39.44	27.21	14.87	1.00	0.20	30.80	51.33	61.60						
	3.28		S15	A	Commercial, Industrial	32	17	52	2.85	2.84	2.82	2.79	2.72	2.62	0.10	0.40	0.10	0.16	0.20						
	11.67		S15	C	Commercial, Industrial	69	50	86	10.68	10.61	10.51	10.33	9.96	9.46	0.10	0.25	0.35	0.58	0.70						
	12.74		S15	D	Commercial, Industrial	75	57	91	11.78	11.70	11.60	11.40	10.99	10.44	0.10	0.20	0.38	0.64	0.76						
	2.49		S15	A	Grass, Annual or Perennial, Fair	50	31	70	0.54	0.47	0.38	0.00	0.00	0.00	1.00	0.40	0.75	1.25	1.49						
	5.03		S15	B	Grass, Annual or Perennial, Fair	69	50	86	2.42	2.27	2.07	0.50	0.15	0.00	1.00	0.30	1.51	2.52	3.02						
	30.99		S15	C	Grass, Annual or Perennial, Fair	79	62	93	19.74	18.99	17.90	7.36	4.10	1.38	1.00	0.25	9.30	15.50	18.59						
	91.48		S15	D	Grass, Annual or Perennial, Fair	84	69	96	65.80	63.95	61.20	30.75	20.08	9.83	1.00	0.20	27.44	45.74	54.89						
	174.55		S15	A	Open Brush, Fair	46	28	66	29.44	25.13	19.54	0.00	0.00	0.00	1.00	0.40	52.37	87.28	104.73						
	23.72		S15	B	Open Brush, Fair	66	46	84	10.33	9.63	8.66	1.60	0.30	0.00	1.00	0.30	7.11	11.86	14.23						
	742.96		S15	C	Open Brush, Fair	77	59	92	449.27	430.44	403.14	153.22	79.19	21.46	1.00	0.25	222.89	371.48	445.77						
	293.38		S15	D	Open Brush, Fair	83	67	96	206.13	199.93	190.79	92.32	58.60	27.04	1.00	0.20	88.01	146.69	176.03						
	4.49		S15	A	Residential 5-7 dwellings/acre	32	17	52	2.24	2.21	2.17	2.12	2.07	2.00	0.50	0.40	0.67	1.12	1.35						
	1.27		S15	C	Residential 5-7 dwellings/acre	69	50	86	0.91	0.89	0.86	0.81	0.73	0.63	0.50	0.25	0.19	0.32	0.38						
	0.11		S15	D	Residential 5-7 dwellings/acre	75	57	91	0.09	0.09	0.08	0.08	0.07	0.06	0.50	0.20	0.02	0.03	0.03						
	285.97		S15	A	Woodland, Grass, Fair	44	26	64	41.73	35.03	26.44	0.00	0.00	0.00	1.00	0.40	85.79	142.99	171.58						
	28.71		S15	B	Woodland, Grass, Fair	65	45	83	12.08	11.24	10.06	1.66	0.25	0.00	1.00	0.30	8.61	14.36	17.23						
	33.62		S15	C	Woodland, Grass, Fair	77	59	92	20.33	19.48	18.24	6.93	3.58	0.97	1.00	0.25	10.09	16.81	20.17						
	89.19		S15	D	Woodland, Grass, Fair	82	66	95	61.19	59.23	56.36	26.21	16.14	6.97	1.00	0.20	26.76	44.60	53.52						
	21.74		S16	D	Barren	93	83	99	19.00	18.77	18.43	13.09	10.73	7.87	1.00	0.20	6.52	10.87	13.04						
	10.52		S16	A	Chaparral, Broadleaf, Fair	40	23	60	1.09	0.87	0.61	0.00	0.00	0.00	1.00	0.40	3.16	5.26	6.31						
	914.67		S16	C	Chaparral, Broadleaf, Fair	75	57	91	524.03	499.87	465.05	161.59	76.39	15.18	1.00	0.25	274.40	457.34	548.80						
	860.30		S16	D	Chaparral, Broadleaf, Fair	81	64	95	576.02	556.48	527.84	235.36	140.28	56.13	1.00	0.20	258.09	430.15	516.18						
	3.59		S16	A	Chaparral, Narrowleaf, Fair	55	35	75	1.01	0.91	0.77	0.02	0.00	0.00	1.00	0.40	1.08	1.79	2.15						
	147.16		S16	C	Chaparral, Narrowleaf, Fair	81	64	95	98.53	95.19	90.29	40.26	24.00	9.60	1.00	0.25	44.15	73.58	88.30						
	541.02		S16	D	Chaparral, Narrowleaf, Fair	86	72	97	407.37	397.40	382.58	207.87	143.42	78.34	1.00	0.20	162.31	270.51	324.61						
	1.56		S16	A	Open Brush, Fair	46	28	66	0.26	0.23	0.18	0.00	0.00	0.00	1.00	0.40	0.47	0.78	0.94						
	21.05		S16	C	Open Brush, Fair	77	59	92	12.73	12.20	11.42	4.34	2.24	0.61	1.00	0.25	6.32	10.53	12.63						
	492.25		S16	D	Open Brush, Fair	83	67	96	345.86	335.46	320.13	154.90	98.32	45.37	1.00	0.20	147.68	246.13	295.35						
	112.03		S16	C	Residential 2.5 acre lots	69	50	86	59.21	56.28	52.14	45.11	33.06	21.26	0.90	0.25	30.25	50.41	60.50						
	3.80		S16	A	Woodland, Grass, Fair	44	26	64	0.55	0.46	0.35	0.00	0.00	0.00	1.00	0.40	1.14	1.90	2.28						
	63.48		S16	C	Woodland, Grass, Fair	77	59	92	38.38	36.77	34.44	13.09	6.77	1.83	1.00	0.25	19.04	31.74	38.09						
	10.66		S16	D	Woodland, Grass, Fair	82	66	95	7.31	7.08	6.74	3.13	1.93	0.83	1.00	0.20	3.20	5.33	6.40						
	0.53		S17	A	Barren	78	61	93	0.33	0.32	0.30	0.12	0.06	0.02	1.00	0.40	0.16	0.26	0.32						
	21.11		S17	C	Barren	91	80	98	17.71	17.43	17.02	11.20	8.75	5.95	1.00	0.25	6.33	10.55	12.66						
	20.15		S17	D	Barren	93	83	99	17.61	17.40	17.08	12.13	9.94	7.30	1.00	0.20	6.04	10.07	12.09						
	72.38		S17	A	Chaparral, Broadleaf, Fair	40	23	60	7.48	6.01	4.18	0.00	0.00	0.00	1.00	0.40	21.71	36.19	43.43						
	209.48		S17	C	Chaparral, Broadleaf, Fair	75	57	91	120.01	114.48	106.51	37.01	17.49	3.48	1.00	0.25	62.84	104.74	125.69						
	13.50		S17	D	Chaparral, Broadleaf, Fair	81	64	95	9.04	8.74	8.29	3.69	2.20	0.88	1.00	0.20	4.05	6.75	8.10						
	9.54		S17	A	Chaparral, Narrowleaf, Fair	55	35	75	2.68	2.41	2.04	0.04	0.00	0.00	1.00	0.40	2.86	4.77	5.72						
	1.42		S17	B	Chaparral, Narrowleaf, Fair	72	53	89	0.75	0.71	0.65	0.19	0.08	0.01	1.00	0.30	0.43	0.71	0.85						
	11.72		S17	C	Chaparral, Narrowleaf, Fair	81	64	95	7.85	7.58	7.19	3.21	1.91	0.76	1.00	0.25	3.52	5.86	7.03						
	1.51		S17	D	Chaparral, Narrowleaf, Fair	86	72	97	1.14	1.11	1.07	0.58	0.40	0.22	1.00	0.20	0.45	0.76	0.91						
	0.07		S17	A	Commercial, Industrial	32	17	52	0.06	0.06	0.06	0.06	0.06	0.05	0.10	0.40	0.00	0.00	0.00						
	7.31		S17	C	Commercial, Industrial	69	50	86	6.69	6.65	6.58	6.47	6.24	5.93	0.10	0.25	0.22	0.37	0.44						
	6.95		S17	D	Commercial, Industrial	75	57	91	6.43	6.39	6.33	6.22	6.00	5.70	0.10	0.20	0.21	0.35	0.42						
	0.08		S17	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00	1.00	0.40	0.02	0.04	0.05						
	0.41		S17	B	Grass, Annual or Perennial, Fair	69	50	86	0.19	0.18	0.17	0.04	0.01	0.00	1.00	0.30	0.12	0.20	0.24						
	0.48		S17	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.30	0.28	0.11	0.06	0.02	1.00	0.25	0.14	0.24	0.29						
	29.46		S17	D	Grass, Annual or Perennial, Fair	84	69	96	21.19	20.59	19.71	9.90	6.47	3.17	1.00	0.20	8.84	14.73	17.68						
	139.45		S17	A	Open Brush, Fair	46	28	66	23.52																

RANCHO MISSION VIEJO																						
PA-3&4 (Ultimate Conditions)																						
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 11929 (Node 119c)																						
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							
									EV													
									100	50	25	10	5	2								
						AMC			P ₂₄ (Inches)						Storm Event (Year)							
						II	I	III	AMC 1/AMCII						5.63			> 5				5
	0.33		S17	D	Woodland, Grass, Fair	82	66	95	0.23	0.22	0.21	0.10	0.06	0.03		1.00	0.20	0.10	0.17	0.20		
	6.56		S18	C	Chaparral, Broadleaf, Fair	75	57	91	3.76	3.58	3.33	1.16	0.55	0.11		1.00	0.25	1.97	3.28	3.93		
	0.00		S18	A	Chaparral, Narrowleaf, Fair	55	35	75	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00		
	2.82		S18	B	Chaparral, Narrowleaf, Fair	72	53	89	1.48	1.41	1.29	0.38	0.15	0.01		1.00	0.30	0.85	1.41	1.69		
	0.87		S18	C	Chaparral, Narrowleaf, Fair	81	64	95	0.59	0.57	0.54	0.24	0.14	0.06		1.00	0.25	0.26	0.44	0.52		
	19.41		S18	D	Chaparral, Narrowleaf, Fair	86	72	97	14.62	14.26	13.73	7.46	5.15	2.81		1.00	0.20	5.82	9.71	11.65		
	20.11		S18	A	Grass, Annual or Perennial, Fair	50	31	70	4.36	3.82	3.11	0.00	0.00	0.00		1.00	0.40	6.03	10.06	12.07		
	5.15		S18	B	Grass, Annual or Perennial, Fair	69	50	86	2.47	2.33	2.12	0.51	0.16	0.00		1.00	0.30	1.54	2.57	3.09		
	10.11		S18	C	Grass, Annual or Perennial, Fair	79	62	93	6.44	6.19	5.84	2.40	1.34	0.45		1.00	0.25	3.03	5.05	6.06		
	109.43		S18	D	Grass, Annual or Perennial, Fair	84	69	96	78.71	76.49	73.21	36.78	24.02	11.76		1.00	0.20	32.83	54.71	65.66		
	117.51		S18	A	Open Brush, Fair	46	28	66	19.82	16.92	13.15	0.00	0.00	0.00		1.00	0.40	35.25	58.75	70.50		
	59.26		S18	B	Open Brush, Fair	66	46	84	25.80	24.07	21.64	3.99	0.76	0.00		1.00	0.30	17.78	29.63	35.56		
	411.61		S18	C	Open Brush, Fair	77	59	92	248.90	238.47	223.35	84.89	43.88	11.89		1.00	0.25	123.48	205.81	246.97		
	146.66		S18	D	Open Brush, Fair	83	67	96	103.05	99.95	95.38	46.15	29.29	13.52		1.00	0.20	44.00	73.33	88.00		
	0.76		S18	A	Residential 5-7 dwellings/acre	32	17	52	0.38	0.37	0.36	0.36	0.35	0.34		0.50	0.40	0.11	0.19	0.23		
	48.45		S18	A	Woodland, Grass, Fair	44	26	64	7.07	5.93	4.48	0.00	0.00	0.00		1.00	0.40	14.54	24.23	29.07		
	14.00		S18	B	Woodland, Grass, Fair	65	45	83	5.89	5.48	4.90	0.81	0.12	0.00		1.00	0.30	4.20	7.00	8.40		
	17.16		S18	C	Woodland, Grass, Fair	77	59	92	10.38	9.94	9.31	3.54	1.83	0.50		1.00	0.25	5.15	8.58	10.29		
	37.74		S18	D	Woodland, Grass, Fair	82	66	95	25.89	25.06	23.84	11.09	6.83	2.95		1.00	0.20	11.32	18.87	22.64		
11927	4.40		s19	A	Residential 5-7 dwellings/acre	32	17	52	2.19	2.16	2.12	2.08	2.03	1.96		0.50	0.40	0.66	1.10	1.32		
11927	23.20		s19	A	Grass, Annual or Perennial, Fair	50	31	70	5.03	4.41	3.58	0.00	0.00	0.00		1.00	0.40	6.96	11.60	13.92		
11927	47.60		s19	A	Chaparral, Broadleaf, Fair	40	23	60	4.92	3.95	2.75	0.00	0.00	0.00		1.00	0.40	14.28	23.80	28.56		
11927	47.90		s19	A	Woodland, Grass, Fair	44	26	64	6.99	5.87	4.43	0.00	0.00	0.00		1.00	0.40	14.37	23.95	28.74		
11927	170.20		s19	A	Open Brush, Fair	46	28	66	28.71	24.51	19.05	0.00	0.00	0.00		1.00	0.40	51.06	85.10	102.12		
11927	4.20		s19	B	Grass, Annual or Perennial, Fair	69	50	86	2.02	1.90	1.73	0.42	0.13	0.00		1.00	0.30	1.26	2.10	2.52		
11927	6.70		s19	B	Chaparral, Broadleaf, Fair	63	43	81	2.62	2.43	2.15	0.29	0.02	0.00		1.00	0.30	2.01	3.35	4.02		
11927	13.90		s19	B	Open Brush, Fair	66	46	84	6.05	5.65	5.07	0.94	0.18	0.00		1.00	0.30	4.17	6.95	8.34		
11927	15.80		s19	B	Woodland, Grass, Fair	65	45	83	6.65	6.18	5.53	0.91	0.14	0.00		1.00	0.30	4.74	7.90	9.48		
11927	0.50		s19	C	Barren	91	80	98	0.42	0.41	0.40	0.27	0.21	0.14		1.00	0.25	0.15	0.25	0.30		
11927	53.30		s19	C	Chaparral, Narrowleaf, Fair	81	64	95	35.69	34.48	32.70	14.58	8.69	3.48		1.00	0.25	15.99	26.65	31.98		
11927	77.70		s19	C	Residential 2.5 acre lots	69	50	86	41.07	39.04	36.16	31.29	22.93	14.75		0.90	0.25	20.98	34.97	41.96		
11927	87.90		s19	C	Grass, Annual or Perennial, Fair	79	62	93	55.99	53.87	50.78	20.88	11.63	3.91		1.00	0.25	26.37	43.95	52.74		
11927	174.30		s19	C	Woodland, Grass, Fair	77	59	92	105.40	100.98	94.58	35.95	18.58	5.03		1.00	0.25	52.29	87.15	104.58		
11927	636.10		s19	C	Chaparral, Broadleaf, Fair	75	57	91	364.43	347.63	323.41	112.38	53.12	10.56		1.00	0.25	190.83	318.05	381.66		
11927	1061.10		s19	C	Open Brush, Fair	77	59	92	641.65	614.75	575.77	218.83	113.11	30.64		1.00	0.25	318.33	530.55	636.66		
11927	0.10		s19	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.06		
11927	10.00		s19	D	Woodland, Grass, Fair	82	66	95	6.86	6.64	6.32	2.94	1.81	0.78		1.00	0.20	3.00	5.00	6.00		
11927	68.80		s19	D	Grass, Annual or Perennial, Fair	84	69	96	49.49	48.09	46.03	23.13	15.10	7.40		1.00	0.20	20.64	34.40	41.28		
11927	143.40		s19	D	Chaparral, Narrowleaf, Fair	86	72	97	107.98	105.33	101.41	55.10	38.01	20.76		1.00	0.20	43.02	71.70	86.04		
11927	295.10		s19	D	Open Brush, Fair	83	67	96	207.34	201.11	191.91	92.86	58.94	27.20		1.00	0.20	88.53	147.55	177.06		
11927	399.80		s19	D	Chaparral, Broadleaf, Fair	81	64	95	267.69	258.61	245.30	109.38	65.19	26.08		1.00	0.20	119.94	199.90	239.88		
	3.13		S20	A	Chaparral, Broadleaf, Fair	40	23	60	0.32	0.26	0.18	0.00	0.00	0.00		1.00	0.40	0.94	1.56	1.88		
	156.82		S20	C	Chaparral, Broadleaf, Fair	75	57	91	89.84	85.70	79.73	27.70	13.10	2.60		1.00	0.25	47.05	78.41	94.09		
	368.60		S20	D	Chaparral, Broadleaf, Fair	81	64	95	246.80	238.43	226.16	100.84	60.10	24.05		1.00	0.20	110.58	184.30	221.16		
	0.22		S20	A	Chaparral, Narrowleaf, Fair	55	35	75	0.06	0.06	0.05	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13		
	92.39		S20	C	Chaparral, Narrowleaf, Fair	81	64	95	61.86	59.76	56.68	25.28	15.06	6.03		1.00	0.25	27.72	46.19	55.43		
	852.18		S20	D	Chaparral, Narrowleaf, Fair	86	72	97	641.67	625.97	602.62	327.43	225.91	123.40		1.00	0.20	255.65	426.09	511.31		
	0.66		S20	A	Open Brush, Fair	46	28	66	0.11	0.09	0.07	0.00	0.00	0.00		1.00	0.40	0.20	0.33	0.40		
	17.20		S20	C	Open Brush, Fair	77	59	92	10.40	9.97	9.34	3.55	1.83	0.50		1.00	0.25	5.16	8.60	10.32		
	269.04		S20	D	Open Brush, Fair	83	67	96	189.04	183.35	174.97	84.66	53.74	24.80		1.00	0.20	80.71	134.52	161.43		
	10.84		S20	C	Woodland, Fair	73	55	89	5.87	5.57	5.15	1.61	0.68	0.08		1.00	0.25	3.25	5.42	6.50		
	23.85		S20	D	Woodland, Fair	79	62	93	15.19	14.62	13.78	5.67	3.15	1.06		1.00	0.20	7.16	11.93	14.31		
	9.34		S20	A	Woodland, Grass, Fair	44	26	64	1.36	1.14	0.86	0.00	0.00	0.00		1.00	0.40	2.80	4.67	5.61		
	25.73		S20	C	Woodland, Grass, Fair	77	59	92	15.56	14.91	13.96	5.31	2.74	0.74		1.00	0.25	7.72	12.87	15.44		
	83.67		S20	D	Woodland, Grass, Fair	82	66	95	57.40	55.56	52.87	24.58	15.14	6.53		1.00	0.20	25.10	41.83	50.20		
	4.21		S21	A	Chaparral, Broadleaf, Fair	40	23	60	0.43	0.35	0.24	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52		
	127.31		S21	C	Chaparral, Broadleaf, Fair	75	57	91	72.94	69.58	64.73	22.49	10.63	2.11		1.00	0.25	38.19	63.66	76.39		
	434.86		S21	D	Chaparral, Broadleaf, Fair	81	64	95	291.17	281.29	266.81	118.97										

RANCHO MISSION VIEJO																										
PA-3&4 (Ultimate Conditions)																										
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 11929 (Node 119c)																										
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											
								EV							100											
								100	50	25	10	5	2	100	P ₂₄ (Inches)					AMC						
						AMC			P ₂₄ (Inches)											AMC I/AMCII			5.63			
						II	I	III																		
	2.82		S22	B	Chaparral, Broadleaf, Fair	63	43	81	1.10	1.02	0.90	0.12	0.01	0.00		1.00	0.30	0.84	1.41	1.69						
	393.29		S22	C	Chaparral, Broadleaf, Fair	75	57	91	225.32	214.93	199.96	69.48	32.85	6.53		1.00	0.25	117.99	196.64	235.97						
	179.87		S22	D	Chaparral, Broadleaf, Fair	81	64	95	120.44	116.35	110.36	49.21	29.33	11.73		1.00	0.20	53.96	89.94	107.92						
	0.08		S22	A	Chaparral, Narrowleaf, Fair	55	35	75	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.05						
	121.85		S22	C	Chaparral, Narrowleaf, Fair	81	64	95	81.59	78.82	74.76	33.34	19.87	7.95		1.00	0.25	36.56	60.93	73.11						
	144.00		S22	D	Chaparral, Narrowleaf, Fair	86	72	97	108.43	105.77	101.83	55.33	38.17	20.85		1.00	0.20	43.20	72.00	86.40						
	2.33		S22	B	Commercial, Industrial	56	36	76	2.09	2.07	2.06	2.02	1.95	1.87		0.10	0.30	0.07	0.12	0.14						
	2.24		S22	C	Commercial, Industrial	69	50	86	2.05	2.04	2.02	1.98	1.91	1.82		0.10	0.25	0.07	0.11	0.13						
	2.22		S22	D	Commercial, Industrial	75	57	91	2.05	2.04	2.02	1.99	1.92	1.82		0.10	0.20	0.07	0.11	0.13						
	4.94		S22	A	Grass, Annual or Perennial, Fair	50	31	70	1.07	0.94	0.76	0.00	0.00	0.00		1.00	0.40	1.48	2.47	2.97						
	15.92		S22	B	Grass, Annual or Perennial, Fair	69	50	86	7.64	7.19	6.54	1.58	0.48	0.00		1.00	0.30	4.78	7.96	9.55						
	56.74		S22	C	Grass, Annual or Perennial, Fair	79	62	93	36.14	34.77	32.78	13.48	7.51	2.52		1.00	0.25	17.02	28.37	34.05						
	301.98		S22	D	Grass, Annual or Perennial, Fair	84	69	96	217.21	211.09	202.04	101.51	66.28	32.47		1.00	0.20	90.59	150.99	181.19						
	42.78		S22	A	Open Brush, Fair	46	28	66	7.22	6.16	4.79	0.00	0.00	0.00		1.00	0.40	12.84	21.39	25.67						
	14.27		S22	B	Open Brush, Fair	66	46	84	6.21	5.80	5.21	0.96	0.18	0.00		1.00	0.30	4.28	7.13	8.56						
	483.19		S22	C	Open Brush, Fair	77	59	92	292.19	279.94	262.19	99.65	51.50	13.95		1.00	0.25	144.96	241.59	289.91						
	756.78		S22	D	Open Brush, Fair	83	67	96	531.73	515.74	492.16	238.15	151.16	69.76		1.00	0.20	227.03	378.39	454.07						
	4.36		S22	B	Public Park	56	36	76	1.72	1.61	1.46	1.23	0.88	0.63		0.85	0.30	1.11	1.85	2.22						
	55.87		S22	C	Public Park	69	50	86	30.88	29.49	27.52	24.18	18.44	12.77		0.85	0.25	14.25	23.75	28.50						
	83.63		S22	D	Public Park	75	57	91	52.81	50.89	48.13	43.29	34.51	25.01		0.85	0.20	21.33	35.54	42.65						
	1.75		S22	C	Residential 2 dwellings/acre	69	50	86	1.09	1.06	1.00	0.91	0.76	0.60		0.70	0.25	0.37	0.61	0.73						
	1.81		S22	D	Residential 2 dwellings/acre	75	57	91	1.25	1.21	1.16	1.07	0.91	0.73		0.70	0.20	0.38	0.63	0.76						
	34.00		S22	B	Residential 3-4 dwellings/acre	56	36	76	19.11	18.48	17.61	16.22	14.08	12.34		0.60	0.30	6.12	10.20	12.24						
	9.18		S22	C	Residential 3-4 dwellings/acre	69	50	86	6.18	6.01	5.77	5.36	4.63	3.88		0.60	0.25	1.65	2.75	3.30						
	87.11		S22	D	Residential 3-4 dwellings/acre	75	57	91	63.52	62.02	59.86	56.06	49.02	41.16		0.60	0.20	15.68	26.13	31.36						
	35.58		S22	B	Residential 5-7 dwellings/acre	56	36	76	22.38	21.81	21.02	19.75	17.75	16.03		0.50	0.30	5.34	8.90	10.67						
	115.58		S22	C	Residential 5-7 dwellings/acre	69	50	86	83.43	81.58	78.95	74.42	66.37	57.84		0.50	0.25	17.34	28.89	34.67						
	173.99		S22	D	Residential 5-7 dwellings/acre	75	57	91	133.66	131.08	127.33	120.72	108.37	94.27		0.50	0.20	26.10	43.50	52.20						
	18.54		S22	B	Turf, Good	58	38	77	5.96	5.42	4.68	3.50	1.72	0.39		1.00	0.30	5.56	9.27	11.12						
	96.29		S22	C	Turf, Good	72	53	89	50.65	47.98	44.17	37.63	26.14	14.47		1.00	0.25	28.89	48.14	57.77						
	50.29		S22	D	Turf, Good	79	62	93	32.03	30.82	29.05	25.92	20.04	13.38		1.00	0.20	15.09	25.15	30.18						
	0.24		S22	D	Turf, Good	79	62	93	0.15	0.15	0.14	0.12	0.09	0.06		1.00	0.20	0.07	0.12	0.14						
	6.37		S22	B	Water	98	95	100	6.14	6.11	6.08	6.02	5.88	5.66		0.00	0.30	0.00	0.00	0.00						
	13.17		S22	C	Water	98	95	100	12.69	12.65	12.58	12.45	12.16	11.71		0.00	0.25	0.00	0.00	0.00						
	4.04		S22	D	Water	98	95	100	3.90	3.88	3.86	3.82	3.73	3.59		0.00	0.20	0.00	0.00	0.00						
	111.58		S22	A	Woodland, Grass, Fair	44	26	64	16.28	13.67	10.32	0.00	0.00	0.00		1.00	0.40	33.47	55.79	66.95						
	10.81		S22	B	Woodland, Grass, Fair	65	45	83	4.55	4.23	3.78	0.62	0.09	0.00		1.00	0.30	3.24	5.40	6.48						
	116.11		S22	C	Woodland, Grass, Fair	77	59	92	70.21	67.27	63.00	23.94	12.38	3.35		1.00	0.25	34.83	58.05	69.66						
	182.56		S22	D	Woodland, Grass, Fair	82	66	95	125.24	121.24	115.35	53.64	33.03	14.26		1.00	0.20	54.77	91.28	109.54						
	9.49		S23	A	Chaparral, Broadleaf, Fair	40	23	60	0.98	0.79	0.55	0.00	0.00	0.00		1.00	0.40	2.85	4.75	5.69						
	40.94		S23	C	Chaparral, Broadleaf, Fair	75	57	91	23.46	22.37	20.82	7.23	3.42	0.68		1.00	0.25	12.28	20.47	24.56						
	3.64		S23	D	Chaparral, Broadleaf, Fair	81	64	95	2.44	2.35	2.23	1.00	0.59	0.24		1.00	0.20	1.09	1.82	2.18						
	4.78		S23	A	Grass, Annual or Perennial, Fair	50	31	70	1.04	0.91	0.74	0.00	0.00	0.00		1.00	0.40	1.43	2.39	2.87						
	3.71		S23	B	Grass, Annual or Perennial, Fair	69	50	86	1.78	1.67	1.52	0.37	0.11	0.00		1.00	0.30	1.11	1.85	2.22						
	67.78		S23	C	Grass, Annual or Perennial, Fair	79	62	93	43.17	41.53	39.15	16.10	8.97	3.02		1.00	0.25	20.33	33.89	40.67						
	228.76		S23	D	Grass, Annual or Perennial, Fair	84	69	96	164.54	159.91	153.05	76.90	50.21	24.59		1.00	0.20	68.63	114.38	137.25						
	16.32		S23	A	Open Brush, Fair	46	28	66	2.75	2.35	1.83	0.00	0.00	0.00		1.00	0.40	4.90	8.16	9.79						
	27.24		S23	B	Open Brush, Fair	66	46	84	11.86	11.07	9.95	1.83	0.35	0.00		1.00	0.30	8.17	13.62	16.35						
	492.24		S23	C	Open Brush, Fair	77	59	92	297.66	285.18	267.10	101.51	52.47	14.22		1.00	0.25	147.67	246.12	295.34						
	351.19		S23	D	Open Brush, Fair	83	67	96	246.75	239.33	228.39	110.51	70.15	32.37		1.00	0.20	105.36	175.59	210.71						
	0.08		S23	D	Public Park	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.85	0.20	0.02	0.03	0.04						
	1.08		S23	C	Residential 3-4 dwellings/acre	69	50	86	0.73	0.71	0.68	0.63	0.55	0.46		0.60	0.25	0.19	0.32	0.39						
	0.00		S23	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00						
	142.11		S23	A	Woodland, Grass, Fair	44	26	64	20.73	17.41	13.14	0.00	0.00	0.00		1.00	0.40	42.63	71.05	85.26						
	6.84		S23	B	Woodland, Grass, Fair	65	45	83	2.88	2.68	2.40	0.40	0.06	0.00		1.00	0.30	2.05	3.42	4.10						
	139.99		S23	C	Woodland, Grass, Fair	77	59	92	84.66	81.11	75.96	28.87	14.92	4.04		1.00	0.25	42.00	70.00	84.00						
	47.57		S23	D	Woodland, Grass, Fair	82	66	95	32.63	31.59	30.06	13.98	8.61	3.72		1.00	0.20	14.27	23.78	28.54						
	13.09		S24	A	Chaparral, Broadleaf, Fair	40	23	60	1.35	1.09	0.76	0.00	0.00	0.00		1.00	0.40	3.93	6.55	7.85						
	276.29		S24	C	Chaparral, Broadleaf, Fair	75	57	91	158.29	150.99	140.47	48.81	23.07	4.58		1.00	0.25	82.89	138.14	165.						

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 11929 (Node 119c)

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC 1/AMCII						5.63							
	491.04		S24	D	Open Brush, Fair	83	67	96	345.01	334.63	319.34	154.52	98.08	45.26		1.00	0.20	147.31	245.52	294.62		
	103.80		S24	A	Woodland, Grass, Fair	44	26	64	15.14	12.71	9.60	0.00	0.00	0.00		1.00	0.40	31.14	51.90	62.28		
	3.00		S24	B	Woodland, Grass, Fair	65	45	83	1.26	1.18	1.05	0.17	0.03	0.00		1.00	0.30	0.90	1.50	1.80		
	103.45		S24	C	Woodland, Grass, Fair	77	59	92	62.56	59.93	56.13	21.33	11.03	2.99		1.00	0.25	31.04	51.73	62.07		
	80.24		S24	D	Woodland, Grass, Fair	82	66	95	55.05	53.29	50.70	23.58	14.52	6.27		1.00	0.20	24.07	40.12	48.14		
	0.38		S25	A	Chaparral, Broadleaf, Fair	40	23	60	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.11	0.19	0.23		
	10.79		S25	B	Chaparral, Broadleaf, Fair	63	43	81	4.22	3.91	3.46	0.47	0.04	0.00		1.00	0.30	3.24	5.39	6.47		
	180.22		S25	C	Chaparral, Broadleaf, Fair	75	57	91	103.25	98.49	91.63	31.84	15.05	2.99		1.00	0.25	54.07	90.11	108.13		
	52.57		S25	D	Chaparral, Broadleaf, Fair	81	64	95	35.20	34.01	32.26	14.38	8.57	3.43		1.00	0.20	15.77	26.29	31.54		
	7.58		S25	B	Chaparral, Narrowleaf, Fair	72	53	89	3.99	3.78	3.48	1.03	0.41	0.03		1.00	0.30	2.27	3.79	4.55		
	94.15		S25	C	Chaparral, Narrowleaf, Fair	81	64	95	63.04	60.90	57.77	25.76	15.35	6.14		1.00	0.25	28.25	47.08	56.49		
	99.70		S25	D	Chaparral, Narrowleaf, Fair	86	72	97	75.07	73.24	70.51	38.31	26.43	14.44		1.00	0.20	29.91	49.85	59.82		
	5.79		S25	A	Grass, Annual or Perennial, Fair	50	31	70	1.26	1.10	0.89	0.00	0.00	0.00		1.00	0.40	1.74	2.90	3.48		
	16.90		S25	B	Grass, Annual or Perennial, Fair	69	50	86	8.12	7.63	6.95	1.68	0.51	0.00		1.00	0.30	5.07	8.45	10.14		
	11.07		S25	C	Grass, Annual or Perennial, Fair	79	62	93	7.05	6.78	6.39	2.63	1.46	0.49		1.00	0.25	3.32	5.53	6.64		
	114.48		S25	D	Grass, Annual or Perennial, Fair	84	69	96	82.34	80.02	76.59	38.48	25.13	12.31		1.00	0.20	34.34	57.24	68.69		
	94.58		S25	A	Open Brush, Fair	46	28	66	15.95	13.62	10.59	0.00	0.00	0.00		1.00	0.40	28.38	47.29	56.75		
	159.36		S25	B	Open Brush, Fair	66	46	84	69.38	64.72	58.18	10.72	2.04	0.00		1.00	0.30	47.81	79.68	95.61		
	612.94		S25	C	Open Brush, Fair	77	59	92	370.65	355.11	332.60	126.41	65.34	17.70		1.00	0.25	183.88	306.47	367.77		
	479.25		S25	D	Open Brush, Fair	83	67	96	336.73	326.60	311.68	150.81	95.73	44.18		1.00	0.20	143.78	239.63	287.55		
	33.85		S25	A	Public Park	32	17	52	5.87	5.51	5.12	4.80	4.69	4.51		0.85	0.40	8.63	14.39	17.27		
	7.86		S25	B	Public Park	56	36	76	3.10	2.90	2.64	2.21	1.59	1.13		0.85	0.30	2.00	3.34	4.01		
	3.30		S25	C	Public Park	69	50	86	1.82	1.74	1.63	1.43	1.09	0.75		0.85	0.25	0.84	1.40	1.68		
	2.46		S25	D	Public Park	75	57	91	1.56	1.50	1.42	1.28	1.02	0.74		0.85	0.20	0.63	1.05	1.26		
	173.60		S25	A	Woodland, Grass, Fair	44	26	64	25.33	21.26	16.05	0.00	0.00	0.00		1.00	0.40	52.08	86.80	104.16		
	26.34		S25	B	Woodland, Grass, Fair	65	45	83	11.08	10.31	9.23	1.52	0.23	0.00		1.00	0.30	7.90	13.17	15.80		
	132.01		S25	C	Woodland, Grass, Fair	77	59	92	79.83	76.48	71.63	27.22	14.07	3.81		1.00	0.25	39.60	66.01	79.21		
	30.90		S25	D	Woodland, Grass, Fair	82	66	95	21.20	20.52	19.52	9.08	5.59	2.41		1.00	0.20	9.27	15.45	18.54		
	49495.7					Low Loss Fraction (1-Y) =				0.376	0.399	0.433	0.746	0.845	0.931	1.000	F _m =	0.298	0.496	0.595	0.000	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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	100									
						AMC			P ₂₄ (Inches)					5.63		Storm Event (Year)								
						II	I	III													EV	HC		
	9.71		S1	A	Chaparral, Broadleaf, Fair	40	23	60	0.99	0.79	0.55	0.00	0.00	0.00	2.91	1.00	0.40	2.91	4.86	5.83	3.89			
	73.91		S1	B	Chaparral, Broadleaf, Fair	63	43	81	28.80	26.60	23.60	3.11	0.22	0.00		1.00	0.30	22.17	36.95	44.34				
	1029.81		S1	C	Chaparral, Broadleaf, Fair	75	57	91	588.12	560.68	521.74	179.84	84.49	16.54		1.00	0.25	308.94	514.91	617.89				
	758.05		S1	D	Chaparral, Broadleaf, Fair	81	64	95	506.38	489.00	463.91	205.67	122.17	48.71		1.00	0.20	227.41	379.02	454.83				
	52.00		S1	C	Fallow	91	80	98	43.58	42.90	41.88	27.48	21.45	14.58		1.00	0.25	15.60	26.00	31.20				
	2.73		S1	D	Fallow	94	85	99	2.43	2.41	2.37	1.74	1.46	1.11		1.00	0.20	0.82	1.36	1.64				
	54.84		S1	B	Woodland, Fair	60	40	79	19.03	17.41	15.21	1.31	0.00	0.00		1.00	0.30	16.45	27.42	32.90				
	58.35		S1	C	Woodland, Fair	73	55	89	31.49	29.88	27.62	8.58	3.60	0.42		1.00	0.25	17.51	29.18	35.01				
	1.95		S1	D	Woodland, Fair	79	62	93	1.24	1.19	1.12	0.46	0.25	0.09		1.00	0.20	0.59	0.98	1.17				
	48.35		S1	B	Woodland, Poor	66	46	84	20.95	19.53	17.56	3.19	0.59	0.00		1.00	0.30	14.50	24.17	29.01				
	44.42		S1	C	Woodland, Poor	77	59	92	26.78	25.65	24.02	9.07	4.66	1.25		1.00	0.25	13.32	22.21	26.65				
	95.06		S2	B	Chaparral, Broadleaf, Fair	63	43	81	37.04	34.22	30.35	4.00	0.28	0.00		1.00	0.30	28.52	47.53	57.04				
	1437.77		S2	C	Chaparral, Broadleaf, Fair	75	57	91	821.10	782.80	728.42	251.08	117.96	23.09		1.00	0.25	431.33	718.88	862.66				
	107.72		S2	D	Chaparral, Broadleaf, Fair	81	64	95	71.96	69.49	65.92	29.22	17.36	6.92		1.00	0.20	32.32	53.86	64.63				
	15.50		S2	B	Woodland, Fair	60	40	79	5.38	4.92	4.30	0.37	0.00	0.00		1.00	0.30	4.65	7.75	9.30				
	94.17		S2	C	Woodland, Fair	73	55	89	50.82	48.23	44.57	13.84	5.81	0.69		1.00	0.25	28.25	47.08	56.50				
	35.70		S2	B	Woodland, Grass, Fair	65	45	83	14.95	13.89	12.44	2.02	0.29	0.00		1.00	0.30	10.71	17.85	21.42				
	55.19		S2	C	Woodland, Grass, Fair	77	59	92	33.28	31.87	29.85	11.27	5.79	1.56		1.00	0.25	16.56	27.60	33.12				
	5.90		S3	A	Chaparral, Broadleaf, Fair	40	23	60	0.60	0.48	0.33	0.00	0.00	0.00		1.00	0.40	1.77	2.95	3.54				
	13.63		S3	B	Chaparral, Broadleaf, Fair	63	43	81	5.31	4.90	4.35	0.57	0.04	0.00		1.00	0.30	4.09	6.81	8.18				
	754.34		S3	C	Chaparral, Broadleaf, Fair	75	57	91	430.80	410.70	382.18	131.73	61.89	12.12		1.00	0.25	226.30	377.17	452.60				
	737.55		S3	D	Chaparral, Broadleaf, Fair	81	64	95	492.69	475.78	451.36	200.11	118.87	47.39		1.00	0.20	221.27	368.78	442.53				
	322.55		S3	C	Chaparral, Narrowleaf, Fair	81	64	95	215.46	208.07	197.39	87.51	51.98	20.72		1.00	0.25	96.76	161.27	193.53				
	642.13		S3	D	Chaparral, Narrowleaf, Fair	86	72	97	482.70	470.74	453.24	245.22	168.84	92.11		1.00	0.20	192.64	321.07	385.28				
	4.47		S3	C	Commercial, Industrial	69	50	86	4.09	4.07	4.03	3.96	3.81	3.63		0.10	0.25	0.13	0.22	0.27				
	8.45		S3	C	Grass, Annual or Perennial, Fair	79	62	93	5.37	5.16	4.87	1.99	1.10	0.37		1.00	0.25	2.54	4.23	5.07				
	0.97		S3	D	Grass, Annual or Perennial, Fair	84	69	96	0.70	0.68	0.65	0.32	0.21	0.10		1.00	0.20	0.29	0.49	0.58				
	9.81		S3	D	Open Brush, Fair	83	67	96	6.88	6.67	6.37	3.06	1.94	0.89		1.00	0.20	2.94	4.91	5.89				
	4.08		S3	B	Public Park	56	36	76	1.60	1.50	1.36	1.14	0.82	0.59		0.85	0.30	1.04	1.74	2.08				
	47.90		S3	C	Public Park	69	50	86	26.39	25.19	23.52	20.64	15.72	10.90		0.85	0.25	12.21	20.36	24.43				
	0.38		S3	C	Residential 1 acre lots	69	50	86	0.22	0.21	0.20	0.17	0.14	0.10		0.80	0.25	0.09	0.15	0.18				
	0.21		S3	D	Woodland, Fair	79	62	93	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12				
	2.60		S3	A	Woodland, Grass, Fair	44	26	64	0.38	0.31	0.24	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56				
	60.94		S3	B	Woodland, Grass, Fair	65	45	83	25.51	23.71	21.23	3.44	0.49	0.00		1.00	0.30	18.28	30.47	36.56				
	155.04		S3	C	Woodland, Grass, Fair	77	59	92	93.48	89.52	83.86	31.64	16.27	4.37		1.00	0.25	46.51	77.52	93.02				
	90.19		S3	D	Woodland, Grass, Fair	82	66	95	61.74	59.74	56.85	26.29	16.14	6.95		1.00	0.20	27.06	45.10	54.12				
	41.60		S4	A	Chaparral, Broadleaf, Fair	40	23	60	4.24	3.39	2.36	0.00	0.00	0.00		1.00	0.40	12.48	20.80	24.96				
	47.53		S4	B	Chaparral, Broadleaf, Fair	63	43	81	18.52	17.11	15.18	2.00	0.14	0.00		1.00	0.30	14.26	23.77	28.52				
	998.31		S4	C	Chaparral, Broadleaf, Fair	75	57	91	570.13	543.53	505.78	174.34	81.90	16.04		1.00	0.25	299.49	499.16	598.99				
	181.26		S4	D	Chaparral, Broadleaf, Fair	81	64	95	121.08	116.92	110.92	49.18	29.21	11.65		1.00	0.20	54.38	90.63	108.75				
	71.49		S4	C	Chaparral, Narrowleaf, Fair	81	64	95	47.75	46.11	43.75	19.39	11.52	4.59		1.00	0.25	21.45	35.74	42.89				
	0.93		S4	D	Chaparral, Narrowleaf, Fair	86	72	97	0.70	0.68	0.65	0.35	0.24	0.13		1.00	0.20	0.28	0.46	0.56				
	25.40		S4	B	Fallow	86	72	97	19.09	18.62	17.93	9.70	6.68	3.64		1.00	0.30	7.62	12.70	15.24				
	60.60		S4	C	Fallow	91	80	98	50.79	49.99	48.81	32.03	25.00	17.00		1.00	0.25	18.18	30.30	36.36				
	0.09		S4	D	Fallow	94	85	99	0.08	0.08	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.05				
	11.02		S4	B	Woodland, Fair	60	40	79	3.82	3.50	3.06	0.26	0.00	0.00		1.00	0.30	3.31	5.51	6.61				
	24.63		S4	C	Woodland, Fair	73	55	89	13.29	12.61	11.65	3.62	1.52	0.18		1.00	0.25	7.39	12.31	14.78				
	0.76		S4	B	Woodland, Poor	66	46	84	0.33	0.31	0.28	0.05	0.01	0.00		1.00	0.30	0.23	0.38	0.45				
	8.00		S4	C	Woodland, Poor	77	59	92	4.82	4.62	4.33	1.63	0.84	0.23		1.00	0.25	2.40	4.00	4.80				
	3.22		S5	B	Chaparral, Broadleaf, Fair	63	43	81	1.26	1.16	1.03	0.14	0.01	0.00		1.00	0.30	0.97	1.61	1.93				
	43.68		S5	C	Chaparral, Broadleaf, Fair	75	57	91	24.95	23.78	22.13	7.63	3.58	0.70		1.00	0.25	13.10	21.84	26.21				
	204.58		S5	D	Chaparral, Broadleaf, Fair	81	64	95	136.66	131.97	125.20	55.51	32.97	13.14		1.00	0.20	61.37	102.29	122.75				
	9.30		S5	B	Chaparral, Narrowleaf, Fair	72	53	89	4.87	4.61	4.25	1.25	0.49	0.04		1.00	0.30	2.79	4.65	5.58				
	283.71		S5	C	Chaparral, Narrowleaf, Fair	81	64	95	189.52	183.01	173.62	76.97	45.73	18.23		1.00	0.25	85.11	141.85	170.23				
	334.67		S5	D	Chaparral, Narrowleaf, Fair	86	72	97	251.57	245.34	236.22	127.80	88.00	48.01		1.00	0.20	100.40	167.33	200.80				
	3.04		S5	C	Residential 1 acre lots	69	50	86	1.75	1.68	1.58	1.40	1.11	0.81		0.80	0.25	0.73	1.22	1.46				
	10.47		S5	B	Woodland, Grass, Fair	65	45	83	4.39	4.08	3.65	0.59	0.08	0.00		1.00	0.30	3.14	5.24	6.28				
	4.29		S5	C	Woodland, Grass, Fair	77	59	92	2.59	2.48	2.32	0.88	0.45	0.12		1.00	0.25	1.29	2.15	2.58				
	21.26		S5	D	Woodland, Grass, Fair	82	66	95	14.56	14.08	13.40	6.20	3.81	1.64		1.00</								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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	100								
								AMC				P ₂₄ (Inches)						AMC 1/AMCII				5.63
								II	I	III												
	154.64		S7	C	Chaparral, Broadleaf, Fair	75	57	91	88.32	84.20	78.35	27.01	12.69	2.48		1.00	0.25	46.39	77.32	92.79		
	650.67		S7	D	Chaparral, Broadleaf, Fair	81	64	95	434.65	419.73	398.19	176.53	104.87	41.81		1.00	0.20	195.20	325.33	390.40		
	1.62		S7	A	Chaparral, Narrowleaf, Fair	55	35	75	0.45	0.41	0.34	0.01	0.00	0.00		1.00	0.40	0.49	0.81	0.97		
	1.83		S7	B	Chaparral, Narrowleaf, Fair	72	53	89	0.96	0.91	0.84	0.25	0.10	0.01		1.00	0.30	0.55	0.92	1.10		
	119.57		S7	C	Chaparral, Narrowleaf, Fair	81	64	95	79.87	77.13	73.17	32.44	19.27	7.68		1.00	0.25	35.87	59.78	71.74		
	705.90		S7	D	Chaparral, Narrowleaf, Fair	86	72	97	530.64	517.49	498.25	269.58	185.61	101.26		1.00	0.20	211.77	352.95	423.54		
	6.15		S7	C	Grass, Annual or Perennial, Fair	79	62	93	3.91	3.76	3.54	1.45	0.80	0.27		1.00	0.25	1.85	3.08	3.69		
	8.08		S7	D	Grass, Annual or Perennial, Fair	84	69	96	5.80	5.64	5.40	2.70	1.76	0.86		1.00	0.20	2.42	4.04	4.85		
	15.59		S7	C	Open Brush, Fair	77	59	92	9.40	9.00	8.43	3.18	1.64	0.44		1.00	0.25	4.68	7.79	9.35		
	77.13		S7	D	Open Brush, Fair	83	67	96	54.08	52.44	50.05	24.09	15.25	7.02		1.00	0.20	23.14	38.56	46.28		
	2.83		S7	C	Public Park	69	50	86	1.56	1.49	1.39	1.22	0.93	0.64		0.85	0.25	0.72	1.20	1.44		
	4.53		S7	C	Residential 1 acre lots	69	50	86	2.60	2.50	2.35	2.09	1.64	1.21		0.80	0.25	1.09	1.81	2.17		
	23.54		S7	C	School	69	50	86	15.83	15.39	14.77	13.70	11.84	9.93		0.60	0.25	4.24	7.06	8.48		
	0.65		S7	D	School	75	57	91	0.48	0.46	0.45	0.42	0.37	0.31		0.60	0.20	0.12	0.20	0.24		
	10.99		S7	A	Woodland, Grass, Fair	44	26	64	1.59	1.33	1.00	0.00	0.00	0.00		1.00	0.40	3.30	5.50	6.59		
	27.31		S7	B	Woodland, Grass, Fair	65	45	83	11.43	10.63	9.51	1.54	0.22	0.00		1.00	0.30	8.19	13.66	16.39		
	66.03		S7	C	Woodland, Grass, Fair	77	59	92	39.81	38.12	35.71	13.48	6.93	1.86		1.00	0.25	19.81	33.01	39.62		
	83.68		S7	D	Woodland, Grass, Fair	82	66	95	57.28	55.43	52.75	24.40	14.98	6.45		1.00	0.20	25.10	41.84	50.21		
	2.17		S8	A	Chaparral, Broadleaf, Fair	40	23	60	0.22	0.18	0.12	0.00	0.00	0.00		1.00	0.40	0.65	1.08	1.30		
	62.77		S8	C	Chaparral, Broadleaf, Fair	75	57	91	35.85	34.18	31.80	10.96	5.15	1.01		1.00	0.25	18.83	31.39	37.66		
	828.83		S8	D	Chaparral, Broadleaf, Fair	81	64	95	553.66	534.66	507.22	224.87	133.58	53.25		1.00	0.20	248.65	414.41	497.30		
	4.58		S8	A	Chaparral, Narrowleaf, Fair	55	35	75	1.28	1.15	0.97	0.02	0.00	0.00		1.00	0.40	1.37	2.29	2.75		
	473.80		S8	C	Chaparral, Narrowleaf, Fair	81	64	95	316.50	305.64	289.95	128.55	76.36	30.44		1.00	0.25	142.14	236.90	284.28		
	380.43		S8	D	Chaparral, Narrowleaf, Fair	86	72	97	285.97	278.89	268.52	145.28	100.03	54.57		1.00	0.20	114.13	190.21	228.26		
	9.56		S8	A	Open Brush, Fair	46	28	66	1.60	1.36	1.06	0.00	0.00	0.00		1.00	0.40	2.87	4.78	5.74		
	98.44		S8	C	Open Brush, Fair	77	59	92	59.35	56.84	53.24	20.09	10.33	2.78		1.00	0.25	29.53	49.22	59.06		
	318.26		S8	D	Open Brush, Fair	83	67	96	223.15	216.36	206.50	99.41	62.93	28.97		1.00	0.20	95.48	159.13	190.95		
	14.99		S8	A	Woodland, Grass, Fair	44	26	64	2.16	1.81	1.37	0.00	0.00	0.00		1.00	0.40	4.50	7.50	9.00		
	21.60		S8	C	Woodland, Grass, Fair	77	59	92	13.02	12.47	11.68	4.41	2.27	0.61		1.00	0.25	6.48	10.80	12.96		
	53.83		S8	D	Woodland, Grass, Fair	82	66	95	36.85	35.65	33.93	15.69	9.63	4.15		1.00	0.20	16.15	26.91	32.30		
	0.97		S9	A	Chaparral, Broadleaf, Fair	40	23	60	0.10	0.08	0.05	0.00	0.00	0.00		1.00	0.40	0.29	0.48	0.58		
	5.45		S9	B	Chaparral, Broadleaf, Fair	63	43	81	2.12	1.96	1.74	0.23	0.02	0.00		1.00	0.30	1.63	2.72	3.27		
	476.00		S9	C	Chaparral, Broadleaf, Fair	75	57	91	271.84	259.16	241.16	83.12	39.05	7.65		1.00	0.25	142.80	238.00	285.60		
	240.06		S9	D	Chaparral, Broadleaf, Fair	81	64	95	160.36	154.86	146.91	65.13	38.69	15.42		1.00	0.20	72.02	120.03	144.03		
	1.16		S9	B	Chaparral, Narrowleaf, Fair	72	53	89	0.61	0.57	0.53	0.15	0.06	0.00		1.00	0.30	0.35	0.58	0.69		
	602.70		S9	C	Chaparral, Narrowleaf, Fair	81	64	95	402.61	388.79	368.83	163.52	97.14	38.72		1.00	0.25	180.81	301.35	361.62		
	212.84		S9	D	Chaparral, Narrowleaf, Fair	86	72	97	159.99	156.03	150.23	81.28	55.96	30.53		1.00	0.20	63.85	106.42	127.70		
	0.26		S9	A	Open Brush, Fair	46	28	66	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.08	0.13	0.16		
	0.06		S9	B	Open Brush, Fair	66	46	84	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.03		
	118.82		S9	C	Open Brush, Fair	77	59	92	71.65	68.61	64.27	24.25	12.47	3.35		1.00	0.25	35.65	59.41	71.29		
	74.36		S9	D	Open Brush, Fair	83	67	96	52.14	50.55	48.25	23.23	14.70	6.77		1.00	0.20	22.31	37.18	44.61		
	6.82		S9	D	Open Brush, Good	81	64	95	4.56	4.40	4.18	1.85	1.10	0.44		1.00	0.20	2.05	3.41	4.09		
	6.34		S9	A	Woodland, Grass, Fair	44	26	64	0.92	0.77	0.58	0.00	0.00	0.00		1.00	0.40	1.90	3.17	3.81		
	12.90		S9	B	Woodland, Grass, Fair	65	45	83	5.40	5.02	4.49	0.73	0.10	0.00		1.00	0.30	3.87	6.45	7.74		
	52.70		S9	C	Woodland, Grass, Fair	77	59	92	31.77	30.43	28.50	10.76	5.53	1.49		1.00	0.25	15.81	26.35	31.62		
	16.07		S9	D	Woodland, Grass, Fair	82	66	95	11.00	10.65	10.13	4.69	2.88	1.24		1.00	0.20	4.82	8.04	9.64		
	65.47		S10	A	Chaparral, Broadleaf, Fair	40	23	60	6.67	5.33	3.71	0.00	0.00	0.00		1.00	0.40	19.64	32.74	39.28		
	1.23		S10	B	Chaparral, Broadleaf, Fair	63	43	81	0.48	0.44	0.39	0.05	0.00	0.00		1.00	0.30	0.37	0.61	0.74		
	0.16		S10	C	Chaparral, Broadleaf, Fair	75	57	91	0.09	0.09	0.08	0.03	0.01	0.00		1.00	0.25	0.05	0.08	0.10		
	247.92		S10	D	Chaparral, Broadleaf, Fair	81	64	95	165.61	159.93	151.72	67.26	39.96	15.93		1.00	0.20	74.38	123.96	148.75		
	0.16		S10	A	Chaparral, Narrowleaf, Fair	55	35	75	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.05	0.08	0.09		
	0.11		S10	C	Chaparral, Narrowleaf, Fair	81	64	95	0.08	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.06	0.07		
	65.21		S10	D	Chaparral, Narrowleaf, Fair	86	72	97	49.02	47.80	46.03	24.90	17.15	9.35		1.00	0.20	19.56	32.60	39.13		
	5.06		S10	A	Open Brush, Fair	46	28	66	0.84	0.72	0.56	0.00	0.00	0.00		1.00	0.40	1.52	2.53	3.04		
	105.84		S10	D	Open Brush, Fair	83	67	96	74.21	71.96	68.68	33.06	20.93	9.64		1.00	0.20	31.75	52.92	63.51		
	2.32		S10	A	Open Brush, Good	41	24	61	0.26	0.21	0.15	0.00	0.00	0.00		1.00	0.40	0.70	1.16	1.39		
	0.27		S10	B	Open Brush, Good	63	43	81	0.11	0.10	0.09	0.01	0.00	0.00		1.00	0.30	0.08	0.14	0.16		
	155.88		S10	C	Open Brush, Good	75	57	91	89.02	84.87	78.98	27.22	12.79	2.50		1.00	0.25	46.76	77.94	93.53		
	158.20		S10	D	Open Brush, Good	81	64	95	105.68	102.05	96.81	42.92	25.50	10.16		1.00	0.20	47.46	79.10			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII										5.63				

	22.90		S11	C	Chaparral, Narrowleaf, Fair	81	64	95	15.30	14.77	14.01	6.21	3.69	1.47		1.00	0.25	6.87	11.45	13.74	
	683.24		S11	D	Chaparral, Narrowleaf, Fair	86	72	97	513.60	500.88	482.25	260.92	179.65	98.01		1.00	0.20	204.97	341.62	409.94	
	9.74		S11	B	Grass, Annual or Perennial, Fair	69	50	86	4.66	4.38	3.99	0.95	0.28	0.00		1.00	0.30	2.92	4.87	5.85	
	13.55		S11	C	Grass, Annual or Perennial, Fair	79	62	93	8.61	8.28	7.81	3.19	1.77	0.59		1.00	0.25	4.07	6.78	8.13	
	0.86		S11	D	Grass, Annual or Perennial, Fair	84	69	96	0.62	0.60	0.58	0.29	0.19	0.09		1.00	0.20	0.26	0.43	0.52	
	9.65		S11	C	Open Brush, Fair	77	59	92	5.82	5.57	5.22	1.97	1.01	0.27		1.00	0.25	2.89	4.82	5.79	
	112.49		S11	D	Open Brush, Fair	83	67	96	78.88	76.48	72.99	35.14	22.24	10.24		1.00	0.20	33.75	56.25	67.50	
	1.41		S11	B	Public Park	56	36	76	0.55	0.52	0.47	0.39	0.28	0.20		0.85	0.30	0.36	0.60	0.72	
	5.39		S11	C	Public Park	69	50	86	2.97	2.83	2.64	2.32	1.77	1.23		0.85	0.25	1.37	2.29	2.75	
	1.78		S11	D	Public Park	75	57	91	1.12	1.08	1.02	0.92	0.73	0.53		0.85	0.20	0.45	0.76	0.91	
	0.27		S11	C	Woodland, Fair	73	55	89	0.15	0.14	0.13	0.04	0.02	0.00		1.00	0.25	0.08	0.14	0.16	
	45.10		S11	D	Woodland, Fair	79	62	93	28.65	27.55	25.98	10.62	5.89	1.97		1.00	0.20	13.53	22.55	27.06	
	13.34		S11	B	Woodland, Grass, Fair	65	45	83	5.58	5.19	4.65	0.75	0.11	0.00		1.00	0.30	4.00	6.67	8.00	
	61.25		S11	C	Woodland, Grass, Fair	77	59	92	36.93	35.37	33.13	12.50	6.43	1.73		1.00	0.25	18.38	30.63	36.75	
	24.56		S11	D	Woodland, Grass, Fair	82	66	95	16.81	16.27	15.48	7.16	4.40	1.89		1.00	0.20	7.37	12.28	14.74	
	17.17		S12	A	Chaparral, Broadleaf, Fair	40	23	60	1.75	1.40	0.97	0.00	0.00	0.00		1.00	0.40	5.15	8.58	10.30	
	306.06		S12	C	Chaparral, Broadleaf, Fair	75	57	91	174.79	166.64	155.06	53.45	25.11	4.92		1.00	0.25	91.82	153.03	183.64	
	487.33		S12	D	Chaparral, Broadleaf, Fair	81	64	95	325.54	314.37	298.24	132.22	78.54	31.31		1.00	0.20	146.20	243.67	292.40	
	12.40		S12	A	Chaparral, Narrowleaf, Fair	55	35	75	3.46	3.10	2.63	0.05	0.00	0.00		1.00	0.40	3.72	6.20	7.44	
	68.72		S12	C	Chaparral, Narrowleaf, Fair	81	64	95	45.90	44.33	42.05	18.64	11.08	4.42		1.00	0.25	20.62	34.36	41.23	
	724.53		S12	D	Chaparral, Narrowleaf, Fair	86	72	97	544.64	531.15	511.39	276.69	190.51	103.93		1.00	0.20	217.36	362.26	434.72	
	7.07		S12	A	Open Brush, Fair	46	28	66	1.18	1.01	0.78	0.00	0.00	0.00		1.00	0.40	2.12	3.54	4.24	
	0.89		S12	C	Open Brush, Fair	77	59	92	0.54	0.51	0.48	0.18	0.09	0.03		1.00	0.25	0.27	0.45	0.53	
	407.66		S12	D	Open Brush, Fair	83	67	96	285.84	277.14	264.51	127.34	80.61	37.11		1.00	0.20	122.30	203.83	244.60	
	0.26		S12	C	Public Park	69	50	86	0.14	0.14	0.13	0.11	0.08	0.06		0.85	0.25	0.07	0.11	0.13	
	0.00		S12	D	Public Park	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.85	0.20	0.00	0.00	0.00	
	6.85		S12	A	Woodland, Grass, Fair	44	26	64	0.99	0.83	0.62	0.00	0.00	0.00		1.00	0.40	2.06	3.43	4.11	
	22.97		S12	B	Woodland, Grass, Fair	65	45	83	9.61	8.94	8.00	1.30	0.18	0.00		1.00	0.30	6.89	11.48	13.78	
	248.53		S12	C	Woodland, Grass, Fair	77	59	92	149.85	143.50	134.42	50.72	26.09	7.01		1.00	0.25	74.56	124.27	149.12	
	60.03		S12	D	Woodland, Grass, Fair	82	66	95	41.09	39.76	37.84	17.50	10.74	4.62		1.00	0.20	18.01	30.02	36.02	
	15.97		S13	A	Chaparral, Broadleaf, Fair	40	23	60	1.63	1.30	0.90	0.00	0.00	0.00		1.00	0.40	4.79	7.98	9.58	
	7.05		S13	B	Chaparral, Broadleaf, Fair	63	43	81	2.75	2.54	2.25	0.30	0.02	0.00		1.00	0.30	2.11	3.52	4.23	
	645.40		S13	C	Chaparral, Broadleaf, Fair	75	57	91	368.59	351.39	326.98	112.71	52.95	10.37		1.00	0.25	193.62	322.70	387.24	
	120.49		S13	D	Chaparral, Broadleaf, Fair	81	64	95	80.49	77.72	73.73	32.69	19.42	7.74		1.00	0.20	36.15	60.24	72.29	
	25.50		S13	A	Chaparral, Narrowleaf, Fair	55	35	75	7.11	6.38	5.41	0.10	0.00	0.00		1.00	0.40	7.65	12.75	15.30	
	11.66		S13	B	Chaparral, Narrowleaf, Fair	72	53	89	6.11	5.79	5.33	1.56	0.61	0.05		1.00	0.30	3.50	5.83	7.00	
	497.07		S13	C	Chaparral, Narrowleaf, Fair	81	64	95	332.04	320.65	304.19	134.86	80.11	31.94		1.00	0.25	149.12	248.53	298.24	
	451.84		S13	D	Chaparral, Narrowleaf, Fair	86	72	97	339.66	331.24	318.92	172.55	118.81	64.82		1.00	0.20	135.55	225.92	271.11	
	4.19		S13	A	Open Brush, Fair	46	28	66	0.70	0.60	0.46	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52	
	1.00		S13	B	Open Brush, Fair	66	46	84	0.43	0.40	0.36	0.07	0.01	0.00		1.00	0.30	0.30	0.50	0.60	
	104.58		S13	C	Open Brush, Fair	77	59	92	63.06	60.38	56.57	21.35	10.98	2.95		1.00	0.25	31.37	52.29	62.75	
	161.75		S13	D	Open Brush, Fair	83	67	96	113.41	109.96	104.95	50.52	31.98	14.72		1.00	0.20	48.52	80.87	97.05	
	0.22		S13	A	Open Brush, Good	41	24	61	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13	
	0.06		S13	B	Open Brush, Good	63	43	81	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04	
	51.44		S13	C	Open Brush, Good	75	57	91	29.38	28.01	26.06	8.98	4.22	0.83		1.00	0.25	15.43	25.72	30.86	
	0.09		S13	D	Open Brush, Good	81	64	95	0.06	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	5.18		S13	A	Public Park	32	17	52	0.89	0.84	0.78	0.73	0.72	0.69		0.85	0.40	1.32	2.20	2.64	
	2.52		S13	B	Public Park	56	36	76	0.99	0.93	0.84	0.70	0.50	0.36		0.85	0.30	0.64	1.07	1.28	
	0.28		S13	D	Public Park	75	57	91	0.17	0.17	0.16	0.14	0.11	0.08		0.85	0.20	0.07	0.12	0.14	
	24.00		S13	A	Residential 1 acre lots	32	17	52	5.26	5.02	4.75	4.54	4.43	4.26		0.80	0.40	5.76	9.60	11.52	
	3.86		S13	B	Residential 1 acre lots	56	36	76	1.65	1.55	1.43	1.23	0.94	0.72		0.80	0.30	0.93	1.54	1.85	
	9.01		S13	C	Residential 1 acre lots	69	50	86	5.18	4.97	4.67	4.15	3.27	2.40		0.80	0.25	2.16	3.60	4.32	
	36.94		S13	A	Woodland, Grass, Fair	44	26	64	5.33	4.46	3.37	0.00	0.00	0.00		1.00	0.40	11.08	18.47	22.17	
	12.05		S13	B	Woodland, Grass, Fair	65	45	83	5.04	4.69	4.20	0.68	0.10	0.00		1.00	0.30	3.61	6.02	7.23	
	24.51		S13	C	Woodland, Grass, Fair	77	59	92	14.78	14.15	13.25	5.00	2.57	0.69		1.00	0.25	7.35	12.25	14.70	
	7.65		S13	D	Woodland, Grass, Fair	82	66	95	5.24	5.07	4.82	2.23	1.37	0.59		1.00	0.20	2.29	3.82	4.59	
	21.26		S14	A	Chaparral, Broadleaf, Fair	40	23	60	2.17	1.73	1.20	0.00	0.00	0.00		1.00	0.40	6.38	10.63	12.75	
	367.70		S14	C	Chaparral, Broadleaf, Fair	75	57	91	209.99	200.19	186.29	64.21	30.17	5.91		1.00	0.25	110.31	183.85	220.62	
	287.86		S14	D	Chaparral, Broadleaf, Fair	81	64	95	192.30	185.69	176.16	78.10	46.40	18.50		1.00	0.20	86.36	143.93	172.72	
	14.04		S14	A	Chaparral, Narrowleaf, Fair	55	35	75	3.92	3.51	2.98	0.06	0.00	0.00		1.00	0.40	4.21	7.02	8.43	
	0.02		S14	B	Chaparral, Narrowleaf, Fair	72	53	89	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01	
	174.85		S14	C	Chaparral, Narrowleaf, Fair	81	64	95	116.80	112.79	107.00	47.44	28.18	11.23		1.00	0.25	52.46	87.43	104.91	
	279.25		S14	D																	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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	100								
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII						5.63								
																			Storm Event (Year)			HC	
																			EV			All	
																			> 5	5	2		

	2.48		S14	B	Public Park	56	36	76	0.97	0.91	0.83	0.69	0.50	0.36		0.85	0.30	0.63	1.05	1.26	
	0.73		S14	D	Public Park	75	57	91	0.46	0.44	0.42	0.37	0.30	0.22		0.85	0.20	0.19	0.31	0.37	
	50.10		S14	A	Woodland, Grass, Fair	44	26	64	7.23	6.05	4.57	0.00	0.00	0.00	1.00	0.40	15.03	25.05	30.06		
	0.85		S14	B	Woodland, Grass, Fair	65	45	83	0.35	0.33	0.29	0.05	0.01	0.00	1.00	0.30	0.25	0.42	0.51		
	13.64		S14	C	Woodland, Grass, Fair	77	59	92	8.22	7.88	7.38	2.78	1.43	0.38	1.00	0.25	4.09	6.82	8.18		
	12.11		S14	D	Woodland, Grass, Fair	82	66	95	8.29	8.02	7.64	3.53	2.17	0.93	1.00	0.20	3.63	6.06	7.27		
	35.60		S15	A	Chaparral, Broadleaf, Fair	40	23	60	3.63	2.90	2.02	0.00	0.00	0.00	1.00	0.40	10.68	17.80	21.36		
	20.35		S15	B	Chaparral, Broadleaf, Fair	63	43	81	7.93	7.32	6.50	0.86	0.06	0.00	1.00	0.30	6.10	10.17	12.21		
	209.04		S15	C	Chaparral, Broadleaf, Fair	75	57	91	119.38	113.81	105.91	36.50	17.15	3.36	1.00	0.25	62.71	104.52	125.42		
	53.93		S15	D	Chaparral, Broadleaf, Fair	81	64	95	36.02	34.79	33.00	14.63	8.69	3.47	1.00	0.20	16.18	26.96	32.36		
	0.29		S15	A	Chaparral, Narrowleaf, Fair	55	35	75	0.08	0.07	0.06	0.00	0.00	0.00	1.00	0.40	0.09	0.14	0.17		
	1.07		S15	B	Chaparral, Narrowleaf, Fair	72	53	89	0.56	0.53	0.49	0.14	0.06	0.00	1.00	0.30	0.32	0.54	0.64		
	52.44		S15	C	Chaparral, Narrowleaf, Fair	81	64	95	35.03	33.83	32.09	14.23	8.45	3.37	1.00	0.25	15.73	26.22	31.46		
	102.66		S15	D	Chaparral, Narrowleaf, Fair	86	72	97	77.17	75.26	72.46	39.20	26.99	14.73	1.00	0.20	30.80	51.33	61.60		
	3.28		S15	A	Commercial, Industrial	32	17	52	2.85	2.84	2.82	2.79	2.72	2.62	0.10	0.40	0.10	0.16	0.20		
	11.67		S15	C	Commercial, Industrial	69	50	86	10.67	10.61	10.51	10.32	9.95	9.46	0.10	0.25	0.35	0.58	0.70		
	12.74		S15	D	Commercial, Industrial	75	57	91	11.77	11.70	11.59	11.40	10.99	10.43	0.10	0.20	0.38	0.64	0.76		
	2.49		S15	A	Grass, Annual or Perennial, Fair	50	31	70	0.54	0.47	0.38	0.00	0.00	0.00	1.00	0.40	0.75	1.25	1.49		
	5.03		S15	B	Grass, Annual or Perennial, Fair	69	50	86	2.41	2.26	2.06	0.49	0.15	0.00	1.00	0.30	1.51	2.52	3.02		
	30.99		S15	C	Grass, Annual or Perennial, Fair	79	62	93	19.69	18.93	17.85	7.29	4.04	1.35	1.00	0.25	9.30	15.50	18.59		
	91.48		S15	D	Grass, Annual or Perennial, Fair	84	69	96	65.67	63.80	61.07	30.54	19.89	9.72	1.00	0.20	27.44	45.74	54.89		
	174.55		S15	A	Open Brush, Fair	46	28	66	29.13	24.81	19.29	0.00	0.00	0.00	1.00	0.40	52.37	87.28	104.73		
	23.72		S15	B	Open Brush, Fair	66	46	84	10.28	9.58	8.61	1.56	0.29	0.00	1.00	0.30	7.11	11.86	14.23		
	742.96		S15	C	Open Brush, Fair	77	59	92	447.98	428.97	401.85	151.64	77.99	20.94	1.00	0.25	222.89	371.48	445.77		
	293.38		S15	D	Open Brush, Fair	83	67	96	205.71	199.45	190.36	91.64	58.01	26.71	1.00	0.20	88.01	146.69	176.03		
	4.49		S15	A	Residential 5-7 dwellings/acre	32	17	52	2.24	2.20	2.16	2.12	2.07	1.99	0.50	0.40	0.67	1.12	1.35		
	1.27		S15	C	Residential 5-7 dwellings/acre	69	50	86	0.91	0.89	0.86	0.81	0.73	0.63	0.50	0.25	0.19	0.32	0.38		
	0.11		S15	D	Residential 5-7 dwellings/acre	75	57	91	0.09	0.09	0.08	0.08	0.07	0.06	0.50	0.20	0.02	0.03	0.03		
	285.97		S15	A	Woodland, Grass, Fair	44	26	64	41.24	34.53	26.07	0.00	0.00	0.00	1.00	0.40	85.79	142.99	171.58		
	28.71		S15	B	Woodland, Grass, Fair	65	45	83	12.02	11.17	10.00	1.62	0.23	0.00	1.00	0.30	8.61	14.36	17.23		
	33.62		S15	C	Woodland, Grass, Fair	77	59	92	20.27	19.41	18.18	6.86	3.53	0.95	1.00	0.25	10.09	16.81	20.17		
	89.19		S15	D	Woodland, Grass, Fair	82	66	95	61.06	59.08	56.22	26.00	15.96	6.87	1.00	0.20	26.76	44.60	53.52		
	21.74		S16	D	Barren	93	83	99	18.98	18.75	18.41	13.05	10.68	7.84	1.00	0.20	6.52	10.87	13.04		
	10.52		S16	A	Chaparral, Broadleaf, Fair	40	23	60	1.07	0.86	0.60	0.00	0.00	0.00	1.00	0.40	3.16	5.26	6.31		
	914.67		S16	C	Chaparral, Broadleaf, Fair	75	57	91	522.36	498.00	463.41	159.73	75.04	14.69	1.00	0.25	274.40	457.34	548.80		
	860.30		S16	D	Chaparral, Broadleaf, Fair	81	64	95	574.68	554.96	526.48	233.41	138.65	55.28	1.00	0.20	258.09	430.15	516.18		
	3.59		S16	A	Chaparral, Narrowleaf, Fair	55	35	75	1.00	0.90	0.76	0.01	0.00	0.00	1.00	0.40	1.08	1.79	2.15		
	147.16		S16	C	Chaparral, Narrowleaf, Fair	81	64	95	98.31	94.93	90.06	39.93	23.72	9.46	1.00	0.25	44.15	73.58	88.30		
	541.02		S16	D	Chaparral, Narrowleaf, Fair	86	72	97	406.69	396.62	381.87	206.61	142.26	77.61	1.00	0.20	162.31	270.51	324.61		
	1.56		S16	A	Open Brush, Fair	46	28	66	0.26	0.22	0.17	0.00	0.00	0.00	1.00	0.40	0.47	0.78	0.94		
	21.05		S16	C	Open Brush, Fair	77	59	92	12.70	12.16	11.39	4.30	2.21	0.59	1.00	0.25	6.32	10.53	12.63		
	492.25		S16	D	Open Brush, Fair	83	67	96	345.15	334.65	319.39	153.76	97.33	44.81	1.00	0.20	147.68	246.13	295.35		
	112.03		S16	C	Residential 2.5 acre lots	69	50	86	59.01	56.06	51.94	44.87	32.84	21.13	0.90	0.25	30.25	50.41	60.50		
	3.80		S16	A	Woodland, Grass, Fair	44	26	64	0.55	0.46	0.35	0.00	0.00	0.00	1.00	0.40	1.14	1.90	2.28		
	63.48		S16	C	Woodland, Grass, Fair	77	59	92	38.27	36.65	34.33	12.96	6.66	1.79	1.00	0.25	19.04	31.74	38.09		
	10.66		S16	D	Woodland, Grass, Fair	82	66	95	7.30	7.06	6.72	3.11	1.91	0.82	1.00	0.20	3.20	5.33	6.40		
	0.53		S17	A	Barren	78	61	93	0.33	0.31	0.30	0.12	0.06	0.02	1.00	0.40	0.16	0.26	0.32		
	21.11		S17	C	Barren	91	80	98	17.69	17.41	17.00	11.15	8.71	5.92	1.00	0.25	6.33	10.55	12.66		
	20.15		S17	D	Barren	93	83	99	17.59	17.38	17.06	12.09	9.90	7.26	1.00	0.20	6.04	10.07	12.09		
	72.38		S17	A	Chaparral, Broadleaf, Fair	40	23	60	7.37	5.90	4.10	0.00	0.00	0.00	1.00	0.40	21.71	36.19	43.43		
	209.48		S17	C	Chaparral, Broadleaf, Fair	75	57	91	119.63	114.05	106.13	36.58	17.19	3.36	1.00	0.25	62.84	104.74	125.69		
	13.50		S17	D	Chaparral, Broadleaf, Fair	81	64	95	9.02	8.71	8.26	3.66	2.18	0.87	1.00	0.20	4.05	6.75	8.10		
	9.54		S17	A	Chaparral, Narrowleaf, Fair	55	35	75	2.66	2.39	2.02	0.04	0.00	0.00	1.00	0.40	2.86	4.77	5.72		
	1.42		S17	B	Chaparral, Narrowleaf, Fair	72	53	89	0.75	0.71	0.65	0.19	0.07	0.01	1.00	0.30	0.43	0.71	0.85		
	11.72		S17	C	Chaparral, Narrowleaf, Fair	81	64	95	7.83	7.56	7.17	3.18	1.89	0.75	1.00	0.25	3.52	5.86	7.03		
	1.51		S17	D	Chaparral, Narrowleaf, Fair	86	72	97	1.14	1.11	1.07	0.58	0.40	0.22	1.00	0.20	0.45	0.76	0.91		
	0.07		S17	A	Commercial, Industrial	32	17	52	0.06	0.06	0.06	0.06	0.06	0.05	0.10	0.40	0.00	0.00	0.00		
	7.31		S17	C	Commercial, Industrial	69	50	86	6.69	6.64	6.58	6.46	6.23	5.92	0.10	0.25	0.22	0.37	0.44		
	6.95		S17	D	Commercial, Industrial	75	57	91	6.42	6.39	6.33	6.22	6.00	5.69	0.10	0.20	0.21	0.35	0.42		
	0.08		S17	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00	1.00	0.40	0.02	0.04	0.05		
	0.41		S17	B	Grass, Annual or Perennial, Fair	69	50	86	0.19	0.18	0.17	0.04	0.01	0.00	1.00	0.30	0.12	0.20	0.24		
	0.48		S17	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.30	0.28	0.11	0.06	0.02	1.00	0.25	0.14	0.24	0.29		
	29.46		S17	D	Grass, Annual or Perennial, Fair	84	69	96	21.15	20.55	19.67	9.83	6.41	3.13	1.00	0.20	8.84	14.73	17.68		
	139.45		S17	A	Open Brush, Fair	46	28	66	23.28	19.82	15.41	0.00	0.00	0.00	1.00	0.40	41.84	69.73	83.67		
	11.51		S17	B	Open Brush, Fair	66	46	84	4.99	4.65	4.18	0.76	0.14	0.00	1.00	0.30	3.45	5.75	6.91		
	503.55		S17	C	Open Brush, Fair	77	59	92	303.62	290.74	2										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														
																		All					
	0.33		S17	D	Woodland, Grass, Fair	82	66	95	0.23	0.22	0.21	0.10	0.06	0.03		1.00	0.20	0.10	0.17	0.20			
	6.56		S18	C	Chaparral, Broadleaf, Fair	75	57	91	3.75	3.57	3.32	1.15	0.54	0.11		1.00	0.25	1.97	3.28	3.93			
	0.00		S18	A	Chaparral, Narrowleaf, Fair	55	35	75	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00			
	2.82		S18	B	Chaparral, Narrowleaf, Fair	72	53	89	1.48	1.40	1.29	0.38	0.15	0.01		1.00	0.30	0.85	1.41	1.69			
	0.87		S18	C	Chaparral, Narrowleaf, Fair	81	64	95	0.58	0.56	0.54	0.24	0.14	0.06		1.00	0.25	0.26	0.44	0.52			
	19.41		S18	D	Chaparral, Narrowleaf, Fair	86	72	97	14.59	14.23	13.70	7.41	5.10	2.78		1.00	0.20	5.82	9.71	11.65			
	20.11		S18	A	Grass, Annual or Perennial, Fair	50	31	70	4.32	3.78	3.08	0.00	0.00	0.00		1.00	0.40	6.03	10.06	12.07			
	5.15		S18	B	Grass, Annual or Perennial, Fair	69	50	86	2.46	2.31	2.11	0.50	0.15	0.00		1.00	0.30	1.54	2.57	3.09			
	10.11		S18	C	Grass, Annual or Perennial, Fair	79	62	93	6.42	6.17	5.82	2.38	1.32	0.44		1.00	0.25	3.03	5.05	6.06			
	109.43		S18	D	Grass, Annual or Perennial, Fair	84	69	96	78.56	76.32	73.06	36.53	23.79	11.63		1.00	0.20	32.83	54.71	65.66			
	117.51		S18	A	Open Brush, Fair	46	28	66	19.61	16.70	12.99	0.00	0.00	0.00		1.00	0.40	35.25	58.75	70.50			
	59.26		S18	B	Open Brush, Fair	66	46	84	25.68	23.93	21.52	3.90	0.72	0.00		1.00	0.30	17.78	29.63	35.56			
	411.61		S18	C	Open Brush, Fair	77	59	92	248.19	237.66	222.63	84.01	43.21	11.60		1.00	0.25	123.48	205.81	246.97			
	146.66		S18	D	Open Brush, Fair	83	67	96	102.84	99.71	95.16	45.81	29.00	13.35		1.00	0.20	44.00	73.33	88.00			
	0.76		S18	A	Residential 5-7 dwellings/acre	32	17	52	0.38	0.37	0.36	0.36	0.35	0.34		0.50	0.40	0.11	0.19	0.23			
	48.45		S18	A	Woodland, Grass, Fair	44	26	64	6.99	5.85	4.42	0.00	0.00	0.00		1.00	0.40	14.54	24.23	29.07			
	14.00		S18	B	Woodland, Grass, Fair	65	45	83	5.86	5.45	4.88	0.79	0.11	0.00		1.00	0.30	4.20	7.00	8.40			
	17.16		S18	C	Woodland, Grass, Fair	77	59	92	10.35	9.91	9.28	3.50	1.80	0.48		1.00	0.25	5.15	8.58	10.29			
	37.74		S18	D	Woodland, Grass, Fair	82	66	95	25.83	25.00	23.78	11.00	6.75	2.91		1.00	0.20	11.32	18.87	22.64			
11927	4.4		s19	A	Residential 5-7 dwellings/acre	32	17	52	2.19	2.16	2.12	2.08	2.03	1.95		0.50	0.40	0.66	1.10	1.32			
11927	23.2		s19	A	Grass, Annual or Perennial, Fair	50	31	70	4.98	4.36	3.55	0.00	0.00	0.00		1.00	0.40	6.96	11.60	13.92			
11927	47.6		s19	A	Chaparral, Broadleaf, Fair	40	23	60	4.85	3.88	2.69	0.00	0.00	0.00		1.00	0.40	14.28	23.80	28.56			
11927	47.9		s19	A	Woodland, Grass, Fair	44	26	64	6.91	5.78	4.37	0.00	0.00	0.00		1.00	0.40	14.37	23.95	28.74			
11927	170.2		s19	A	Open Brush, Fair	46	28	66	28.41	24.19	18.81	0.00	0.00	0.00		1.00	0.40	51.06	85.10	102.12			
11927	4.2		s19	B	Grass, Annual or Perennial, Fair	69	50	86	2.01	1.89	1.72	0.41	0.12	0.00		1.00	0.30	1.26	2.10	2.52			
11927	6.7		s19	B	Chaparral, Broadleaf, Fair	63	43	81	2.61	2.41	2.14	0.28	0.02	0.00		1.00	0.30	2.01	3.35	4.02			
11927	13.9		s19	B	Open Brush, Fair	66	46	84	6.02	5.61	5.05	0.92	0.17	0.00		1.00	0.30	4.17	6.95	8.34			
11927	15.8		s19	B	Woodland, Grass, Fair	65	45	83	6.61	6.15	5.50	0.89	0.13	0.00		1.00	0.30	4.74	7.90	9.48			
11927	0.5		s19	C	Barren	91	80	98	0.42	0.41	0.40	0.26	0.21	0.14		1.00	0.25	0.15	0.25	0.30			
11927	53.3		s19	C	Chaparral, Narrowleaf, Fair	81	64	95	35.60	34.38	32.62	14.46	8.59	3.42		1.00	0.25	15.99	26.65	31.98			
11927	77.7		s19	C	Residential 2.5 acre lots	69	50	86	40.93	38.88	36.03	31.12	22.78	14.66		0.90	0.25	20.98	34.97	41.96			
11927	87.9		s19	C	Grass, Annual or Perennial, Fair	79	62	93	55.84	53.70	50.63	20.69	11.47	3.84		1.00	0.25	26.37	43.95	52.74			
11927	174.3		s19	C	Woodland, Grass, Fair	77	59	92	105.10	100.64	94.28	35.57	18.30	4.91		1.00	0.25	52.29	87.15	104.58			
11927	636.1		s19	C	Chaparral, Broadleaf, Fair	75	57	91	363.27	346.33	322.27	111.08	52.19	10.22		1.00	0.25	190.83	318.05	381.66			
11927	1061.1		s19	C	Open Brush, Fair	77	59	92	639.80	612.66	573.93	216.57	111.38	29.91		1.00	0.25	318.33	530.55	636.66			
11927	0.1		s19	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.06			
11927	10		s19	D	Woodland, Grass, Fair	82	66	95	6.85	6.62	6.30	2.92	1.79	0.77		1.00	0.20	3.00	5.00	6.00			
11927	68.8		s19	D	Grass, Annual or Perennial, Fair	84	69	96	49.39	47.98	45.93	22.97	14.96	7.31		1.00	0.20	20.64	34.40	41.28			
11927	143.4		s19	D	Chaparral, Narrowleaf, Fair	86	72	97	107.80	105.13	101.22	54.76	37.71	20.57		1.00	0.20	43.02	71.70	86.04			
11927	295.1		s19	D	Open Brush, Fair	83	67	96	206.92	200.62	191.47	92.18	58.35	26.87		1.00	0.20	88.53	147.55	177.06			
11927	399.8		s19	D	Chaparral, Broadleaf, Fair	81	64	95	267.07	257.90	244.67	108.47	64.44	25.69		1.00	0.20	119.94	199.90	239.88			
	3.13		S20	A	Chaparral, Broadleaf, Fair	40	23	60	0.32	0.25	0.18	0.00	0.00	0.00		1.00	0.40	0.94	1.56	1.88			
	156.82		S20	C	Chaparral, Broadleaf, Fair	75	57	91	89.56	85.38	79.45	27.39	12.87	2.52		1.00	0.25	40.75	78.41	94.09			
	368.60		S20	D	Chaparral, Broadleaf, Fair	81	64	95	246.23	237.78	225.57	100.00	59.41	23.68		1.00	0.20	110.58	184.30	221.16			
	0.22		S20	A	Chaparral, Narrowleaf, Fair	55	35	75	0.06	0.06	0.05	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13			
	92.39		S20	C	Chaparral, Narrowleaf, Fair	81	64	95	61.71	59.60	56.54	25.07	14.89	5.94		1.00	0.25	27.72	46.19	55.43			
	852.18		S20	D	Chaparral, Narrowleaf, Fair	86	72	97	640.60	624.73	601.50	325.44	224.07	122.24		1.00	0.20	255.65	426.09	511.31			
	0.66		S20	A	Open Brush, Fair	46	28	66	0.11	0.09	0.07	0.00	0.00	0.00		1.00	0.40	0.20	0.33	0.40			
	17.20		S20	C	Open Brush, Fair	77	59	92	10.37	9.93	9.31	3.51	1.81	0.49		1.00	0.25	5.16	8.60	10.32			
	269.04		S20	D	Open Brush, Fair	83	67	96	188.65	182.90	174.57	84.04	53.20	24.49		1.00	0.20	80.71	134.52	161.43			
	10.84		S20	C	Woodland, Fair	73	55	89	5.85	5.55	5.13	1.59	0.67	0.08		1.00	0.25	3.25	5.42	6.50			
	23.85		S20	D	Woodland, Fair	79	62	93	15.15	14.57	13.74	5.61	3.11	1.04		1.00	0.20	7.16	11.93	14.31			
	9.34		S20	A	Woodland, Grass, Fair	44	26	64	1.35	1.13	0.85	0.00	0.00	0.00		1.00	0.40	2.80	4.67	5.61			
	25.73		S20	C	Woodland, Grass, Fair	77	59	92	15.52	14.86	13.92	5.25	2.70	0.73		1.00	0.25	7.72	12.87	15.44			
	83.67		S20	D	Woodland, Grass, Fair	82	66	95	57.27	55.42	52.74	24.39	14.98	6.45		1.00	0.20	25.10	41.83	50.20			
	4.21		S21	A	Chaparral, Broadleaf, Fair	40	23	60	0.43	0.34	0.24	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52			
	127.31		S21	C	Chaparral, Broadleaf, Fair	75	57	91	72.71	69.32	64.50	22.23	10.45	2.04		1.00	0.25	38.19	63.66	76.39			
	434.86		S21	D	Chaparral, Broadleaf, Fair	81	64	95	290.49	280.52	266.12	117.98	70.09	27.94		1.00	0.20	130.46	217.43	260.92			
	3.55		S21	A	Chaparral, Narrowleaf, Fair	55	35	75	0.99	0.89	0.75	0.01	0.00	0.00		1.00	0.40	1.07	1.78	2.13			
	15.70		S21	C	Chaparral, Narrowleaf, Fair	81	64	95	10.49	10.13	9.61	4.26	2.53	1.01		1.00	0.25	4.71	7.85	9.42			
	517.19		S21	D	Chaparral, Narrowleaf, Fair	86	72	97	388.78	379.15	365.05	197.51	135.99	74.19		1.00	0.20						

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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	100											
						AMC			P ₂₄ (Inches)										5.63				
						II	III	IV															
																		Storm Event (Year)				HC	
																		EV					
																		> 5	5	2	All		

	2.82		S22	B	Chaparral, Broadleaf, Fair	63	43	81	1.10	1.01	0.90	0.12	0.01	0.00		1.00	0.30	0.84	1.41	1.69	
	393.29		S22	C	Chaparral, Broadleaf, Fair	75	57	91	224.61	214.13	199.25	68.68	32.27	6.32		1.00	0.25	117.99	196.64	235.97	
	179.87		S22	D	Chaparral, Broadleaf, Fair	81	64	95	120.16	116.03	110.08	48.80	28.99	11.56		1.00	0.20	53.96	89.94	107.92	
	0.08		S22	A	Chaparral, Narrowleaf, Fair	55	35	75	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.05	
	121.85		S22	C	Chaparral, Narrowleaf, Fair	81	64	95	81.40	78.60	74.57	33.06	19.64	7.83		1.00	0.25	36.56	60.93	73.11	
	144.00		S22	D	Chaparral, Narrowleaf, Fair	86	72	97	108.25	105.57	101.64	54.99	37.86	20.66		1.00	0.20	43.20	72.00	86.40	
	2.33		S22	B	Commercial, Industrial	56	36	76	2.09	2.07	2.05	2.02	1.95	1.86		0.10	0.30	0.07	0.12	0.14	
	2.24		S22	C	Commercial, Industrial	69	50	86	2.05	2.04	2.02	1.98	1.91	1.82		0.10	0.25	0.07	0.11	0.13	
	2.22		S22	D	Commercial, Industrial	75	57	91	2.05	2.04	2.02	1.99	1.92	1.82		0.10	0.20	0.07	0.11	0.13	
	4.94		S22	A	Grass, Annual or Perennial, Fair	50	31	70	1.06	0.93	0.76	0.00	0.00	0.00		1.00	0.40	1.48	2.47	2.97	
	15.92		S22	B	Grass, Annual or Perennial, Fair	69	50	86	7.61	7.15	6.51	1.55	0.46	0.00		1.00	0.30	4.78	7.96	9.55	
	56.74		S22	C	Grass, Annual or Perennial, Fair	79	62	93	36.05	34.67	32.68	13.36	7.41	2.48		1.00	0.25	17.02	28.37	34.05	
	301.98		S22	D	Grass, Annual or Perennial, Fair	84	69	96	216.80	210.61	201.61	100.81	65.66	32.10		1.00	0.20	90.59	150.99	181.19	
	42.78		S22	A	Open Brush, Fair	46	28	66	7.14	6.08	4.73	0.00	0.00	0.00		1.00	0.40	12.84	21.39	25.67	
	14.27		S22	B	Open Brush, Fair	66	46	84	6.18	5.76	5.18	0.94	0.17	0.00		1.00	0.30	4.28	7.13	8.56	
	483.19		S22	C	Open Brush, Fair	77	59	92	291.34	278.99	261.35	98.62	50.72	13.62		1.00	0.25	144.96	241.59	289.91	
	756.78		S22	D	Open Brush, Fair	83	67	96	530.64	514.48	491.03	236.39	149.64	68.90		1.00	0.20	227.03	378.39	454.07	
	4.36		S22	B	Public Park	56	36	76	1.71	1.60	1.46	1.22	0.88	0.63		0.85	0.30	1.11	1.85	2.22	
	55.87		S22	C	Public Park	69	50	86	30.78	29.39	27.43	24.07	18.34	12.71		0.85	0.25	14.25	23.75	28.50	
	83.63		S22	D	Public Park	75	57	91	52.68	50.75	47.99	43.13	34.34	24.89		0.85	0.20	21.33	35.54	42.65	
	1.75		S22	C	Residential 2 dwellings/acre	69	50	86	1.09	1.05	1.00	0.91	0.76	0.60		0.70	0.25	0.37	0.61	0.73	
	1.81		S22	D	Residential 2 dwellings/acre	75	57	91	1.24	1.21	1.16	1.07	0.91	0.73		0.70	0.20	0.38	0.63	0.76	
	34.00		S22	B	Residential 3-4 dwellings/acre	56	36	76	19.06	18.43	17.57	16.18	14.04	12.32		0.60	0.30	6.12	10.20	12.24	
	9.18		S22	C	Residential 3-4 dwellings/acre	69	50	86	6.17	6.00	5.76	5.34	4.62	3.87		0.60	0.25	1.65	2.75	3.30	
	87.11		S22	D	Residential 3-4 dwellings/acre	75	57	91	63.41	61.91	59.75	55.92	48.89	41.06		0.60	0.20	15.68	26.13	31.36	
	35.58		S22	B	Residential 5-7 dwellings/acre	56	36	76	22.34	21.76	20.99	19.71	17.72	16.02		0.50	0.30	5.34	8.90	10.67	
	115.58		S22	C	Residential 5-7 dwellings/acre	69	50	86	83.30	81.44	78.83	74.27	66.22	57.74		0.50	0.25	17.34	28.89	34.67	
	173.99		S22	D	Residential 5-7 dwellings/acre	75	57	91	133.48	130.88	127.15	120.49	108.14	94.10		0.50	0.20	26.10	43.50	52.20	
	18.54		S22	B	Turf, Good	58	38	77	5.92	5.38	4.64	3.46	1.69	0.38		1.00	0.30	5.56	9.27	11.12	
	96.29		S22	C	Turf, Good	72	53	89	50.47	47.78	43.99	37.41	25.94	14.33		1.00	0.25	28.89	48.14	57.77	
	50.29		S22	D	Turf, Good	79	62	93	31.95	30.73	28.97	25.81	19.92	13.30		1.00	0.20	15.09	25.15	30.18	
	0.24		S22	D	Turf, Good	79	62	93	0.15	0.15	0.14	0.12	0.09	0.06		1.00	0.20	0.07	0.12	0.14	
	6.37		S22	B	Water	98	95	100	6.13	6.11	6.08	6.02	5.88	5.66		0.00	0.30	0.00	0.00	0.00	
	13.17		S22	C	Water	98	95	100	12.69	12.65	12.58	12.45	12.16	11.70		0.00	0.25	0.00	0.00	0.00	
	4.04		S22	D	Water	98	95	100	3.90	3.88	3.86	3.82	3.73	3.59		0.00	0.20	0.00	0.00	0.00	
	111.58		S22	A	Woodland, Grass, Fair	44	26	64	16.09	13.47	10.17	0.00	0.00	0.00		1.00	0.40	33.47	55.79	66.95	
	10.81		S22	B	Woodland, Grass, Fair	65	45	83	4.52	4.20	3.76	0.61	0.09	0.00		1.00	0.30	3.24	5.40	6.48	
	116.11		S22	C	Woodland, Grass, Fair	77	59	92	70.01	67.04	62.80	23.70	12.19	3.27		1.00	0.25	34.83	58.05	69.66	
	182.56		S22	D	Woodland, Grass, Fair	82	66	95	124.97	120.92	115.07	53.22	32.68	14.06		1.00	0.20	54.77	91.28	109.54	
	9.49		S23	A	Chaparral, Broadleaf, Fair	40	23	60	0.97	0.77	0.54	0.00	0.00	0.00		1.00	0.40	2.85	4.75	5.69	
	40.94		S23	C	Chaparral, Broadleaf, Fair	75	57	91	23.38	22.29	20.74	7.15	3.36	0.66		1.00	0.25	12.28	20.47	24.56	
	3.64		S23	D	Chaparral, Broadleaf, Fair	81	64	95	2.43	2.35	2.23	0.99	0.59	0.23		1.00	0.20	1.09	1.82	2.18	
	4.78		S23	A	Grass, Annual or Perennial, Fair	50	31	70	1.03	0.90	0.73	0.00	0.00	0.00		1.00	0.40	1.43	2.39	2.87	
	3.71		S23	B	Grass, Annual or Perennial, Fair	69	50	86	1.77	1.67	1.52	0.36	0.11	0.00		1.00	0.30	1.11	1.85	2.22	
	67.78		S23	C	Grass, Annual or Perennial, Fair	79	62	93	43.06	41.41	39.04	15.95	8.85	2.96		1.00	0.25	20.33	33.89	40.67	
	228.76		S23	D	Grass, Annual or Perennial, Fair	84	69	96	164.23	159.54	152.72	76.36	49.74	24.32		1.00	0.20	68.63	114.38	137.25	
	16.32		S23	A	Open Brush, Fair	46	28	66	2.72	2.32	1.80	0.00	0.00	0.00		1.00	0.40	4.90	8.16	9.79	
	27.24		S23	B	Open Brush, Fair	66	46	84	11.81	11.00	9.89	1.79	0.33	0.00		1.00	0.30	8.17	13.62	16.35	
	492.24		S23	C	Open Brush, Fair	77	59	92	296.80	284.21	266.24	100.47	51.67	13.88		1.00	0.25	147.67	246.12	295.34	
	351.19		S23	D	Open Brush, Fair	83	67	96	246.24	238.75	227.87	109.70	69.44	31.97		1.00	0.20	105.36	175.59	210.71	
	0.08		S23	D	Public Park	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.85	0.20	0.02	0.03	0.04	
	1.08		S23	C	Residential 3-4 dwellings/acre	69	50	86	0.73	0.71	0.68	0.63	0.54	0.46		0.60	0.25	0.19	0.32	0.39	
	0.00		S23	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00	
	142.11		S23	A	Woodland, Grass, Fair	44	26	64	20.49	17.16	12.95	0.00	0.00	0.00		1.00	0.40	42.63	71.05	85.26	
	6.84		S23	B	Woodland, Grass, Fair	65	45	83	2.86	2.66	2.38	0.39	0.06	0.00		1.00	0.30	2.05	3.42	4.10	
	139.99		S23	C	Woodland, Grass, Fair	77	59	92	84.41	80.83	75.72	28.57	14.70	3.95		1.00	0.25	42.00	70.00	84.00	
	47.57		S23	D	Woodland, Grass, Fair	82	66	95	32.56	31.51	29.98	13.87	8.51	3.66		1.00	0.20	14.27	23.78	28.54	
	13.09		S24	A	Chaparral, Broadleaf, Fair	40	23	60	1.33	1.07	0.74	0.00	0.00	0.00		1.00	0.40	3.93	6.55	7.85	
	276.29		S24	C	Chaparral, Broadleaf, Fair	75	57	91	157.79	150.42	139.98	48.25	22.67	4.44		1.00	0.25	82.89	138.14	165.77	
	147.05		S24	D	Chaparral, Broadleaf, Fair	81	64	95	98.23	94.86	89.99	39.90	23.70	9.45		1.00	0.20	44.12	73.53	88.23	
	6.85		S24	B	Chaparral, Narrowleaf, Fair	72	53	89	3.59	3.40	3.13	0.92	0.36	0.03		1.00	0.30	2.06	3.43	4.11	
	97.55		S24	C	Chaparral, Narrowleaf, Fair	81	64	95	65.16	62.93	59.70	26.47	15.72	6.27		1.00	0.25	29.27	48.78	58.53	
	5.72		S24	D	Chaparral, Narrowleaf, Fair	86	72	97	4.30	4.19	4.04	2.18	1.50	0.82		1.00	0.20	1.72	2.86	3.43	
	0.39		S24	A	Grass, Annual or Perennial, Fair	50	31	70	0.08	0.07	0.06	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.23	
	0.11		S24	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.05	0.05	0.01	0.00	0.00		1.00	0.30	0.03	0.06	0.07	
	3.52		S24	C	Grass, Annual or Perennial, Fair	79	62	93	2.24	2.15	2.03	0.83	0.46	0.15		1.00	0.25	1.06	1.76	2.11	
	45.31		S24	D	Grass, Annual or Perennial, Fair	84	69	96	32.53	31.60	30.25	15.13	9.85	4.82		1.00	0.				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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	Storm Event (Year)												
								100	50	25	10	5	2	100	EV					HC									
						II		I		III		P ₂₄ (Inches)										EV					HC		
												AMC 1/AMCII										5.63					All		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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)				
								EV							HC									
								100	50	25	10	5	2	100	Storm Event (Year)									
								P ₂₄ (Inches)												HC				
								AMC							Storm Event (Year)					HC				
II	I	III	AMC 1/AMCI					EV			HC													
																		All						
	10.40	OE-3	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.94	5.66	5.27	1.82	0.85	0.17		1.00	0.25	3.12	5.20	6.24				
	0.10	OE-4	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06				
	0.30	OE-4	S26.1	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18				
	0.60	OE-4	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.34	0.33	0.30	0.10	0.05	0.01		1.00	0.25	0.18	0.30	0.36				
	0.10	OE-5	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.09	0.08		1.00	0.25	0.00	0.01	0.01				
	0.90	OE-5	S26.1	B	Residential 2.5 acre lots	56	36	76	0.32	0.30	0.27	0.22	0.14	0.09		0.90	0.30	0.24	0.41	0.49				
	1.30	OE-5	S26.1	B	Commercial	56	36	76	1.17	1.16	1.15	1.13	1.09	1.04		0.10	0.30	0.04	0.07	0.08				
	0.80	OE-5	S26.1	D	Open Brush, Fair	83	67	96	0.56	0.54	0.52	0.25	0.16	0.07		1.00	0.20	0.24	0.40	0.48				
	2.40	OE-5	S26.1	C	Open Brush, Fair	77	59	92	1.45	1.39	1.30	0.49	0.25	0.07		1.00	0.25	0.72	1.20	1.44				
	3.20	OE-5	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.14	2.06	1.96	0.87	0.52	0.21		1.00	0.20	0.96	1.60	1.92				
	4.00	OE-5	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.56	1.44	1.28	0.17	0.01	0.00		1.00	0.30	1.20	2.00	2.40				
	7.10	OE-5	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	4.05	3.87	3.60	1.24	0.58	0.11		1.00	0.25	2.13	3.55	4.26				
	1.00	OE-6	S26.1	B	Commercial	56	36	76	0.90	0.89	0.88	0.87	0.84	0.80		0.10	0.30	0.03	0.05	0.06				
	0.20	OE-6	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.07	0.06	0.05	0.03	0.02		0.90	0.30	0.05	0.09	0.11				
	0.50	OE-6	S26.1	B	Open Brush, Fair	66	46	84	0.22	0.20	0.18	0.03	0.01	0.00		1.00	0.30	0.15	0.25	0.30				
	1.80	OE-6	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	1.03	0.98	0.91	0.31	0.15	0.03		1.00	0.25	0.54	0.90	1.08				
	2.60	OE-6	S26.1	D	Open Brush, Fair	83	67	96	1.82	1.77	1.69	0.81	0.51	0.24		1.00	0.20	0.78	1.30	1.56				
	3.40	OE-6	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.32	1.22	1.09	0.14	0.01	0.00		1.00	0.30	1.02	1.70	2.04				
	3.60	OE-6	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.40	2.32	2.20	0.98	0.58	0.23		1.00	0.20	1.08	1.80	2.16				
	0.10	OE-6	S26.1	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	4.60	OE-6	S26.1	C	Open Brush, Fair	77	59	92	2.77	2.66	2.49	0.94	0.48	0.13		1.00	0.25	1.38	2.30	2.76				
	0.7	F-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.47	0.45	0.43	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42				
	0.5	F-1	S26.2	D	Open Brush, Fair	83	67	96	0.35	0.34	0.32	0.16	0.10	0.05		1.00	0.20	0.15	0.25	0.30				
	0.2	F-2	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	5.5	F-2	S26.2	B	Commercial	56	36	76	4.93	4.90	4.85	4.77	4.61	4.40		0.10	0.30	0.17	0.28	0.33				
	0.2	F-2	S26.2	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	0.1	F-2	S26.2	B	Residential 2.5 acre lots	56	36	76	0.04	0.03	0.03	0.02	0.02	0.01		0.90	0.30	0.03	0.05	0.05				
	0.1	F-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	1.0	F-2	S26.2	C	Commercial	69	50	86	0.91	0.91	0.90	0.88	0.85	0.81		0.10	0.25	0.03	0.05	0.06				
	0.2	F-2	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.25	0.06	0.10	0.12				
	0.1	F-2	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05				
	3.2	F-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.14	2.06	1.96	0.87	0.52	0.21		1.00	0.20	0.96	1.60	1.92				
	3.4	F-2	S26.2	D	Commercial	75	57	91	3.14	3.12	3.09	3.04	2.93	2.78		0.10	0.20	0.10	0.17	0.20				
	3.3	F-2	S26.2	D	Open Brush, Fair	83	67	96	2.31	2.24	2.14	1.03	0.65	0.30		1.00	0.20	0.99	1.65	1.98				
	0.7	F-2	S26.2	D	Residential 2.5 acre lots	75	57	91	0.43	0.41	0.39	0.34	0.27	0.18		0.90	0.20	0.19	0.32	0.38				
	0.5	F-3	S26.2	C	Residential 2.5 acre lots	69	50	86	0.26	0.25	0.23	0.20	0.15	0.09		0.90	0.25	0.14	0.23	0.27				
	2.1	F-3	S26.2	B	Residential 2.5 acre lots	56	36	76	0.75	0.70	0.63	0.51	0.33	0.21		0.90	0.30	0.57	0.95	1.13				
	3.0	F-3	S26.2	D	Residential 2.5 acre lots	75	57	91	1.83	1.76	1.65	1.47	1.14	0.79		0.90	0.20	0.81	1.35	1.62				
	5.9	F-3	S26.2	D	Commercial	75	57	91	5.45	5.42	5.37	5.28	5.09	4.83		0.10	0.20	0.18	0.30	0.35				
	7.7	F-3	S26.2	C	Commercial	69	50	86	7.04	7.00	6.93	6.81	6.57	6.24		0.10	0.25	0.23	0.39	0.46				
	13.6	F-3	S26.2	B	Commercial	56	36	76	12.19	12.11	11.99	11.79	11.39	10.89		0.10	0.30	0.41	0.68	0.82				
	3.8	F-4	S26.2	B	Commercial	56	36	76	3.41	3.38	3.35	3.29	3.18	3.04		0.10	0.30	0.11	0.19	0.23				
	0.6	F-4	S26.2	C	Commercial	69	50	86	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.25	0.02	0.03	0.04				
	0.1	F-4	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	2.4	F-4	S26.2	B	Residential 2.5 acre lots	56	36	76	0.86	0.80	0.71	0.58	0.38	0.24		0.90	0.30	0.65	1.08	1.30				
	2.2	F-4	S26.2	C	Residential 2.5 acre lots	69	50	86	1.16	1.10	1.02	0.88	0.65	0.41		0.90	0.25	0.59	0.99	1.19				
	0.3	F-4	S26.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.18	0.17	0.15	0.11	0.08		0.90	0.20	0.08	0.14	0.16				
	12.3	F-5	S26.2	A	Commercial	32	17	52	10.70	10.65	10.58	10.46	10.21	9.83		0.10	0.40	0.37	0.62	0.74				
	26.8	F-5	S26.2	B	Commercial	56	36	76	24.02	23.86	23.64	23.23	22.45	21.46		0.10	0.30	0.80	1.34	1.61				
	2.0	F-5	S26.2	C	Commercial	69	50	86	1.83	1.82	1.80	1.77	1.71	1.62		0.10	0.25	0.06	0.10	0.12				
	2.7	F-5	S26.2	A	Residential 2.5 acre lots	32	17	52	0.34	0.31	0.28	0.26	0.25	0.24		0.90	0.40	0.73	1.22	1.46				
	0.6	F-5	S26.2	B	Residential 2.5 acre lots	56	36	76	0.29	0.27	0.24	0.19	0.13	0.08		0.90	0.30	0.22	0.36	0.43				
	2.1	F-5	S26.2	C	Residential 2.5 acre lots	69	50	86	1.11	1.05	0.97	0.84	0.62	0.40		0.90	0.25	0.57	0.95	1.13				
	8.0	F-5	S26.2	A	Water	98	95	100	7.71	7.68	7.64	7.56	7.38	7.11		0.00	0.40	0.00	0.00	0.00				
	0.1	OF-1	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	0.5	OF-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.32	0.31	0.14	0.08	0.03		1.00	0.20	0.15	0.25	0.30				
	1.0	OF-1	S26.2	D	Open Brush, Fair	83	67	96	0.70	0.68	0.65	0.31	0.20	0.09		1.00	0.20	0.30	0.50	0.60				
	0.6	OF-10	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.34	0.33	0.30	0.10	0.05	0.01		1.00	0.25	0.18	0.30	0.36				
	0.1	OF-11	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05				
	0.4	OF-11	S26.2	C	Commercial	69	50	86	0.37	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02				
	0.3	OF-11	S26.2	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18				
	4.3	OF-11	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.46	2.34	2.18	0.75	0.35	0.07		1.00	0.25	1.29	2.15	2.58				
	0.1	OF-13	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	1.1	OF-13	S26.2	C	Open Brush, Fair	77	59	92	0.66	0.64	0.59	0.22	0.12	0.03		1.00	0.25	0.33	0.55	0.66				
	0.1	OF-14	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.8	OF-14	S26.2	B	Woodland, Grass, Fair	65	45	83	0.33	0.31	0.28	0.05	0.01	0.00		1.00	0.30	0.24	0.40	0.48				
	1.1	OF-14	S26.2	B	Open Brush, Fair	66	46	84	0.48	0.44	0.40	0.07	0.01	0.00		1.00	0.30	0.33	0.55	0.66				
	1.5	OF-14	S26.2	C	Woodland, Grass, Fair	77	59	92	0.90	0.87														

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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	100								
						AMC			P ₂₄ (Inches)														
						II	I	III															

	0.9	OF-8	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.43	0.40	0.37	0.09	0.03	0.00		1.00	0.30	0.27	0.45	0.54	
	3.8	OF-8	S26.2	D	Open Brush, Fair	83	67	96	2.66	2.58	2.47	1.19	0.75	0.35		1.00	0.20	1.14	1.90	2.28	
	4.2	OF-8	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.81	2.71	2.57	1.14	0.68	0.27		1.00	0.20	1.26	2.10	2.52	
	5.1	OF-8	S26.2	C	Woodland, Grass, Fair	77	59	92	3.08	2.94	2.76	1.04	0.54	0.14		1.00	0.25	1.53	2.55	3.06	
	7.0	OF-8	S26.2	C	Open Brush, Fair	77	59	92	4.22	4.04	3.79	1.43	0.73	0.20		1.00	0.25	2.10	3.50	4.20	
	12.0	OF-8	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	6.85	6.53	6.08	2.10	0.98	0.19		1.00	0.25	3.60	6.00	7.20	
	0.5	OF-9	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.36	0.35	0.33	0.17	0.11	0.05		1.00	0.20	0.15	0.25	0.30	
	0.7	OF-9	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.27	0.25	0.22	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42	
	2.3	OF-9	S26.2	C	Woodland, Grass, Fair	77	59	92	1.39	1.33	1.24	0.47	0.24	0.06		1.00	0.25	0.69	1.15	1.38	
	2.4	OF-9	S26.2	B	Open Brush, Fair	66	46	84	1.04	0.97	0.87	0.16	0.03	0.00		1.00	0.30	0.72	1.20	1.44	
	2.5	OF-9	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.20	1.12	1.02	0.24	0.07	0.00		1.00	0.30	0.75	1.25	1.50	
	3.2	OF-9	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	2.03	1.95	1.84	0.75	0.42	0.14		1.00	0.25	0.96	1.60	1.92	
	7.4	OF-9	S26.2	D	Woodland, Grass, Fair	82	66	95	5.07	4.90	4.66	2.16	1.32	0.57		1.00	0.20	2.22	3.70	4.44	
	12.4	OF-9	S26.2	C	Open Brush, Fair	77	59	92	7.48	7.16	6.71	2.53	1.30	0.35		1.00	0.25	3.72	6.20	7.44	
	28.2	OF-9	S26.2	D	Open Brush, Fair	83	67	96	19.77	19.17	18.30	8.81	5.58	2.57		1.00	0.20	8.46	14.10	16.92	
	31.4	OF-9	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	20.98	20.26	19.22	8.52	5.06	2.02		1.00	0.20	9.42	15.70	18.84	
	42.4	OF-9	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	24.21	23.08	21.48	7.40	3.48	0.68		1.00	0.25	12.72	21.20	25.44	
	0.8	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.48	0.46	0.43	0.16	0.08	0.02		1.00	0.25	0.24	0.40	0.48	
	2.9	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.75	1.67	1.57	0.59	0.30	0.08		1.00	0.25	0.87	1.45	1.74	
	14.8	O-3	S26.3	C	Open Brush, Fair	77	59	92	8.92	8.55	8.00	3.02	1.55	0.42		1.00	0.25	4.44	7.40	8.88	
	0.2	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.90	0.25	0.05	0.09	0.11	
	0.1	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	11.7	O-4	S26.3	C	Open Brush, Fair	77	59	92	7.05	6.76	6.33	2.39	1.23	0.33		1.00	0.25	3.51	5.85	7.02	
	1.9	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	1.00	0.95	0.88	0.76	0.56	0.36		0.90	0.25	0.51	0.86	1.03	
	0.1	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06	
	0.3	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.13	0.12	0.11	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18	
	2.3	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.83	0.77	0.68	0.55	0.36	0.23		0.90	0.30	0.62	1.04	1.24	
	0.6	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.25	0.23	0.21	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36	
	1	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.57	0.54	0.51	0.17	0.08	0.02		1.00	0.25	0.30	0.50	0.60	
	8.2	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.94	4.73	4.44	1.67	0.86	0.23		1.00	0.25	2.46	4.10	4.92	
	6.2	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	3.27	3.10	2.87	2.48	1.82	1.17		0.90	0.25	1.67	2.79	3.35	
	0.20	26.3-1	S26.3	A	Open Brush, Fair	46	28	66	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12	
	0.20	26.3-1	S26.3	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	0.50	26.3-1	S26.3	B	Woodland, Grass, Fair	65	45	83	0.21	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30	
	0.90	26.3-1	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.51	0.49	0.46	0.16	0.07	0.01		1.00	0.25	0.27	0.45	0.54	
	0.50	26.3-1	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.25	0.15	0.25	0.30	
	11.50	26.3-1	S26.3	C	Open Brush, Fair	77	59	92	6.93	6.64	6.22	2.35	1.21	0.32		1.00	0.25	3.45	5.75	6.90	
	0.30	26.3-1	S26.3	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	0.20	26.3-2	S26.3	C	Woodland, Grass, Fair	77	59	92	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.25	0.06	0.10	0.12	
	1.30	26.3-2	S26.3	C	Open Brush, Fair	77	59	92	0.78	0.75	0.70	0.27	0.14	0.04		1.00	0.25	0.39	0.65	0.78	
	1.3	26.3-2	S26.3	A	Public Park	32	17	52	0.22	0.21	0.20	0.18	0.18	0.17		0.85	0.40	0.33	0.55	0.66	
	1.4	26.3-2	S26.3	A	Commercial, Industrial	32	17	52	1.22	1.21	1.20	1.19	1.16	1.12		0.10	0.40	0.04	0.07	0.08	
	1.7	26.3-2	S26.3	A	Residential 2.5 acre lots	32	17	52	0.21	0.20	0.18	0.16	0.16	0.15		0.90	0.40	0.46	0.77	0.92	
	12.4	26.3-2	S26.3	A	Open Brush, Fair	46	28	66	2.07	1.76	1.37	0.00	0.00	0.00		1.00	0.40	3.72	6.20	7.44	
	26.9	26.3-2	S26.3	A	Woodland, Grass, Fair	44	26	64	3.88	3.25	2.45	0.00	0.00	0.00		1.00	0.40	8.07	13.45	16.14	
	0.5	26.3-3	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.32	0.31	0.14	0.08	0.03		1.00	0.20	0.15	0.25	0.30	
	0.4	26.3-3	S26.3	B	Woodland, Grass, Fair	65	45	83	0.17	0.16	0.14	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24	
	0.4	26.3-3	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.23	0.22	0.20	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24	
	0.6	26.3-3	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.38	0.37	0.35	0.14	0.08	0.03		1.00	0.25	0.18	0.30	0.36	
	0.7	26.3-3	S26.3	C	Public Park	69	50	86	0.39	0.37	0.34	0.30	0.23	0.16		0.85	0.25	0.18	0.30	0.36	
	0.7	26.3-3	S26.3	D	Chaparral, Narrowleaf, Fair	86	72	97	0.53	0.51	0.49	0.27	0.18	0.10		1.00	0.20	0.21	0.35	0.42	
	1.0	26.3-3	S26.3	D	Open Brush, Fair	83	67	96	0.70	0.68	0.65	0.31	0.20	0.09		1.00	0.20	0.30	0.50	0.60	
	1.2	26.3-3	S26.3	A	Open Brush, Fair	46	28	66	0.20	0.17	0.13	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72	
	1.7	26.3-3	S26.3	D	Residential 2.5 acre lots	75	57	91	1.04	1.00	0.94	0.83	0.65	0.45		0.90	0.20	0.46	0.77	0.92	
	1.9	26.3-3	S26.3	C	Open Brush, Fair	77	59	92	1.15	1.10	1.03	0.39	0.20	0.05		1.00	0.25	0.57	0.95	1.14	
	2.1	26.3-3	S26.3	C	Residential 2.5 acre lots	69	50	86	1.11	1.05	0.97	0.84	0.62	0.40		0.90	0.25	0.57	0.95	1.13	
	2.9	26.3-3	S26.3	C	Chaparral, Narrowleaf, Fair	81	64	95	1.94	1.87	1.77	0.79	0.47	0.19		1.00	0.25	0.87	1.45	1.74	
	5.6	26.3-3	S26.3	C	Woodland, Grass, Fair	77	59	92	3.38	3.23	3.03	1.14	0.59	0.16		1.00	0.25	1.68	2.80	3.36	
	9.0	26.3-3	S26.3	A	Woodland, Grass, Fair	44	26	64	1.30	1.09	0.82	0.00	0.00	0.00		1.00	0.40	2.70	4.50	5.40	
	0.5	26.3-5	S26.3	B	Row Crops, Poor	81	64	95	0.33	0.32	0.31	0.14	0.08	0.03		1.00	0.30	0.15	0.25	0.30	
	0.7	26.3-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.29	0.27	0.24	0.04	0.01	0.00		1.00	0.30	0.21	0.35	0.42	
	1.3	26.3-5	S26.3	D	Public Park	75	57	91	0.82	0.79	0.75	0.67	0.53	0.39		0.85	0.20	0.33	0.55	0.66	
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12606 (Node 126)

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									
									100	50	25	10	5		2	100							
						P ₂₄ (Inches)			AMC 1/AMCII					5.63									
						II	I	III															
	0.4	26.3-6	S26.3	D	Public Park	75	57	91	0.25	0.24	0.23	0.21	0.16	0.12		0.85	0.20	0.10	0.17	0.20			
	0.6	26.3-6	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.40	0.39	0.37	0.16	0.10	0.04		1.00	0.20	0.18	0.30	0.36			
	1.1	26.3-6	S26.3	A	Commercial, Industrial	32	17	52	0.96	0.95	0.95	0.94	0.91	0.88		0.10	0.40	0.03	0.06	0.07			
	0.8	26.3-6	S26.3	A	Public Park	32	17	52	0.14	0.13	0.12	0.11	0.11	0.11		0.85	0.40	0.20	0.34	0.41			
	0.8	26.3-6	S26.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.17	0.15	0.12	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48			
	0.9	26.3-6	S26.3	B	Woodland, Grass, Fair	65	45	83	0.38	0.35	0.31	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54			
	1.5	26.3-6	S26.3	A	Row Crops, Poor	72	53	89	0.79	0.74	0.69	0.20	0.08	0.01		1.00	0.40	0.45	0.75	0.90			
	1.6	26.3-6	S26.3	C	Open Brush, Fair	77	59	92	0.96	0.92	0.87	0.33	0.17	0.05		1.00	0.25	0.48	0.80	0.96			
	1.8	26.3-6	S26.3	D	Open Brush, Fair	83	67	96	1.26	1.22	1.17	0.56	0.36	0.16		1.00	0.20	0.54	0.90	1.08			
	1.9	26.3-6	S26.3	C	Woodland, Grass, Fair	77	59	92	1.15	1.10	1.03	0.39	0.20	0.05		1.00	0.25	0.57	0.95	1.14			
	3.3	26.3-6	S26.3	B	Open Brush, Fair	66	46	84	1.43	1.33	1.20	0.22	0.04	0.00		1.00	0.30	0.99	1.65	1.98			
	3.7	26.3-6	S26.3	C	Public Park	69	50	86	2.04	1.95	1.82	1.59	1.21	0.84		0.85	0.25	0.94	1.57	1.89			
	3.9	26.3-6	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	2.23	2.12	1.98	0.68	0.32	0.06		1.00	0.25	1.17	1.95	2.34			
	5.9	26.3-6	S26.3	B	Public Park	56	36	76	2.32	2.17	1.97	1.65	1.18	0.85		0.85	0.30	1.50	2.51	3.01			
	9.1	26.3-6	S26.3	A	Woodland, Grass, Fair	44	26	64	1.31	1.10	0.83	0.00	0.00	0.00		1.00	0.40	2.73	4.55	5.46			
	20.6	26.3-6	S26.3	A	Open Brush, Fair	46	28	66	3.44	2.93	2.28	0.00	0.00	0.00		1.00	0.40	6.18	10.30	12.36			
	50438.7								0.378	0.401	0.434	0.747	0.845	0.930	1.000		F _m =	0.297	0.495	0.594	0.000		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCI					5.63									
	9.71		S1	A	Chaparral, Broadleaf, Fair	40	23	60	0.96	0.77	0.53	0.00	0.00	0.00	2.91	1.00	0.40	2.91	4.86	5.83	3.89		
	73.91		S1	B	Chaparral, Broadleaf, Fair	63	43	81	28.49	26.31	23.27	2.96	0.19	0.00		1.00	0.30	22.17	36.95	44.34			
	1029.81		S1	C	Chaparral, Broadleaf, Fair	75	57	91	584.33	556.95	517.37	176.33	82.21	14.93		1.00	0.25	308.94	514.91	617.89			
	758.05		S1	D	Chaparral, Broadleaf, Fair	81	64	95	503.99	486.61	461.06	202.77	120.02	46.47		1.00	0.20	227.41	379.02	454.83			
	52.00		S1	C	Fallow	91	80	98	43.49	42.80	41.77	27.29	21.28	14.33		1.00	0.25	15.60	26.00	31.20			
	2.73		S1	D	Fallow	94	85	99	2.43	2.40	2.36	1.73	1.45	1.09		1.00	0.20	0.82	1.36	1.64			
	54.84		S1	B	Woodland, Fair	60	40	79	18.80	17.19	14.97	1.22	0.00	0.00		1.00	0.30	16.45	27.42	32.90			
	58.35		S1	C	Woodland, Fair	73	55	89	31.27	29.67	27.36	8.39	3.49	0.36		1.00	0.25	17.51	29.18	35.01			
	1.95		S1	D	Woodland, Fair	79	62	93	1.23	1.19	1.12	0.45	0.25	0.08		1.00	0.20	0.59	0.98	1.17			
	48.35		S1	B	Woodland, Poor	66	46	84	20.75	19.34	17.34	3.07	0.54	0.00		1.00	0.30	14.50	24.17	29.01			
	44.42		S1	C	Woodland, Poor	77	59	92	26.62	25.49	23.84	8.91	4.55	1.16		1.00	0.25	13.32	22.21	26.65			
	95.06		S2	B	Chaparral, Broadleaf, Fair	63	43	81	36.64	33.84	29.93	3.81	0.24	0.00		1.00	0.30	28.52	47.53	57.04			
	1437.77		S2	C	Chaparral, Broadleaf, Fair	75	57	91	815.81	777.58	722.32	246.18	114.78	20.85		1.00	0.25	431.33	718.88	862.66			
	107.72		S2	D	Chaparral, Broadleaf, Fair	81	64	95	71.62	69.15	65.52	28.81	17.05	6.60		1.00	0.20	32.32	53.86	64.63			
	15.50		S2	B	Woodland, Fair	60	40	79	5.31	4.86	4.23	0.35	0.00	0.00		1.00	0.30	4.65	7.75	9.30			
	94.17		S2	C	Woodland, Fair	73	55	89	50.46	47.87	44.16	13.54	5.63	0.59		1.00	0.25	28.25	47.08	56.50			
	35.70		S2	B	Woodland, Grass, Fair	65	45	83	14.80	13.75	12.28	1.94	0.26	0.00		1.00	0.30	10.71	17.85	21.42			
	55.19		S2	C	Woodland, Grass, Fair	77	59	92	33.09	31.68	29.63	11.07	5.66	1.44		1.00	0.25	16.56	27.60	33.12			
	5.90		S3	A	Chaparral, Broadleaf, Fair	40	23	60	0.58	0.47	0.32	0.00	0.00	0.00		1.00	0.40	1.77	2.95	3.54			
	13.63		S3	B	Chaparral, Broadleaf, Fair	63	43	81	5.25	4.85	4.29	0.55	0.03	0.00		1.00	0.30	4.09	6.81	8.18			
	754.34		S3	C	Chaparral, Broadleaf, Fair	75	57	91	428.02	407.97	378.97	129.16	60.22	10.94		1.00	0.25	226.30	377.17	452.60			
	737.55		S3	D	Chaparral, Broadleaf, Fair	81	64	95	490.37	473.46	448.59	197.29	116.77	45.21		1.00	0.20	221.27	368.78	442.53			
	322.55		S3	C	Chaparral, Narrowleaf, Fair	81	64	95	214.45	207.05	196.18	86.28	51.07	19.77		1.00	0.25	96.76	161.27	193.53			
	642.13		S3	D	Chaparral, Narrowleaf, Fair	86	72	97	481.07	469.09	451.23	242.70	166.75	89.50		1.00	0.20	192.64	321.07	385.28			
	4.47		S3	C	Commercial, Industrial	69	50	86	4.09	4.06	4.02	3.95	3.81	3.62		0.10	0.25	0.13	0.22	0.27			
	8.45		S3	C	Grass, Annual or Perennial, Fair	79	62	93	5.34	5.14	4.84	1.96	1.08	0.35		1.00	0.25	2.54	4.23	5.07			
	0.97		S3	D	Grass, Annual or Perennial, Fair	84	69	96	0.69	0.68	0.65	0.32	0.21	0.10		1.00	0.20	0.29	0.49	0.58			
	9.81		S3	D	Open Brush, Fair	83	67	96	6.85	6.64	6.33	3.03	1.91	0.86		1.00	0.20	2.94	4.91	5.89			
	4.08		S3	B	Public Park	56	36	76	1.59	1.49	1.35	1.13	0.81	0.58		0.85	0.30	1.04	1.74	2.08			
	47.90		S3	C	Public Park	69	50	86	26.22	25.03	23.33	20.47	15.59	10.73		0.85	0.25	12.21	20.36	24.43			
	0.38		S3	C	Residential 1 acre lots	69	50	86	0.22	0.21	0.19	0.17	0.14	0.10		0.80	0.25	0.09	0.15	0.18			
	0.21		S3	D	Woodland, Fair	79	62	93	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12			
	2.60		S3	A	Woodland, Grass, Fair	44	26	64	0.37	0.31	0.23	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56			
	60.94		S3	B	Woodland, Grass, Fair	65	45	83	25.26	23.47	20.95	3.31	0.44	0.00		1.00	0.30	18.28	30.47	36.56			
	155.04		S3	C	Woodland, Grass, Fair	77	59	92	92.94	88.98	83.22	31.09	15.90	4.05		1.00	0.25	46.51	77.52	93.02			
	90.19		S3	D	Woodland, Grass, Fair	82	66	95	61.47	59.47	56.52	25.95	15.88	6.66		1.00	0.20	27.06	45.10	54.12			
	41.60		S4	A	Chaparral, Broadleaf, Fair	40	23	60	4.11	3.28	2.25	0.00	0.00	0.00		1.00	0.40	12.48	20.80	24.96			
	47.53		S4	B	Chaparral, Broadleaf, Fair	63	43	81	18.32	16.92	14.96	1.91	0.12	0.00		1.00	0.30	14.26	23.77	28.52			
	998.31		S4	C	Chaparral, Broadleaf, Fair	75	57	91	566.46	539.91	501.54	170.94	79.70	14.48		1.00	0.25	299.49	499.16	598.99			
	181.26		S4	D	Chaparral, Broadleaf, Fair	81	64	95	120.51	116.35	110.24	48.48	28.70	11.11		1.00	0.20	54.38	90.63	108.75			
	71.49		S4	C	Chaparral, Narrowleaf, Fair	81	64	95	47.53	45.89	43.48	19.12	11.32	4.38		1.00	0.25	21.45	35.74	42.89			
	0.93		S4	D	Chaparral, Narrowleaf, Fair	86	72	97	0.69	0.68	0.65	0.35	0.24	0.13		1.00	0.20	0.28	0.46	0.56			
	25.40		S4	B	Fallow	86	72	97	19.03	18.56	17.85	9.60	6.60	3.54		1.00	0.30	7.62	12.70	15.24			
	60.60		S4	C	Fallow	91	80	98	50.68	49.88	48.68	31.81	24.80	16.70		1.00	0.25	18.18	30.30	36.36			
	0.09		S4	D	Fallow	94	85	99	0.08	0.08	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.05			
	11.02		S4	B	Woodland, Fair	60	40	79	3.78	3.46	3.01	0.25	0.00	0.00		1.00	0.30	3.31	5.51	6.61			
	24.63		S4	C	Woodland, Fair	73	55	89	13.20	12.52	11.55	3.54	1.47	0.15		1.00	0.25	7.39	12.31	14.78			
	0.76		S4	B	Woodland, Poor	66	46	84	0.33	0.30	0.27	0.05	0.01	0.00		1.00	0.30	0.23	0.38	0.45			
	8.00		S4	C	Woodland, Poor	77	59	92	4.79	4.59	4.29	1.60	0.82	0.21		1.00	0.25	2.40	4.00	4.80			
	3.22		S5	B	Chaparral, Broadleaf, Fair	63	43	81	1.24	1.15	1.02	0.13	0.01	0.00		1.00	0.30	0.97	1.61	1.93			
	43.68		S5	C	Chaparral, Broadleaf, Fair	75	57	91	24.79	23.62	21.95	7.48	3.49	0.63		1.00	0.25	13.10	21.84	26.21			
	204.58		S5	D	Chaparral, Broadleaf, Fair	81	64	95	136.02	131.33	124.43	54.72	32.39	12.54		1.00	0.20	61.37	102.29	122.75			
	9.30		S5	B	Chaparral, Narrowleaf, Fair	72	53	89	4.84	4.58	4.21	1.22	0.47	0.03		1.00	0.30	2.79	4.65	5.58			
	283.71		S5	C	Chaparral, Narrowleaf, Fair	81	64	95	188.63	182.12	172.56	75.89	44.92	17.39		1.00	0.25	85.11	141.85	170.23			
	334.67		S5	D	Chaparral, Narrowleaf, Fair	86	72	97	250.72	244.48	235.17	126.49	86.91	46.65		1.00	0.20	100.40	167.33	200.80			
	3.04		S5	C	Residential 1 acre lots	69	50	86	1.74	1.67	1.57	1.39	1.10	0.80		0.80	0.25	0.73	1.22	1.46			
	10.47		S5	B	Woodland, Grass, Fair	65	45	83	4.34	4.03	3.60	0.57	0.08	0.00		1.00	0.30	3.14	5.24	6.28			
	4.29		S5	C	Woodland, Grass, Fair	77	59	92	2.57	2.46	2.30	0.86	0.44	0.11		1.00	0.25	1.29	2.15	2.58			
	21.26		S5	D	Woodland, Grass, Fair	82	66	95	14.49	14.02	13.32	6.12	3.74	1.57		1.00	0.20	6.38	10.63	12.76			
	20.32		S6	A	Chaparral, Broadleaf, Fair	40	23	60	2.01	1.60	1.10	0.00	0.00	0.00		1.00	0.40	6.10	10.16	12.19			
	479.80		S6	C	Chaparral, Broadleaf, Fair	75	57	91	272.25	259.49	241.05	82.15	38.31	6.96		1.00	0.25	143.94	239.90	287.88			

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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							
								EV						100							
								100	50	25	10	5	2	100							
								AMC		P ₂₄ (Inches)							5.63				
II	I	III	AMC 1/AMCII																		
	154.64		S7	C	Chaparral, Broadleaf, Fair	75	57	91	87.75	83.64	77.69	26.48	12.35	2.24	1.00	0.25	46.39	77.32	92.79		
	650.67		S7	D	Chaparral, Broadleaf, Fair	81	64	95	432.60	417.68	395.74	174.05	103.02	39.88	1.00	0.20	195.20	325.33	390.40		
	1.62		S7	A	Chaparral, Narrowleaf, Fair	55	35	75	0.45	0.40	0.34	0.01	0.00	0.00	1.00	0.40	0.49	0.81	0.97		
	1.83		S7	B	Chaparral, Narrowleaf, Fair	72	53	89	0.95	0.90	0.83	0.24	0.09	0.01	1.00	0.30	0.55	0.92	1.10		
	119.57		S7	C	Chaparral, Narrowleaf, Fair	81	64	95	79.49	76.75	72.72	31.98	18.93	7.33	1.00	0.25	35.87	59.78	71.74		
	705.90		S7	D	Chaparral, Narrowleaf, Fair	86	72	97	528.84	515.68	496.04	266.80	183.31	98.39	1.00	0.20	211.77	352.95	423.54		
	6.15		S7	C	Grass, Annual or Perennial, Fair	79	62	93	3.89	3.74	3.52	1.43	0.79	0.25	1.00	0.25	1.85	3.08	3.69		
	8.08		S7	D	Grass, Annual or Perennial, Fair	84	69	96	5.78	5.61	5.37	2.67	1.73	0.83	1.00	0.20	2.42	4.04	4.85		
	15.59		S7	C	Open Brush, Fair	77	59	92	9.34	8.94	8.37	3.13	1.60	0.41	1.00	0.25	4.68	7.79	9.35		
	77.13		S7	D	Open Brush, Fair	83	67	96	53.86	52.21	49.77	23.79	15.02	6.76	1.00	0.20	23.14	38.56	46.28		
	2.83		S7	C	Public Park	69	50	86	1.55	1.48	1.38	1.21	0.92	0.63	0.85	0.25	0.72	1.20	1.44		
	4.53		S7	C	Residential 1 acre lots	69	50	86	2.59	2.48	2.33	2.07	1.63	1.19	0.80	0.25	1.09	1.81	2.17		
	23.54		S7	C	School	69	50	86	15.77	15.33	14.70	13.64	11.79	9.86	0.60	0.25	4.24	7.06	8.48		
	0.65		S7	D	School	75	57	91	0.47	0.46	0.45	0.42	0.37	0.31	0.60	0.20	0.12	0.20	0.24		
	10.99		S7	A	Woodland, Grass, Fair	44	26	64	1.55	1.29	0.97	0.00	0.00	0.00	1.00	0.40	3.30	5.50	6.59		
	27.31		S7	B	Woodland, Grass, Fair	65	45	83	11.32	10.52	9.39	1.48	0.20	0.00	1.00	0.30	8.19	13.66	16.39		
	66.03		S7	C	Woodland, Grass, Fair	77	59	92	39.58	37.89	35.44	13.24	6.77	1.73	1.00	0.25	19.81	33.01	39.62		
	83.68		S7	D	Woodland, Grass, Fair	82	66	95	57.03	55.17	52.44	24.07	14.73	6.18	1.00	0.20	25.10	41.84	50.21		
	2.17		S8	A	Chaparral, Broadleaf, Fair	40	23	60	0.21	0.17	0.12	0.00	0.00	0.00	1.00	0.40	0.65	1.08	1.30		
	62.77		S8	C	Chaparral, Broadleaf, Fair	75	57	91	35.62	33.95	31.54	10.75	5.01	0.91	1.00	0.25	18.83	31.39	37.66		
	828.83		S8	D	Chaparral, Broadleaf, Fair	81	64	95	551.05	532.05	504.10	221.70	131.22	50.80	1.00	0.20	248.65	414.41	497.30		
	4.58		S8	A	Chaparral, Narrowleaf, Fair	55	35	75	1.26	1.13	0.95	0.02	0.00	0.00	1.00	0.40	1.37	2.29	2.75		
	473.80		S8	C	Chaparral, Narrowleaf, Fair	81	64	95	315.01	304.15	288.17	126.74	75.01	29.04	1.00	0.25	142.14	236.90	284.28		
	380.43		S8	D	Chaparral, Narrowleaf, Fair	86	72	97	285.01	277.91	267.33	143.78	98.79	53.02	1.00	0.20	114.13	190.21	228.26		
	9.56		S8	A	Open Brush, Fair	46	28	66	1.56	1.33	1.03	0.00	0.00	0.00	1.00	0.40	2.87	4.78	5.74		
	98.44		S8	C	Open Brush, Fair	77	59	92	59.01	56.49	52.84	19.74	10.09	2.57	1.00	0.25	29.53	49.22	59.06		
	318.26		S8	D	Open Brush, Fair	83	67	96	222.22	215.43	205.37	98.17	61.96	27.89	1.00	0.20	95.48	159.13	190.95		
	14.99		S8	A	Woodland, Grass, Fair	44	26	64	2.11	1.77	1.32	0.00	0.00	0.00	1.00	0.40	4.50	7.50	9.00		
	21.60		S8	C	Woodland, Grass, Fair	77	59	92	12.95	12.40	11.59	4.33	2.21	0.56	1.00	0.25	6.48	10.80	12.96		
	53.83		S8	D	Woodland, Grass, Fair	82	66	95	36.68	35.49	33.73	15.48	9.48	3.97	1.00	0.20	16.15	26.91	32.30		
	0.97		S9	A	Chaparral, Broadleaf, Fair	40	23	60	0.10	0.08	0.05	0.00	0.00	0.00	1.00	0.40	0.29	0.48	0.58		
	5.45		S9	B	Chaparral, Broadleaf, Fair	63	43	81	2.10	1.94	1.71	0.22	0.01	0.00	1.00	0.30	1.63	2.72	3.27		
	476.00		S9	C	Chaparral, Broadleaf, Fair	75	57	91	270.09	257.43	239.14	81.50	38.00	6.90	1.00	0.25	142.80	238.00	285.60		
	240.06		S9	D	Chaparral, Broadleaf, Fair	81	64	95	159.60	154.10	146.01	64.21	38.01	14.71	1.00	0.20	72.02	120.03	144.03		
	1.16		S9	B	Chaparral, Narrowleaf, Fair	72	53	89	0.60	0.57	0.52	0.15	0.06	0.00	1.00	0.30	0.35	0.58	0.69		
	602.70		S9	C	Chaparral, Narrowleaf, Fair	81	64	95	400.71	386.89	366.57	161.22	95.42	36.94	1.00	0.25	180.81	301.35	361.62		
	212.84		S9	D	Chaparral, Narrowleaf, Fair	86	72	97	159.45	155.48	149.56	80.44	55.27	29.67	1.00	0.20	63.85	106.42	127.70		
	0.26		S9	A	Open Brush, Fair	46	28	66	0.04	0.04	0.03	0.00	0.00	0.00	1.00	0.40	0.08	0.13	0.16		
	0.06		S9	B	Open Brush, Fair	66	46	84	0.02	0.02	0.02	0.00	0.00	0.00	1.00	0.30	0.02	0.03	0.03		
	118.82		S9	C	Open Brush, Fair	77	59	92	71.23	68.19	63.78	23.83	12.18	3.11	1.00	0.25	35.65	59.41	71.29		
	74.36		S9	D	Open Brush, Fair	83	67	96	51.92	50.33	47.98	22.94	14.48	6.51	1.00	0.20	22.31	37.18	44.61		
	6.82		S9	D	Open Brush, Good	81	64	95	4.54	4.38	4.15	1.83	1.08	0.42	1.00	0.20	2.05	3.41	4.09		
	6.34		S9	A	Woodland, Grass, Fair	44	26	64	0.89	0.75	0.56	0.00	0.00	0.00	1.00	0.40	1.90	3.17	3.81		
	12.90		S9	B	Woodland, Grass, Fair	65	45	83	5.35	4.97	4.44	0.70	0.09	0.00	1.00	0.30	3.87	6.45	7.74		
	52.70		S9	C	Woodland, Grass, Fair	77	59	92	31.59	30.24	28.29	10.57	5.40	1.38	1.00	0.25	15.81	26.35	31.62		
	16.07		S9	D	Woodland, Grass, Fair	82	66	95	10.95	10.60	10.07	4.62	2.83	1.19	1.00	0.20	4.82	8.04	9.64		
	65.47		S10	A	Chaparral, Broadleaf, Fair	40	23	60	6.48	5.17	3.54	0.00	0.00	0.00	1.00	0.40	19.64	32.74	39.28		
	1.23		S10	B	Chaparral, Broadleaf, Fair	63	43	81	0.47	0.44	0.39	0.05	0.00	0.00	1.00	0.30	0.37	0.61	0.74		
	0.16		S10	C	Chaparral, Broadleaf, Fair	75	57	91	0.09	0.09	0.08	0.03	0.01	0.00	1.00	0.25	0.05	0.08	0.10		
	247.92		S10	D	Chaparral, Broadleaf, Fair	81	64	95	164.83	159.15	150.79	66.32	39.25	15.20	1.00	0.20	74.38	123.96	148.75		
	0.16		S10	A	Chaparral, Narrowleaf, Fair	55	35	75	0.04	0.04	0.03	0.00	0.00	0.00	1.00	0.40	0.05	0.08	0.09		
	0.11		S10	C	Chaparral, Narrowleaf, Fair	81	64	95	0.08	0.07	0.07	0.03	0.02	0.01	1.00	0.25	0.03	0.06	0.07		
	65.21		S10	D	Chaparral, Narrowleaf, Fair	86	72	97	48.85	47.64	45.82	24.65	16.93	9.09	1.00	0.20	19.56	32.60	39.13		
	5.06		S10	A	Open Brush, Fair	46	28	66	0.83	0.70	0.54	0.00	0.00	0.00	1.00	0.40	1.52	2.53	3.04		
	105.84		S10	D	Open Brush, Fair	83	67	96	73.90	71.84	68.30	32.65	20.61	9.27	1.00	0.20	31.75	52.92	63.51		
	2.32		S10	A	Open Brush, Good	41	24	61	0.25	0.20	0.14	0.00	0.00	0.00	1.00	0.40	0.70	1.16	1.39		
	0.27		S10	B	Open Brush, Good	63	43	81	0.11	0.10	0.09	0.01	0.00	0.00	1.00	0.30	0.08	0.14	0.16		
	155.88		S10	C	Open Brush, Good	75	57	91	88.45	84.31	78.31	26.69	12.44	2.26	1.00	0.25	46.76	77.94	93.53		
	158.20		S10	D	Open Brush, Good	81	64	95	105.18	101.55	96.22	42.32	25.05	9.70	1.00	0.20	47.46	79.10	94.92		
	0.39		S10	B	Public Park	56	36	76	0.15	0.14	0.13	0.11	0.08	0.06	0.85	0.30	0.10	0.16	0.20		
	9.13		S10	A	Residential 1 acre lots	32	17	52	1.99	1.90	1.80	1.72	1.68	1.62	0.80	0.40	2.19	3.65	4.38		
	9.22		S10	C	Residential 1 acre lots	69	50	86	5.27	5.05	4.74	4.22	3.32	2.42	0.80	0.25	2.21	3.69	4.42		
	2.19		S10	D	Residential 1 acre lots	75	57	91	1.42	1.37	1.30	1.18	0.96	0.72	0.80	0.20	0.53	0.88	1.05		
	42.63		S10	A	Woodland, Grass, Fair	44	26	64	6.00	5.02	3.76	0.00	0.00	0.00	1.00	0.40	12.79	21.31	25.58		
	7.03		S10	B	Woodland, Grass, Fair	65	45	83	2.92	2.71	2.42	0.38	0.05	0.00	1.00	0.30	2.11	3.52	4.22		
	3.27		S10	C	Woodland, Grass, Fair	77	59	92	1.96	1.88	1.76	0.66	0.34	0.09	1.00	0.25	0.98	1.64	1.96		
	52.18		S10	D	Woodland, Grass, Fair	82	66	95	35.56	34.40	32.70	15.01	9.18	3.85	1.00	0.20	15.65	26.09	31.31		
	5.11		S11	D	Barren	93	83	99	4.46	4.40	4.32	3.05	2.50	1.82	1.00	0.20	1.53	2.56	3.07		
	2.37		S11	C	Chaparral, Broadleaf, Fair	75	57	91	1.34	1.28	1.19	0.41	0.19	0.03	1.00	0.25	0.71	1.18	1.42		
	473.63		S11	D	Chaparral, Broadleaf, Fair	81	64	95	314.90	304.04	288.07	126.69	74.99	29.03	1.00	0.20	142.09	236.82	284.18		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	100											
						AMC			P ₂₄ (Inches)					AMC 1/AMCII		5.63							
						II	I	III															

	22.90		S11	C	Chaparral, Narrowleaf, Fair	81	64	95	15.23	14.70	13.93	6.13	3.63	1.40		1.00	0.25	6.87	11.45	13.74	
	683.24		S11	D	Chaparral, Narrowleaf, Fair	86	72	97	511.86	499.12	480.12	258.23	177.43	95.23		1.00	0.20	204.97	341.62	409.94	
	9.74		S11	B	Grass, Annual or Perennial, Fair	69	50	86	4.62	4.34	3.94	0.92	0.27	0.00		1.00	0.30	2.92	4.87	5.85	
	13.55		S11	C	Grass, Annual or Perennial, Fair	79	62	93	8.56	8.24	7.75	3.14	1.73	0.56		1.00	0.25	4.07	6.78	8.13	
	0.86		S11	D	Grass, Annual or Perennial, Fair	84	69	96	0.62	0.60	0.57	0.28	0.18	0.09		1.00	0.20	0.26	0.43	0.52	
	9.65		S11	C	Open Brush, Fair	77	59	92	5.78	5.54	5.18	1.93	0.99	0.25		1.00	0.25	2.89	4.82	5.79	
	112.49		S11	D	Open Brush, Fair	83	67	96	78.55	76.14	72.59	34.70	21.90	9.86		1.00	0.20	33.75	56.25	67.50	
	1.41		S11	B	Public Park	56	36	76	0.55	0.51	0.47	0.39	0.28	0.20		0.85	0.30	0.36	0.60	0.72	
	5.39		S11	C	Public Park	69	50	86	2.95	2.81	2.62	2.30	1.75	1.21		0.85	0.25	1.37	2.29	2.75	
	1.78		S11	D	Public Park	75	57	91	1.12	1.08	1.02	0.91	0.73	0.52		0.85	0.20	0.45	0.76	0.91	
	0.27		S11	C	Woodland, Fair	73	55	89	0.15	0.14	0.13	0.04	0.02	0.00		1.00	0.25	0.08	0.14	0.16	
	45.10		S11	D	Woodland, Fair	79	62	93	28.50	27.40	25.80	10.45	5.77	1.86		1.00	0.20	13.53	22.55	27.06	
	13.34		S11	B	Woodland, Grass, Fair	65	45	83	5.53	5.14	4.59	0.72	0.10	0.00		1.00	0.30	4.00	6.67	8.00	
	61.25		S11	C	Woodland, Grass, Fair	77	59	92	36.72	35.15	32.88	12.28	6.28	1.60		1.00	0.25	18.38	30.63	36.75	
	24.56		S11	D	Woodland, Grass, Fair	82	66	95	16.74	16.20	15.39	7.07	4.32	1.81		1.00	0.20	7.37	12.28	14.74	
	17.17		S12	A	Chaparral, Broadleaf, Fair	40	23	60	1.70	1.35	0.93	0.00	0.00	0.00		1.00	0.40	5.15	8.58	10.30	
	306.06		S12	C	Chaparral, Broadleaf, Fair	75	57	91	173.66	165.53	153.76	52.41	24.43	4.44		1.00	0.25	91.82	153.03	183.64	
	487.33		S12	D	Chaparral, Broadleaf, Fair	81	64	95	324.01	312.83	296.40	130.36	77.16	29.87		1.00	0.20	146.20	243.67	292.40	
	12.40		S12	A	Chaparral, Narrowleaf, Fair	55	35	75	3.41	3.06	2.58	0.04	0.00	0.00		1.00	0.40	3.72	6.20	7.44	
	68.72		S12	C	Chaparral, Narrowleaf, Fair	81	64	95	45.69	44.11	41.80	18.38	10.88	4.21		1.00	0.25	20.62	34.36	41.23	
	724.53		S12	D	Chaparral, Narrowleaf, Fair	86	72	97	542.80	529.29	509.13	273.84	188.15	100.99		1.00	0.20	217.36	362.26	434.72	
	7.07		S12	A	Open Brush, Fair	46	28	66	1.16	0.98	0.76	0.00	0.00	0.00		1.00	0.40	2.12	3.54	4.24	
	0.89		S12	C	Open Brush, Fair	77	59	92	0.53	0.51	0.48	0.18	0.09	0.02		1.00	0.25	0.27	0.45	0.53	
	407.66		S12	D	Open Brush, Fair	83	67	96	284.65	275.95	263.07	125.75	79.37	35.72		1.00	0.20	122.30	203.83	244.60	
	0.26		S12	C	Public Park	69	50	86	0.14	0.13	0.13	0.11	0.08	0.06		0.85	0.25	0.07	0.11	0.13	
	0.00		S12	D	Public Park	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.85	0.20	0.00	0.00	0.00	
	6.85		S12	A	Woodland, Grass, Fair	44	26	64	0.97	0.81	0.60	0.00	0.00	0.00		1.00	0.40	2.06	3.43	4.11	
	22.97		S12	B	Woodland, Grass, Fair	65	45	83	9.52	8.84	7.90	1.25	0.17	0.00		1.00	0.30	6.89	11.48	13.78	
	248.53		S12	C	Woodland, Grass, Fair	77	59	92	148.98	142.63	133.40	49.84	25.48	6.50		1.00	0.25	74.56	124.27	149.12	
	60.03		S12	D	Woodland, Grass, Fair	82	66	95	40.91	39.58	37.62	17.27	10.57	4.43		1.00	0.20	18.01	30.02	36.02	
	15.97		S13	A	Chaparral, Broadleaf, Fair	40	23	60	1.58	1.26	0.86	0.00	0.00	0.00		1.00	0.40	4.79	7.98	9.58	
	7.05		S13	B	Chaparral, Broadleaf, Fair	63	43	81	2.72	2.51	2.22	0.28	0.02	0.00		1.00	0.30	2.11	3.52	4.23	
	645.40		S13	C	Chaparral, Broadleaf, Fair	75	57	91	366.21	349.05	324.24	110.51	51.53	9.36		1.00	0.25	193.62	322.70	387.24	
	120.49		S13	D	Chaparral, Broadleaf, Fair	81	64	95	80.11	77.34	73.28	32.23	19.08	7.39		1.00	0.20	36.15	60.24	72.29	
	25.50		S13	A	Chaparral, Narrowleaf, Fair	55	35	75	7.01	6.28	5.30	0.09	0.00	0.00		1.00	0.40	7.65	12.75	15.30	
	11.66		S13	B	Chaparral, Narrowleaf, Fair	72	53	89	6.07	5.74	5.28	1.53	0.59	0.04		1.00	0.30	3.50	5.83	7.00	
	497.07		S13	C	Chaparral, Narrowleaf, Fair	81	64	95	330.48	319.08	302.32	132.96	78.70	30.47		1.00	0.25	149.12	248.53	298.24	
	451.84		S13	D	Chaparral, Narrowleaf, Fair	86	72	97	338.51	330.08	317.51	170.77	117.34	62.98		1.00	0.20	135.55	225.92	271.11	
	4.19		S13	A	Open Brush, Fair	46	28	66	0.69	0.58	0.45	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52	
	1.00		S13	B	Open Brush, Fair	66	46	84	0.43	0.40	0.36	0.06	0.01	0.00		1.00	0.30	0.30	0.50	0.60	
	104.58		S13	C	Open Brush, Fair	77	59	92	62.69	60.02	56.14	20.97	10.72	2.73		1.00	0.25	31.37	52.29	62.75	
	161.75		S13	D	Open Brush, Fair	83	67	96	112.94	109.49	104.38	49.89	31.49	14.17		1.00	0.20	48.52	80.87	97.05	
	0.22		S13	A	Open Brush, Good	41	24	61	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13	
	0.06		S13	B	Open Brush, Good	63	43	81	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04	
	51.44		S13	C	Open Brush, Good	75	57	91	29.19	27.82	25.84	8.81	4.11	0.75		1.00	0.25	15.43	25.72	30.86	
	0.09		S13	D	Open Brush, Good	81	64	95	0.06	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	5.18		S13	A	Public Park	32	17	52	0.89	0.83	0.78	0.73	0.72	0.69		0.85	0.40	1.32	2.20	2.64	
	2.52		S13	B	Public Park	56	36	76	0.98	0.92	0.83	0.70	0.50	0.36		0.85	0.30	0.64	1.07	1.28	
	0.28		S13	D	Public Park	75	57	91	0.17	0.17	0.16	0.14	0.11	0.08		0.85	0.20	0.07	0.12	0.14	
	24.00		S13	A	Residential 1 acre lots	32	17	52	5.22	4.99	4.73	4.53	4.43	4.26		0.80	0.40	5.76	9.60	11.52	
	3.86		S13	B	Residential 1 acre lots	56	36	76	1.63	1.54	1.42	1.22	0.93	0.72		0.80	0.30	0.93	1.54	1.85	
	9.01		S13	C	Residential 1 acre lots	69	50	86	5.15	4.94	4.63	4.12	3.25	2.37		0.80	0.25	2.16	3.60	4.32	
	36.94		S13	A	Woodland, Grass, Fair	44	26	64	5.20	4.35	3.25	0.00	0.00	0.00		1.00	0.40	11.08	18.47	22.17	
	12.05		S13	B	Woodland, Grass, Fair	65	45	83	4.99	4.64	4.14	0.65	0.09	0.00		1.00	0.30	3.61	6.02	7.23	
	24.51		S13	C	Woodland, Grass, Fair	77	59	92	14.69	14.06	13.15	4.91	2.51	0.64		1.00	0.25	7.35	12.25	14.70	
	7.65		S13	D	Woodland, Grass, Fair	82	66	95	5.21	5.04	4.79	2.20	1.35	0.56		1.00	0.20	2.29	3.82	4.59	
	21.26		S14	A	Chaparral, Broadleaf, Fair	40	23	60	2.10	1.68	1.15	0.00	0.00	0.00		1.00	0.40	6.38	10.63	12.75	
	367.70		S14	C	Chaparral, Broadleaf, Fair	75	57	91	208.64	198.86	184.73	62.96	29.36	5.33		1.00	0.25	110.31	183.85	220.62	
	287.86		S14	D	Chaparral, Broadleaf, Fair	81	64	95	191.39	184.79	175.08	77.00	45.58	17.65		1.00	0.20	86.36	143.93	172.72	
	14.04		S14	A	Chaparral, Narrowleaf, Fair	55	35	75	3.86	3.46	2.92	0.05	0.00	0.00		1.00	0.40	4.21	7.02	8.43	
	0.02		S14	B	Chaparral, Narrowleaf, Fair	72	53	89	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01	
	174.85		S14	C	Chaparral, Narrowleaf, Fair	81	64	95	116.25	112.24	106.35	46.77	27.68	10.72		1.00	0.25	52.46	87.43	104.91	
	279.25		S14	D	Chaparral, Narrowleaf, Fair	86	72	97	209.21	204.00	196.23	105.54	72.52	38.92		1.00	0.20	83.78	139.63	167.55	
	4.00		S14	C	Grass, Annual or Perennial, Fair	79	62	93	2.53	2.43	2.29	0.93	0.51	0.16		1.00	0.25	1.20	2.00	2.40	
	0.07		S14	D	Grass, Annual or Perennial, Fair	84	69	96	0.05	0.05	0.05	0.02	0.02	0.01		1.00	0.20	0.02	0.04	0.04	
	23.29		S14	A	Open Brush, Fair	46	28	66	3.81	3.24	2.50	0.00	0.00	0.00		1.00	0.40	6.99	11.65	13.98	
	0.01		S14	B	Open Brush, Fair	66	46	84	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01	
	200.24		S14	C	Open Brush, Fair	77	59	92	120.03	114.92	107.48	40.15	20.53	5.2							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	100											
						AMC			P ₂₄ (Inches)							5.63										
						II	I	III																		
	2.48		S14	B	Public Park	56	36	76	0.96	0.90	0.82	0.69	0.49	0.35		0.85	0.30	0.63	1.05	1.26						
	0.73		S14	D	Public Park	75	57	91	0.46	0.44	0.41	0.37	0.30	0.21		0.85	0.20	0.19	0.31	0.37						
	50.10		S14	A	Woodland, Grass, Fair	44	26	64	7.06	5.90	4.41	0.00	0.00	0.00	1.00	0.40	15.03	25.05	30.06							
	0.85		S14	B	Woodland, Grass, Fair	65	45	83	0.35	0.33	0.29	0.05	0.01	0.00	1.00	0.30	0.25	0.42	0.51							
	13.64		S14	C	Woodland, Grass, Fair	77	59	92	8.18	7.83	7.32	2.74	1.40	0.36	1.00	0.25	4.09	6.82	8.18							
	12.11		S14	D	Woodland, Grass, Fair	82	66	95	8.26	7.99	7.59	3.48	2.13	0.89	1.00	0.20	3.63	6.06	7.27							
	35.60		S15	A	Chaparral, Broadleaf, Fair	40	23	60	3.52	2.81	1.93	0.00	0.00	0.00	1.00	0.40	10.68	17.80	21.36							
	20.35		S15	B	Chaparral, Broadleaf, Fair	63	43	81	7.84	7.24	6.41	0.82	0.05	0.00	1.00	0.30	6.10	10.17	12.21							
	209.04		S15	C	Chaparral, Broadleaf, Fair	75	57	91	118.61	113.05	105.02	35.79	16.69	3.03	1.00	0.25	62.71	104.52	125.42							
	53.93		S15	D	Chaparral, Broadleaf, Fair	81	64	95	35.85	34.62	32.80	14.43	8.54	3.31	1.00	0.20	16.18	26.96	32.36							
	0.29		S15	A	Chaparral, Narrowleaf, Fair	55	35	75	0.08	0.07	0.06	0.00	0.00	0.00	1.00	0.40	0.09	0.14	0.17							
	1.07		S15	B	Chaparral, Narrowleaf, Fair	72	53	89	0.56	0.53	0.48	0.14	0.05	0.00	1.00	0.30	0.32	0.54	0.64							
	52.44		S15	C	Chaparral, Narrowleaf, Fair	81	64	95	34.86	33.66	31.89	14.03	8.30	3.21	1.00	0.25	15.73	26.22	31.46							
	102.66		S15	D	Chaparral, Narrowleaf, Fair	86	72	97	76.91	75.00	72.14	38.80	26.66	14.31	1.00	0.20	30.80	51.33	61.60							
	3.28		S15	A	Commercial, Industrial	32	17	52	2.85	2.84	2.82	2.79	2.72	2.62	0.10	0.40	0.10	0.16	0.20							
	11.67		S15	C	Commercial, Industrial	69	50	86	10.66	10.60	10.49	10.31	9.94	9.44	0.10	0.25	0.35	0.58	0.70							
	12.74		S15	D	Commercial, Industrial	75	57	91	11.76	11.69	11.58	11.38	10.97	10.41	0.10	0.20	0.38	0.64	0.76							
	2.49		S15	A	Grass, Annual or Perennial, Fair	50	31	70	0.53	0.46	0.37	0.00	0.00	0.00	1.00	0.40	0.75	1.25	1.49							
	5.03		S15	B	Grass, Annual or Perennial, Fair	69	50	86	2.39	2.24	2.04	0.48	0.14	0.00	1.00	0.30	1.51	2.52	3.02							
	30.99		S15	C	Grass, Annual or Perennial, Fair	79	62	93	19.58	18.83	17.73	7.18	3.96	1.28	1.00	0.25	9.30	15.50	18.59							
	91.48		S15	D	Grass, Annual or Perennial, Fair	84	69	96	65.42	63.54	60.76	30.18	19.60	9.39	1.00	0.20	27.44	45.74	54.89							
	174.55		S15	A	Open Brush, Fair	46	28	66	28.52	24.25	18.71	0.00	0.00	0.00	1.00	0.40	52.37	87.28	104.73							
	23.72		S15	B	Open Brush, Fair	66	46	84	10.18	9.49	8.51	1.51	0.27	0.00	1.00	0.30	7.11	11.86	14.23							
	742.96		S15	C	Open Brush, Fair	77	59	92	445.35	426.38	398.79	148.98	76.18	19.43	1.00	0.25	222.89	371.48	445.77							
	293.38		S15	D	Open Brush, Fair	83	67	96	204.85	198.59	189.32	90.50	57.12	25.71	1.00	0.20	88.01	146.69	176.03							
	4.49		S15	A	Residential 5-7 dwellings/acre	32	17	52	2.23	2.20	2.16	2.12	2.07	1.99	0.50	0.40	0.67	1.12	1.35							
	1.27		S15	C	Residential 5-7 dwellings/acre	69	50	86	0.91	0.89	0.86	0.81	0.72	0.63	0.50	0.25	0.19	0.32	0.38							
	0.11		S15	D	Residential 5-7 dwellings/acre	75	57	91	0.09	0.09	0.08	0.08	0.07	0.06	0.50	0.20	0.02	0.03	0.03							
	285.97		S15	A	Woodland, Grass, Fair	44	26	64	40.28	33.67	25.19	0.00	0.00	0.00	1.00	0.40	85.79	142.99	171.58							
	28.71		S15	B	Woodland, Grass, Fair	65	45	83	11.90	11.06	9.87	1.56	0.21	0.00	1.00	0.30	8.61	14.36	17.23							
	33.62		S15	C	Woodland, Grass, Fair	77	59	92	20.15	19.29	18.04	6.74	3.45	0.88	1.00	0.25	10.09	16.81	20.17							
	89.19		S15	D	Woodland, Grass, Fair	82	66	95	60.78	58.81	55.89	25.66	15.70	6.59	1.00	0.20	26.76	44.60	53.52							
	21.74		S16	D	Barren	93	83	99	18.95	18.72	18.37	12.98	10.61	7.73	1.00	0.20	6.52	10.87	13.04							
	10.52		S16	A	Chaparral, Broadleaf, Fair	40	23	60	1.04	0.83	0.57	0.00	0.00	0.00	1.00	0.40	3.16	5.26	6.31							
	914.67		S16	C	Chaparral, Broadleaf, Fair	75	57	91	519.00	494.68	459.52	156.61	73.02	13.26	1.00	0.25	274.40	457.34	548.80							
	860.30		S16	D	Chaparral, Broadleaf, Fair	81	64	95	571.97	552.25	523.24	230.12	136.20	52.73	1.00	0.20	258.09	430.15	516.18							
	3.59		S16	A	Chaparral, Narrowleaf, Fair	55	35	75	0.99	0.88	0.75	0.01	0.00	0.00	1.00	0.40	1.08	1.79	2.15							
	147.16		S16	C	Chaparral, Narrowleaf, Fair	81	64	95	97.84	94.47	89.51	39.36	23.30	9.02	1.00	0.25	44.15	73.58	88.30							
	541.02		S16	D	Chaparral, Narrowleaf, Fair	86	72	97	405.32	395.23	380.18	204.48	140.49	75.41	1.00	0.20	162.31	270.51	324.61							
	1.56		S16	A	Open Brush, Fair	46	28	66	0.26	0.22	0.17	0.00	0.00	0.00	1.00	0.40	0.47	0.78	0.94							
	21.05		S16	C	Open Brush, Fair	77	59	92	12.62	12.08	11.30	4.22	2.16	0.55	1.00	0.25	6.32	10.53	12.63							
	492.25		S16	D	Open Brush, Fair	83	67	96	343.71	333.20	317.65	151.84	95.84	43.13	1.00	0.20	147.68	246.13	295.35							
	112.03		S16	C	Residential 2.5 acre lots	69	50	86	58.60	55.66	51.49	44.47	32.52	20.74	0.90	0.25	30.25	50.41	60.50							
	3.80		S16	A	Woodland, Grass, Fair	44	26	64	0.53	0.45	0.33	0.00	0.00	0.00	1.00	0.40	1.14	1.90	2.28							
	63.48		S16	C	Woodland, Grass, Fair	77	59	92	38.05	36.43	34.07	12.73	6.51	1.66	1.00	0.25	19.04	31.74	38.09							
	10.66		S16	D	Woodland, Grass, Fair	82	66	95	7.26	7.03	6.68	3.07	1.88	0.79	1.00	0.20	3.20	5.33	6.40							
	0.53		S17	A	Barren	78	61	93	0.33	0.31	0.29	0.11	0.06	0.02	1.00	0.40	0.16	0.26	0.32							
	21.11		S17	C	Barren	91	80	98	17.65	17.37	16.95	11.08	8.64	5.82	1.00	0.25	6.33	10.55	12.66							
	20.15		S17	D	Barren	93	83	99	17.57	17.35	17.03	12.03	9.84	7.16	1.00	0.20	6.04	10.07	12.09							
	72.38		S17	A	Chaparral, Broadleaf, Fair	40	23	60	7.16	5.71	3.92	0.00	0.00	0.00	1.00	0.40	21.71	36.19	43.43							
	209.48		S17	C	Chaparral, Broadleaf, Fair	75	57	91	118.86	113.29	105.24	35.87	16.72	3.04	1.00	0.25	62.84	104.74	125.69							
	13.50		S17	D	Chaparral, Broadleaf, Fair	81	64	95	8.98	8.67	8.21	3.61	2.14	0.83	1.00	0.20	4.05	6.75	8.10							
	9.54		S17	A	Chaparral, Narrowleaf, Fair	55	35	75	2.62	2.35	1.98	0.03	0.00	0.00	1.00	0.40	2.86	4.77	5.72							
	1.42		S17	B	Chaparral, Narrowleaf, Fair	72	53	89	0.74	0.70	0.64	0.19	0.07	0.00	1.00	0.30	0.43	0.71	0.85							
	11.72		S17	C	Chaparral, Narrowleaf, Fair	81	64	95	7.79	7.52	7.13	3.14	1.86	0.72	1.00	0.25	3.52	5.86	7.03							
	1.51		S17	D																						

RANCHO MISSION VIEJO																								
PA-3&4 (Ultimate Conditions)																								
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)																								
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	100									
						AMC			P ₂₄ (Inches)															5.63
						II	I	III	AMC 1/AMCII															
	0.33		S17	D	Woodland, Grass, Fair	82	66	95	0.23	0.22	0.21	0.10	0.06	0.02		1.00	0.20	0.10	0.17	0.20				
	6.56		S18	C	Chaparral, Broadleaf, Fair	75	57	91	3.72	3.55	3.29	1.12	0.52	0.10		1.00	0.25	1.97	3.28	3.93				
	0.00		S18	A	Chaparral, Narrowleaf, Fair	55	35	75	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00				
	2.82		S18	B	Chaparral, Narrowleaf, Fair	72	53	89	1.47	1.39	1.28	0.37	0.14	0.01		1.00	0.30	0.85	1.41	1.69				
	0.87		S18	C	Chaparral, Narrowleaf, Fair	81	64	95	0.58	0.56	0.53	0.23	0.14	0.05		1.00	0.25	0.26	0.44	0.52				
	19.41		S18	D	Chaparral, Narrowleaf, Fair	86	72	97	14.54	14.18	13.64	7.34	5.04	2.71		1.00	0.20	5.82	9.71	11.65				
	20.11		S18	A	Grass, Annual or Perennial, Fair	50	31	70	4.24	3.71	3.00	0.00	0.00	0.00		1.00	0.40	6.03	10.06	12.07				
	5.15		S18	B	Grass, Annual or Perennial, Fair	69	50	86	2.44	2.29	2.08	0.49	0.14	0.00		1.00	0.30	1.54	2.57	3.09				
	10.11		S18	C	Grass, Annual or Perennial, Fair	79	62	93	6.39	6.14	5.78	2.34	1.29	0.42		1.00	0.25	3.03	5.05	6.06				
	109.43		S18	D	Grass, Annual or Perennial, Fair	84	69	96	78.25	76.01	72.68	36.10	23.45	11.23		1.00	0.20	32.83	54.71	65.66				
	117.51		S18	A	Open Brush, Fair	46	28	66	19.20	16.33	12.60	0.00	0.00	0.00		1.00	0.40	35.25	58.75	70.50				
	59.26		S18	B	Open Brush, Fair	66	46	84	25.44	23.70	21.26	3.77	0.67	0.00		1.00	0.30	17.78	29.63	35.56				
	411.61		S18	C	Open Brush, Fair	77	59	92	246.73	236.22	220.94	82.54	42.20	10.76		1.00	0.25	123.48	205.81	246.97				
	146.66		S18	D	Open Brush, Fair	83	67	96	102.41	99.28	94.64	45.24	28.55	12.85		1.00	0.20	44.00	73.33	88.00				
	0.76		S18	A	Residential 5-7 dwellings/acre	32	17	52	0.38	0.37	0.36	0.36	0.35	0.33		0.50	0.40	0.11	0.19	0.23				
	48.45		S18	A	Woodland, Grass, Fair	44	26	64	6.82	5.70	4.27	0.00	0.00	0.00		1.00	0.40	14.54	24.23	29.07				
	14.00		S18	B	Woodland, Grass, Fair	65	45	83	5.80	5.39	4.81	0.76	0.10	0.00		1.00	0.30	4.20	7.00	8.40				
	17.16		S18	C	Woodland, Grass, Fair	77	59	92	10.29	9.85	9.21	3.44	1.76	0.45		1.00	0.25	5.15	8.58	10.29				
	37.74		S18	D	Woodland, Grass, Fair	82	66	95	25.72	24.88	23.65	10.86	6.64	2.79		1.00	0.20	11.32	18.87	22.64				
11927	4.4		s19	A	Residential 5-7 dwellings/acre	32	17	52	2.19	2.15	2.12	2.08	2.03	1.95		0.50	0.40	0.66	1.10	1.32				
11927	23.2		s19	A	Grass, Annual or Perennial, Fair	50	31	70	4.90	4.28	3.46	0.00	0.00	0.00		1.00	0.40	6.96	11.60	13.92				
11927	47.6		s19	A	Chaparral, Broadleaf, Fair	40	23	60	4.71	3.76	2.58	0.00	0.00	0.00		1.00	0.40	14.28	23.80	28.56				
11927	47.9		s19	A	Woodland, Grass, Fair	44	26	64	6.75	5.64	4.22	0.00	0.00	0.00		1.00	0.40	14.37	23.95	28.74				
11927	170.2		s19	A	Open Brush, Fair	46	28	66	27.80	23.65	18.25	0.00	0.00	0.00		1.00	0.40	51.06	85.10	102.12				
11927	4.2		s19	B	Grass, Annual or Perennial, Fair	69	50	86	1.99	1.87	1.70	0.40	0.12	0.00		1.00	0.30	1.26	2.10	2.52				
11927	6.7		s19	B	Chaparral, Broadleaf, Fair	63	43	81	2.58	2.38	2.11	0.27	0.02	0.00		1.00	0.30	2.01	3.35	4.02				
11927	13.9		s19	B	Open Brush, Fair	66	46	84	5.97	5.56	4.99	0.88	0.16	0.00		1.00	0.30	4.17	6.95	8.34				
11927	15.8		s19	B	Woodland, Grass, Fair	65	45	83	6.55	6.08	5.43	0.86	0.12	0.00		1.00	0.30	4.74	7.90	9.48				
11927	0.5		s19	C	Barren	91	80	98	0.42	0.41	0.40	0.26	0.20	0.14		1.00	0.25	0.15	0.25	0.30				
11927	53.3		s19	C	Chaparral, Narrowleaf, Fair	81	64	95	35.44	34.21	32.42	14.26	8.44	3.27		1.00	0.25	15.99	26.65	31.98				
11927	77.7		s19	C	Residential 2.5 acre lots	69	50	86	40.64	38.61	35.71	30.84	22.56	14.39		0.90	0.25	20.98	34.97	41.96				
11927	87.9		s19	C	Grass, Annual or Perennial, Fair	79	62	93	55.55	53.41	50.28	20.36	11.24	3.62		1.00	0.25	26.37	43.95	52.74				
11927	174.3		s19	C	Woodland, Grass, Fair	77	59	92	104.48	100.03	93.56	34.95	17.87	4.56		1.00	0.25	52.29	87.15	104.58				
11927	636.1		s19	C	Chaparral, Broadleaf, Fair	75	57	91	360.93	344.02	319.57	108.92	50.78	9.22		1.00	0.25	190.83	318.05	381.66				
11927	1061.1		s19	C	Open Brush, Fair	77	59	92	636.06	608.96	569.56	212.78	108.80	27.75		1.00	0.25	318.33	530.55	636.66				
11927	0.1		s19	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.06				
11927	10		s19	D	Woodland, Grass, Fair	82	66	95	6.81	6.59	6.27	2.88	1.76	0.74		1.00	0.20	3.00	5.00	6.00				
11927	68.8		s19	D	Grass, Annual or Perennial, Fair	84	69	96	49.20	47.79	45.70	22.70	14.74	7.06		1.00	0.20	20.64	34.40	41.28				
11927	143.4		s19	D	Chaparral, Narrowleaf, Fair	86	72	97	107.43	104.76	100.77	54.20	37.24	19.99		1.00	0.20	43.02	71.70	86.04				
11927	295.1		s19	D	Open Brush, Fair	83	67	96	206.05	199.75	190.43	91.03	57.45	25.86		1.00	0.20	88.53	147.55	177.06				
11927	399.8		s19	D	Chaparral, Broadleaf, Fair	81	64	95	265.81	256.64	243.16	106.94	63.30	24.51		1.00	0.20	119.94	199.90	239.88				
	3.13		S20	A	Chaparral, Broadleaf, Fair	40	23	60	0.31	0.25	0.17	0.00	0.00	0.00		1.00	0.40	0.94	1.56	1.88				
	156.82		S20	C	Chaparral, Broadleaf, Fair	75	57	91	88.98	84.81	78.78	26.85	12.52	2.27		1.00	0.25	47.05	78.41	94.09				
	368.60		S20	D	Chaparral, Broadleaf, Fair	81	64	95	245.07	236.62	224.19	98.60	58.36	22.59		1.00	0.20	110.58	184.30	221.16				
	0.22		S20	A	Chaparral, Narrowleaf, Fair	55	35	75	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13				
	92.39		S20	C	Chaparral, Narrowleaf, Fair	81	64	95	61.42	59.31	56.19	24.71	14.63	5.66		1.00	0.25	27.72	46.19	55.43				
	852.18		S20	D	Chaparral, Narrowleaf, Fair	86	72	97	638.43	622.54	598.83	322.08	221.30	118.78		1.00	0.20	255.65	426.09	511.31				
	0.66		S20	A	Open Brush, Fair	46	28	66	0.11	0.09	0.07	0.00	0.00	0.00		1.00	0.40	0.20	0.33	0.40				
	17.20		S20	C	Open Brush, Fair	77	59	92	10.31	9.87	9.23	3.45	1.76	0.45		1.00	0.25	5.16	8.60	10.32				
	269.04		S20	D	Open Brush, Fair	83	67	96	187.86	182.11	173.62	82.99	52.38	23.57		1.00	0.20	80.71	134.52	161.43				
	10.84		S20	C	Woodland, Fair	73	55	89	5.81	5.51	5.08	1.56	0.65	0.07		1.00	0.25	3.25	5.42	6.50				
	23.85		S20	D	Woodland, Fair	79	62	93	15.07	14.49	13.64	5.53	3.05	0.98		1.00	0.20	7.16	11.93	14.31				
	9.34		S20	A	Woodland, Grass, Fair	44	26	64	1.32	1.10	0.82	0.00	0.00	0.00		1.00	0.40	2.80	4.67	5.61				
	25.73		S20	C	Woodland, Grass, Fair	77	59	92	15.42	14.77	13.81	5.16	2.64	0.67		1.00	0.25	7.72	12.87	15.44				
	83.67		S20	D	Woodland, Grass, Fair	82	66	95	57.02	55.17	52.43	24.07	14.73	6.18		1.00	0.20	25.10	41.83	50.20				
	4.21		S21	A	Chaparral, Broadleaf, Fair	40	23	60	0.42	0.33	0.23	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52				
	127.31		S21	C	Chaparral, Broadleaf, Fair	75	57	91	72.24	68.85	63.96	21.80	10.16	1.85		1.00	0.25	38.19	63.66	76.39				
	434.86		S21	D	Chaparral, Broadleaf, Fair	81	64	95	289.12	279.15	264.49	116.32	68.85	26.66		1.00	0.20	130.46	217.43	260.92				
	3.55		S21	A	Chaparral, Narrowleaf, Fair	55	35	75	0.98	0.88	0.74	0.01	0.00	0.00		1.00	0.40	1.07	1.78	2.13				
	15.70		S21	C	Chaparral, Narrowleaf, Fair	81	64	95	10.44	10.08	9.55	4.20	2.49	0.96		1.00	0.25	4.71	7.85	9.42				
	517.19		S21	D	Chaparral, Narrowleaf, Fair	86	72	97	387.47	377.82	363.44	195.48	134.31	72.09		1.00	0.20	155.16	258.60	310.32				

RANCHO MISSION VIEJO																								
PA-3&4 (Ultimate Conditions)																								
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)																								
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	100												
						AMC			P ₂₄ (Inches)															
						II	I	III	AMC 1/AMCII											5.63				
	2.82		S22	B	Chaparral, Broadleaf, Fair	63	43	81	1.09	1.00	0.89	0.11	0.01	0.00		1.00	0.30	0.84	1.41	1.69				
	393.29		S22	C	Chaparral, Broadleaf, Fair	75	57	91	223.16	212.70	197.58	67.34	31.40	5.70		1.00	0.25	117.99	196.64	235.97				
	179.87		S22	D	Chaparral, Broadleaf, Fair	81	64	95	119.59	115.47	109.40	48.11	28.48	11.03		1.00	0.20	53.96	89.94	107.92				
	0.08		S22	A	Chaparral, Narrowleaf, Fair	55	35	75	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.05				
	121.85		S22	C	Chaparral, Narrowleaf, Fair	81	64	95	81.02	78.22	74.11	32.59	19.29	7.47		1.00	0.25	36.56	60.93	73.11				
	144.00		S22	D	Chaparral, Narrowleaf, Fair	86	72	97	107.88	105.20	101.19	54.43	37.39	20.07		1.00	0.20	43.20	72.00	86.40				
	2.33		S22	B	Commercial, Industrial	56	36	76	2.09	2.07	2.05	2.02	1.95	1.86		0.10	0.30	0.07	0.12	0.14				
	2.24		S22	C	Commercial, Industrial	69	50	86	2.05	2.04	2.02	1.98	1.91	1.81		0.10	0.25	0.07	0.11	0.13				
	2.22		S22	D	Commercial, Industrial	75	57	91	2.05	2.04	2.02	1.98	1.91	1.81		0.10	0.20	0.07	0.11	0.13				
	4.94		S22	A	Grass, Annual or Perennial, Fair	50	31	70	1.04	0.91	0.74	0.00	0.00	0.00		1.00	0.40	1.48	2.47	2.97				
	15.92		S22	B	Grass, Annual or Perennial, Fair	69	50	86	7.55	7.09	6.44	1.51	0.44	0.00		1.00	0.30	4.78	7.96	9.55				
	56.74		S22	C	Grass, Annual or Perennial, Fair	79	62	93	35.86	34.48	32.46	13.15	7.26	2.34		1.00	0.25	17.02	28.37	34.05				
	301.98		S22	D	Grass, Annual or Perennial, Fair	84	69	96	215.95	209.76	200.58	99.62	64.72	31.00		1.00	0.20	90.59	150.99	181.19				
	42.78		S22	A	Open Brush, Fair	46	28	66	6.99	5.94	4.59	0.00	0.00	0.00		1.00	0.40	12.84	21.39	25.67				
	14.27		S22	B	Open Brush, Fair	66	46	84	6.13	5.71	5.12	0.91	0.16	0.00		1.00	0.30	4.28	7.13	8.56				
	483.19		S22	C	Open Brush, Fair	77	59	92	289.64	277.30	259.36	96.89	49.54	12.64		1.00	0.25	144.96	241.59	289.91				
	756.78		S22	D	Open Brush, Fair	83	67	96	528.42	512.26	488.36	233.44	147.34	66.31		1.00	0.20	227.03	378.39	454.07				
	4.36		S22	B	Public Park	56	36	76	1.70	1.59	1.44	1.21	0.87	0.62		0.85	0.30	1.11	1.85	2.22				
	55.87		S22	C	Public Park	69	50	86	30.59	29.20	27.21	23.88	18.18	12.52		0.85	0.25	14.25	23.75	28.50				
	83.63		S22	D	Public Park	75	57	91	52.41	50.48	47.69	42.84	34.09	24.56		0.85	0.20	21.33	35.54	42.65				
	1.75		S22	C	Residential 2 dwellings/acre	69	50	86	1.08	1.05	1.00	0.91	0.75	0.60		0.70	0.25	0.37	0.61	0.73				
	1.81		S22	D	Residential 2 dwellings/acre	75	57	91	1.24	1.20	1.15	1.06	0.90	0.72		0.70	0.20	0.38	0.63	0.76				
	34.00		S22	B	Residential 3-4 dwellings/acre	56	36	76	18.97	18.34	17.48	16.10	13.99	12.28		0.60	0.30	6.12	10.20	12.24				
	9.18		S22	C	Residential 3-4 dwellings/acre	69	50	86	6.15	5.98	5.73	5.32	4.60	3.85		0.60	0.25	1.65	2.75	3.30				
	87.11		S22	D	Residential 3-4 dwellings/acre	75	57	91	63.21	61.70	59.51	55.70	48.69	40.77		0.60	0.20	15.68	26.13	31.36				
	35.58		S22	B	Residential 5-7 dwellings/acre	56	36	76	22.26	21.69	20.90	19.64	17.67	15.96		0.50	0.30	5.34	8.90	10.67				
	115.58		S22	C	Residential 5-7 dwellings/acre	69	50	86	83.04	81.19	78.53	74.00	66.00	57.43		0.50	0.25	17.34	28.89	34.67				
	173.99		S22	D	Residential 5-7 dwellings/acre	75	57	91	133.12	130.52	126.73	120.10	107.78	93.57		0.50	0.20	26.10	43.50	52.20				
	18.54		S22	B	Turf, Good	58	38	77	5.84	5.30	4.56	3.40	1.65	0.35		1.00	0.30	5.56	9.27	11.12				
	96.29		S22	C	Turf, Good	72	53	89	50.09	47.41	43.57	37.03	25.62	13.94		1.00	0.25	28.89	48.14	57.77				
	50.29		S22	D	Turf, Good	79	62	93	31.78	30.56	28.77	25.62	19.75	13.06		1.00	0.20	15.09	25.15	30.18				
	0.24		S22	D	Turf, Good	79	62	93	0.15	0.14	0.14	0.12	0.09	0.06		1.00	0.20	0.07	0.12	0.14				
	6.37		S22	B	Water	98	95	100	6.13	6.11	6.08	6.01	5.87	5.65		0.00	0.30	0.00	0.00	0.00				
	13.17		S22	C	Water	98	95	100	12.68	12.64	12.57	12.44	12.15	11.68		0.00	0.25	0.00	0.00	0.00				
	4.04		S22	D	Water	98	95	100	3.89	3.88	3.86	3.82	3.73	3.59		0.00	0.20	0.00	0.00	0.00				
	111.58		S22	A	Woodland, Grass, Fair	44	26	64	15.72	13.14	9.83	0.00	0.00	0.00		1.00	0.40	33.47	55.79	66.95				
	10.81		S22	B	Woodland, Grass, Fair	65	45	83	4.48	4.16	3.72	0.59	0.08	0.00		1.00	0.30	3.24	5.40	6.48				
	116.11		S22	C	Woodland, Grass, Fair	77	59	92	69.60	66.63	62.32	23.28	11.90	3.04		1.00	0.25	34.83	58.05	69.66				
	182.56		S22	D	Woodland, Grass, Fair	82	66	95	124.41	120.37	114.40	52.52	32.14	13.48		1.00	0.20	54.77	91.28	109.54				
	9.49		S23	A	Chaparral, Broadleaf, Fair	40	23	60	0.94	0.75	0.51	0.00	0.00	0.00		1.00	0.40	2.85	4.75	5.69				
	40.94		S23	C	Chaparral, Broadleaf, Fair	75	57	91	23.23	22.14	20.57	7.01	3.27	0.59		1.00	0.25	12.28	20.47	24.56				
	3.64		S23	D	Chaparral, Broadleaf, Fair	81	64	95	2.42	2.34	2.21	0.97	0.58	0.22		1.00	0.20	1.09	1.82	2.18				
	4.78		S23	A	Grass, Annual or Perennial, Fair	50	31	70	1.01	0.88	0.71	0.00	0.00	0.00		1.00	0.40	1.43	2.39	2.87				
	3.71		S23	B	Grass, Annual or Perennial, Fair	69	50	86	1.76	1.65	1.50	0.35	0.10	0.00		1.00	0.30	1.11	1.85	2.22				
	67.78		S23	C	Grass, Annual or Perennial, Fair	79	62	93	42.83	41.18	38.77	15.70	8.67	2.79		1.00	0.25	20.33	33.89	40.67				
	228.76		S23	D	Grass, Annual or Perennial, Fair	84	69	96	163.59	158.90	151.94	75.46	49.02	23.48		1.00	0.20	68.63	114.38	137.25				
	16.32		S23	A	Open Brush, Fair	46	28	66	2.67	2.27	1.75	0.00	0.00	0.00		1.00	0.40	4.90	8.16	9.79				
	27.24		S23	B	Open Brush, Fair	66	46	84	11.69	10.90	9.77	1.73	0.31	0.00		1.00	0.30	8.17	13.62	16.35				
	492.24		S23	C	Open Brush, Fair	77	59	92	295.07	282.49	264.22	98.71	50.47	12.87		1.00	0.25	147.67	246.12	295.34				
	351.19		S23	D	Open Brush, Fair	83	67	96	245.22	237.72	226.63	108.33	68.37	30.77		1.00	0.20	105.36	175.59	210.71				
	0.08		S23	D	Public Park	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.85	0.20	0.02	0.03	0.04				
	1.08		S23	C	Residential 3-4 dwellings/acre	69	50	86	0.72	0.70	0.67	0.63	0.54	0.45		0.60	0.25	0.19	0.32	0.39				
	0.00		S23	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00				
	142.11		S23	A	Woodland, Grass, Fair	44	26	64	20.02	16.73	12.52	0.00	0.00	0.00		1.00	0.40	42.63	71.05	85.26				
	6.84		S23	B	Woodland, Grass, Fair	65	45	83	2.84	2.63	2.35	0.37	0.05	0.00		1.00	0.30	2.05	3.42	4.10				
	139.99		S23	C	Woodland, Grass, Fair	77	59	92	83.92	80.34	75.14	28.07	14.35	3.66		1.00	0.25	42.00	70.00	84.00				
	47.57		S23	D	Woodland, Grass, Fair	82	66	95	32.42	31.36	29.81	13.68	8.37	3.51		1.00	0.20	14.27	23.78	28.54				
	13.09		S24	A	Chaparral, Broadleaf, Fair	40	23	60	1.29	1.03	0.71	0.00	0.00	0.00		1.00	0.40	3.93	6.55	7.85				
	276.29		S24	C	Chaparral, Broadleaf, Fair	75	57	91	156.77	149.42	138.80	47.31	22.06	4.01		1.00	0.25	82.89	138.14	165.77				
	147.05		S24	D	Chaparral, Broadleaf, Fair	81	64																	

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PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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)							
								EV						HC													
								100	50	25	10	5	2	100	P ₂₄ (Inches)					EV					HC		
								AMC			P ₂₄ (Inches)																
								II	I	III	AMC 1/AMCII									5.63	All						
	491.04		S24	D	Open Brush, Fair	83	67	96	342.86	332.38	316.87	151.47	95.60	43.02		1.00	0.20	147.31	245.52	294.62							
	103.80		S24	A	Woodland, Grass, Fair	44	26	64	14.62	12.22	9.14	0.00	0.00	0.00		1.00	0.40	31.14	51.90	62.28							
	3.00		S24	B	Woodland, Grass, Fair	65	45	83	1.24	1.16	1.03	0.16	0.02	0.00		1.00	0.30	0.90	1.50	1.80							
	103.45		S24	C	Woodland, Grass, Fair	77	59	92	62.01	59.37	55.53	20.74	10.61	2.71		1.00	0.25	31.04	51.73	62.07							
	80.24		S24	D	Woodland, Grass, Fair	82	66	95	54.68	52.91	50.28	23.08	14.13	5.93		1.00	0.20	24.07	40.12	48.14							
	0.38		S25	A	Chaparral, Broadleaf, Fair	40	23	60	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.11	0.19	0.23							
	10.79		S25	B	Chaparral, Broadleaf, Fair	63	43	81	4.16	3.84	3.40	0.43	0.03	0.00		1.00	0.30	3.24	5.39	6.47							
	180.22		S25	C	Chaparral, Broadleaf, Fair	75	57	91	102.26	97.47	90.54	30.86	14.39	2.61		1.00	0.25	54.07	90.11	108.13							
	52.57		S25	D	Chaparral, Broadleaf, Fair	81	64	95	34.95	33.75	31.98	14.06	8.32	3.22		1.00	0.20	15.77	26.29	31.54							
	7.58		S25	B	Chaparral, Narrowleaf, Fair	72	53	89	3.95	3.73	3.43	0.99	0.38	0.03		1.00	0.30	2.27	3.79	4.55							
	94.15		S25	C	Chaparral, Narrowleaf, Fair	81	64	95	62.60	60.44	57.27	25.19	14.91	5.77		1.00	0.25	28.25	47.08	56.49							
	99.70		S25	D	Chaparral, Narrowleaf, Fair	86	72	97	74.70	72.84	70.06	37.68	25.89	13.90		1.00	0.20	29.91	49.85	59.82							
	5.79		S25	A	Grass, Annual or Perennial, Fair	50	31	70	1.22	1.07	0.86	0.00	0.00	0.00		1.00	0.40	1.74	2.90	3.48							
	16.90		S25	B	Grass, Annual or Perennial, Fair	69	50	86	8.02	7.53	6.84	1.60	0.47	0.00		1.00	0.30	5.07	8.45	10.14							
	11.07		S25	C	Grass, Annual or Perennial, Fair	79	62	93	6.99	6.72	6.33	2.56	1.42	0.46		1.00	0.25	3.32	5.53	6.64							
	114.48		S25	D	Grass, Annual or Perennial, Fair	84	69	96	81.86	79.52	76.04	37.77	24.53	11.75		1.00	0.20	34.34	57.24	68.69							
	94.58		S25	A	Open Brush, Fair	46	28	66	15.45	13.14	10.14	0.00	0.00	0.00		1.00	0.40	28.38	47.29	56.75							
	159.36		S25	B	Open Brush, Fair	66	46	84	68.40	63.73	57.16	10.13	1.79	0.00		1.00	0.30	47.81	79.68	95.61							
	612.94		S25	C	Open Brush, Fair	77	59	92	367.42	351.77	329.01	122.91	62.85	16.03		1.00	0.25	183.88	306.47	367.77							
	479.25		S25	D	Open Brush, Fair	83	67	96	334.64	324.40	309.27	147.83	93.31	41.99		1.00	0.20	143.78	239.63	287.55							
	33.85		S25	A	Public Park	32	17	52	5.79	5.44	5.07	4.80	4.68	4.50		0.85	0.40	8.63	14.39	17.27							
	7.86		S25	B	Public Park	56	36	76	3.06	2.86	2.60	2.18	1.56	1.12		0.85	0.30	2.00	3.34	4.01							
	3.30		S25	C	Public Park	69	50	86	1.81	1.72	1.61	1.41	1.07	0.74		0.85	0.25	0.84	1.40	1.68							
	2.46		S25	D	Public Park	75	57	91	1.54	1.49	1.41	1.26	1.00	0.72		0.85	0.20	0.63	1.05	1.26							
	173.60		S25	A	Woodland, Grass, Fair	44	26	64	24.45	20.44	15.29	0.00	0.00	0.00		1.00	0.40	52.08	86.80	104.16							
	26.34		S25	B	Woodland, Grass, Fair	65	45	83	10.92	10.14	9.06	1.43	0.19	0.00		1.00	0.30	7.90	13.17	15.80							
	132.01		S25	C	Woodland, Grass, Fair	77	59	92	79.13	75.76	70.86	26.47	13.54	3.45		1.00	0.25	39.60	66.01	79.21							
	30.90		S25	D	Woodland, Grass, Fair	82	66	95	21.06	20.37	19.36	8.89	5.44	2.28		1.00	0.20	9.27	15.45	18.54							
	0.20	E-1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.25	0.05	0.09	0.11							
	0.50	E-1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.19	0.13		0.90	0.20	0.14	0.23	0.27							
	0.80	E-1	S26.1	D	Commercial	75	57	91	0.74	0.73	0.73	0.71	0.69	0.65		0.10	0.20	0.02	0.04	0.05							
	0.10	E-2	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.25	0.00	0.01	0.01							
	2.10	E-2	S26.1	D	Commercial	75	57	91	1.94	1.93	1.91	1.88	1.81	1.72		0.10	0.20	0.06	0.11	0.13							
	0.70	E-2	S26.1	D	Residential 2.5 acre lots	75	57	91	0.42	0.41	0.38	0.34	0.26	0.18		0.90	0.20	0.19	0.32	0.38							
	0.60	E-2.1	S26.1	B	Commercial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04							
	0.20	E-2.1	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.07	0.06	0.05	0.03	0.02		0.90	0.30	0.05	0.09	0.11							
	3.00	E-2.1	S26.1	C	Commercial	69	50	86	2.74	2.72	2.70	2.65	2.56	2.43		0.10	0.25	0.09	0.15	0.18							
	0.10	E-2.1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05							
	1.70	E-2.1	S26.1	D	Commercial	75	57	91	1.57	1.56	1.55	1.52	1.46	1.39		0.10	0.20	0.05	0.09	0.10							
	0.50	E-2.1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.19	0.13		0.90	0.20	0.14	0.23	0.27							
	2.00	E-3	S26.1	C	Residential 2.5 acre lots	69	50	86	1.05	0.99	0.92	0.79	0.58	0.37		0.90	0.25	0.54	0.90	1.08							
	2.20	E-3	S26.1	D	Residential 2.5 acre lots	75	57	91	1.34	1.28	1.20	1.07	0.83	0.57		0.90	0.20	0.59	0.99	1.19							
	4.20	E-3	S26.1	B	Residential 2.5 acre lots	56	36	76	1.49	1.38	1.23	1.00	0.66	0.41		0.90	0.30	1.13	1.89	2.27							
	5.30	E-3	S26.1	B	Commercial	56	36	76	4.75	4.71	4.67	4.59	4.44	4.23		0.10	0.30	0.16	0.27	0.32							
	7.10	E-3	S26.1	D	Commercial	75	57	91	6.56	6.52	6.46	6.34	6.12	5.80		0.10	0.20	0.21	0.36	0.43							
	8.60	E-3	S26.1	C	Commercial	69	50	86	7.86	7.81	7.73	7.60	7.33	6.95		0.10	0.25	0.26	0.43	0.52							
	0.60	E-4	S26.1	A	Residential 2.5 acre lots	32	17	52	0.07	0.07	0.06	0.06	0.06	0.05		0.90	0.40	0.16	0.27	0.32							
	1.30	E-4	S26.1	B	Residential 2.5 acre lots	56	36	76	0.46	0.43	0.38	0.31	0.20	0.13		0.90	0.30	0.35	0.59	0.70							
	5.80	E-4	S26.1	A	Commercial	32	17	52	4.87	4.85	4.81	4.76	4.65	4.47		0.10	0.40	0.17	0.28	0.34							
	8.30	E-4	S26.1	B	Commercial	56	36	76	7.43	7.38	7.31	7.19	6.95	6.63		0.10	0.30	0.25	0.42	0.50							
	5.60	E-5	S26.1	A	Apartments	32	17	52	4.35	4.32	4.28	4.23	4.13	3.97		0.20	0.40	0.34	0.56	0.67							
	12.30	E-5	S26.1	B	Apartments	56	36	76	10.18	10.08	9.93	9.69	9.25	8.75		0.20	0.30	0.74	1.23	1.48							
	0.50	E-5	S26.1	A	Commercial	32	17	52	0.43	0.43	0.43	0.43	0.41	0.40		0.10	0.40	0.02	0.03	0.03							
	5.40	E-5	S26.1	B	Commercial	56	36	76	4.84	4.80	4.76	4.68	4.52	4.31		0.10	0.30	0.16	0.27	0.32							
	4.70	E-5	S26.1	A	Residential 2.5 acre lots	32	17	52	0.59	0.53	0.48	0.44	0.43	0.42		0.90	0.40	1.27	2.12	2.54							
	4.20	E-5	S26.1	B	Residential 2.5 acre lots	56	36	76	1.49	1.38	1.23	1.00	0.66	0.41		0.90	0.30	1.13	1.89	2.27							
	9.90	E-5	S26.1	A	Commercial	32	17	52	8.61	8.57	8.51	8.42	8.22	7.90		0.10	0.40	0.30	0.50	0.59							
	0.10	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06							
	0.10	OE-1	S26.1	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06							
	0.20	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.11	0.11	0.10	0.03	0.02	0.00		1.00	0.25	0.06	0.10	0.12							
	0.50	OE-1	S26.1	C	Open Brush, Fair	77	59	92	0.30	0.29	0.27	0.10	0.05	0.01		1.00	0.25	0.15	0.25	0.30							
	2.10	OE-2	S26.1	D	Open Brush, Fair	83	67	96	1.47	1.42	1.36	0.65	0.41	0.18		1.00	0.20	0.63	1.05	1.26							
	3.10	OE-2	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	1.76	1.68	1.56	0.53	0.25	0.04		1.00	0.25	0.93	1.55	1.86							
	3.20	OE-2	S26.1	C	Open Brush, Fair	77	59	92	1.92	1.84	1.72	0.64	0.33	0.08		1.00	0.25	0.96	1.60	1.92							
	0.10	OE-3	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06							
	0.30	OE-3	S26.1	B	Open Brush, Fair	66	46	84	0.13	0.12	0.11	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18							
	0.70	OE-3	S26.1	B	Woodland, Grass, Fair	65	45	83	0.29	0.27	0.24	0.04	0.01	0.00		1.00	0.30	0.21	0.35	0.42							
	1.20	OE-3	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.80	0.77	0.73	0.32	0.19	0.07		1.00	0.20	0.36	0.60	0.72							
	5.80	OE-3	S26.1	C	Open Brush, Fair	77	59	92	3.48	3.33	3.11	1.16	0.59	0.15		1.00	0.25	1.74	2.90	3							

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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							
									EV										100				
						100	50	25	10	5	2	100											
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III	AMC 1/AMCII														
Storm Event (Year)																							
EV																HC	All						
> 5																5	2						

	10.40	OE-3	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.90	5.62	5.22	1.78	0.83	0.15		1.00	0.25	3.12	5.20	6.24	
	0.10	OE-4	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.30	OE-4	S26.1	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	0.60	OE-4	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.34	0.32	0.30	0.10	0.05	0.01		1.00	0.25	0.18	0.30	0.36	
	0.10	OE-5	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.25	0.00	0.01	0.01	
	0.90	OE-5	S26.1	B	Residential 2.5 acre lots	56	36	76	0.32	0.30	0.26	0.21	0.14	0.09		0.90	0.30	0.24	0.41	0.49	
	1.30	OE-5	S26.1	B	Commercial	56	36	76	1.16	1.16	1.15	1.13	1.09	1.04		0.10	0.30	0.04	0.07	0.08	
	0.80	OE-5	S26.1	D	Open Brush, Fair	83	67	96	0.56	0.54	0.52	0.25	0.16	0.07		1.00	0.20	0.24	0.40	0.48	
	2.40	OE-5	S26.1	C	Open Brush, Fair	77	59	92	1.44	1.38	1.29	0.48	0.25	0.06		1.00	0.25	0.72	1.20	1.44	
	3.20	OE-5	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.13	2.05	1.95	0.86	0.51	0.20		1.00	0.20	0.96	1.60	1.92	
	4.00	OE-5	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.54	1.42	1.26	0.16	0.01	0.00		1.00	0.30	1.20	2.00	2.40	
	7.10	OE-5	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	4.03	3.84	3.57	1.22	0.57	0.10		1.00	0.25	2.13	3.55	4.26	
	1.00	OE-6	S26.1	B	Commercial	56	36	76	0.90	0.89	0.88	0.87	0.84	0.80		0.10	0.30	0.03	0.05	0.06	
	0.20	OE-6	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.07	0.06	0.05	0.03	0.02		0.90	0.30	0.05	0.09	0.11	
	0.50	OE-6	S26.1	B	Open Brush, Fair	66	46	84	0.21	0.20	0.18	0.03	0.01	0.00		1.00	0.30	0.15	0.25	0.30	
	1.80	OE-6	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	1.02	0.97	0.90	0.31	0.14	0.03		1.00	0.25	0.54	0.90	1.08	
	2.60	OE-6	S26.1	D	Open Brush, Fair	83	67	96	1.82	1.76	1.68	0.80	0.51	0.23		1.00	0.20	0.78	1.30	1.56	
	3.40	OE-6	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.31	1.21	1.07	0.14	0.01	0.00		1.00	0.30	1.02	1.70	2.04	
	3.60	OE-6	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.39	2.31	2.19	0.96	0.57	0.22		1.00	0.20	1.08	1.80	2.16	
	0.10	OE-6	S26.1	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	4.60	OE-6	S26.1	C	Open Brush, Fair	77	59	92	2.76	2.64	2.47	0.92	0.47	0.12		1.00	0.25	1.38	2.30	2.76	
	0.7	F-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.47	0.45	0.43	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42	
	0.5	F-1	S26.2	D	Open Brush, Fair	83	67	96	0.35	0.34	0.32	0.15	0.10	0.04		1.00	0.20	0.15	0.25	0.30	
	0.2	F-2	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	5.5	F-2	S26.2	B	Commercial	56	36	76	4.92	4.89	4.85	4.76	4.60	4.39		0.10	0.30	0.17	0.28	0.33	
	0.2	F-2	S26.2	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	0.1	F-2	S26.2	B	Residential 2.5 acre lots	56	36	76	0.04	0.03	0.03	0.02	0.02	0.01		0.90	0.30	0.03	0.05	0.05	
	0.1	F-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	1.0	F-2	S26.2	C	Commercial	69	50	86	0.91	0.91	0.90	0.88	0.85	0.81		0.10	0.25	0.03	0.05	0.06	
	0.2	F-2	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.11	0.04	0.02	0.01		1.00	0.25	0.06	0.10	0.12	
	0.1	F-2	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05	
	3.2	F-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.13	2.05	1.95	0.86	0.51	0.20		1.00	0.20	0.96	1.60	1.92	
	3.4	F-2	S26.2	D	Commercial	75	57	91	3.14	3.12	3.09	3.04	2.93	2.78		0.10	0.20	0.10	0.17	0.20	
	3.3	F-2	S26.2	D	Open Brush, Fair	83	67	96	2.30	2.23	2.13	1.02	0.64	0.29		1.00	0.20	0.99	1.65	1.98	
	0.7	F-2	S26.2	D	Residential 2.5 acre lots	75	57	91	0.42	0.41	0.38	0.34	0.26	0.18		0.90	0.20	0.19	0.32	0.38	
	0.5	F-3	S26.2	C	Residential 2.5 acre lots	69	50	86	0.26	0.25	0.23	0.20	0.15	0.09		0.90	0.25	0.14	0.23	0.27	
	2.1	F-3	S26.2	B	Residential 2.5 acre lots	56	36	76	0.75	0.69	0.62	0.50	0.33	0.21		0.90	0.30	0.57	0.95	1.13	
	3.0	F-3	S26.2	D	Residential 2.5 acre lots	75	57	91	1.82	1.75	1.64	1.46	1.13	0.78		0.90	0.20	0.81	1.35	1.62	
	5.9	F-3	S26.2	D	Commercial	75	57	91	5.45	5.41	5.36	5.27	5.08	4.82		0.10	0.20	0.18	0.30	0.35	
	7.7	F-3	S26.2	C	Commercial	69	50	86	7.04	6.99	6.93	6.80	6.56	6.23		0.10	0.25	0.23	0.39	0.46	
	13.6	F-3	S26.2	B	Commercial	56	36	76	12.18	12.10	11.98	11.78	11.38	10.87		0.10	0.30	0.41	0.68	0.82	
	3.8	F-4	S26.2	B	Commercial	56	36	76	3.40	3.38	3.35	3.29	3.18	3.04		0.10	0.30	0.11	0.19	0.23	
	0.6	F-4	S26.2	C	Commercial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.49		0.10	0.25	0.02	0.03	0.04	
	0.1	F-4	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	2.4	F-4	S26.2	B	Residential 2.5 acre lots	56	36	76	0.85	0.79	0.71	0.57	0.37	0.24		0.90	0.30	0.65	1.08	1.30	
	2.2	F-4	S26.2	C	Residential 2.5 acre lots	69	50	86	1.15	1.09	1.01	0.87	0.64	0.41		0.90	0.25	0.59	0.99	1.19	
	0.3	F-4	S26.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.15	0.11	0.08		0.90	0.20	0.08	0.14	0.16	
	12.3	F-5	S26.2	A	Commercial	32	17	52	10.70	10.65	10.57	10.46	10.21	9.82		0.10	0.40	0.37	0.62	0.74	
	26.8	F-5	S26.2	B	Commercial	56	36	76	24.00	23.84	23.61	23.21	22.43	21.41		0.10	0.30	0.80	1.34	1.61	
	2.0	F-5	S26.2	C	Commercial	69	50	86	1.83	1.82	1.80	1.77	1.70	1.62		0.10	0.25	0.06	0.10	0.12	
	2.7	F-5	S26.2	A	Residential 2.5 acre lots	32	17	52	0.34	0.31	0.28	0.26	0.25	0.24		0.90	0.40	0.73	1.22	1.46	
	0.8	F-5	S26.2	B	Residential 2.5 acre lots	56	36	76	0.28	0.26	0.24	0.19	0.12	0.08		0.90	0.30	0.22	0.36	0.43	
	2.1	F-5	S26.2	C	Residential 2.5 acre lots	69	50	86	1.10	1.04	0.97	0.83	0.61	0.39		0.90	0.25	0.57	0.95	1.13	
	8.0	F-5	S26.2	A	Water	98	95	100	7.70	7.68	7.64	7.56	7.38	7.09		0.00	0.40	0.00	0.00	0.00	
	0.1	OF-1	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	0.5	OF-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.32	0.30	0.13	0.08	0.03		1.00	0.20	0.15	0.25	0.30	
	1.0	OF-1	S26.2	D	Open Brush, Fair	83	67	96	0.70	0.68	0.65	0.31	0.19	0.09		1.00	0.20	0.30	0.50	0.60	
	0.6	OF-10	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.34	0.32	0.30	0.10	0.05	0.01		1.00	0.25	0.18	0.30	0.36	
	0.1	OF-11	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05	
	0.4	OF-11	S26.2	C	Commercial	69	50	86	0.37	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02	
	0.3	OF-11	S26.2	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	4.3	OF-11	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.44	2.33	2.16	0.74	0.34	0.06		1.00	0.25	1.29	2.15	2.58	
	0.1	OF-13	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	1.1	OF-13	S26.2	C	Open Brush, Fair	77	59	92	0.66	0.63	0.59	0.22	0.11	0.03		1.00	0.25	0.33	0.55	0.66	
	0.1	OF-14	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.8	OF-14	S26.2	B	Woodland, Grass, Fair	65	45	83	0.33	0.31	0.28	0.04	0.01	0.00		1.00	0.30	0.24	0.40	0.48	
	1.1	OF-14	S26.2	B	Open Brush, Fair	66	46	84	0.47	0.44	0.39	0.07	0.01	0.00		1.00	0.30	0.33	0.55	0.66	
	1.5	OF-14	S26.2	C	Woodland, Grass, Fair	77	59	92	0.90	0.86											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	100	Storm Event (Year)										
						AMC			P ₂₄ (Inches)					Storm Event (Year)									
						II	I	III											HC	All			
	0.4	OF-15	S26.2	C	Open Brush, Fair	77	59	92	0.24	0.23	0.21	0.08	0.04	0.01		1.00	0.25	0.12	0.20	0.24			
	1.0	OF-15	S26.2	D	Open Brush, Fair	83	67	96	0.70	0.68	0.65	0.31	0.19	0.09		1.00	0.20	0.30	0.50	0.60			
	0.1	OF-16	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.4	OF-16	S26.2	C	Open Brush, Fair	77	59	92	0.24	0.23	0.21	0.08	0.04	0.01		1.00	0.25	0.12	0.20	0.24			
	0.6	OF-16	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.38	0.36	0.34	0.14	0.08	0.02		1.00	0.25	0.18	0.30	0.36			
	0.7	OF-16	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.50	0.49	0.46	0.23	0.15	0.07		1.00	0.20	0.21	0.35	0.42			
	0.6	OF-17	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.40	0.39	0.36	0.16	0.09	0.04		1.00	0.20	0.18	0.30	0.36			
	1.5	OF-17	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.07	1.04	1.00	0.49	0.32	0.15		1.00	0.20	0.45	0.75	0.90			
	1.7	OF-17	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.07	1.03	0.97	0.39	0.22	0.07		1.00	0.25	0.51	0.85	1.02			
	3.4	OF-17	S26.2	C	Open Brush, Fair	77	59	92	2.04	1.95	1.82	0.68	0.35	0.09		1.00	0.25	1.02	1.70	2.04			
	7.2	OF-17	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	4.09	3.89	3.62	1.23	0.57	0.10		1.00	0.25	2.16	3.60	4.32			
	0.1	OF-18	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.1	OF-18	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.6	OF-18	S26.2	B	Open Brush, Fair	66	46	84	0.26	0.24	0.22	0.04	0.01	0.00		1.00	0.30	0.18	0.30	0.36			
	2.1	OF-18	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.33	1.28	1.20	0.49	0.27	0.09		1.00	0.25	0.63	1.05	1.26			
	8.9	OF-18	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.05	4.81	4.47	1.52	0.71	0.13		1.00	0.25	2.67	4.45	5.34			
	14.8	OF-18	S26.2	C	Open Brush, Fair	77	59	92	8.87	8.49	7.94	2.97	1.52	0.39		1.00	0.25	4.44	7.40	8.88			
	0.1	OF-19	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.4	OF-19	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.27	0.26	0.24	0.11	0.06	0.02		1.00	0.20	0.12	0.20	0.24			
	0.4	OF-19	S26.2	D	Open Brush, Fair	83	67	96	0.28	0.27	0.26	0.12	0.08	0.04		1.00	0.20	0.12	0.20	0.24			
	2.9	OF-19	S26.2	B	Open Brush, Fair	66	46	84	1.24	1.16	1.04	0.18	0.03	0.00		1.00	0.30	0.87	1.45	1.74			
	5.2	OF-19	S26.2	C	Open Brush, Fair	77	59	92	3.12	2.98	2.79	1.04	0.53	0.14		1.00	0.25	1.56	2.60	3.12			
	9.5	OF-19	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.39	5.14	4.77	1.63	0.76	0.14		1.00	0.25	2.85	4.75	5.70			
	1.0	OF-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.57	0.54	0.50	0.17	0.08	0.01		1.00	0.25	0.30	0.50	0.60			
	0.6	OF-2	S26.2	C	Open Brush, Fair	77	59	92	0.36	0.34	0.32	0.12	0.06	0.02		1.00	0.25	0.18	0.30	0.36			
	2.3	OF-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.53	1.48	1.40	0.62	0.36	0.14		1.00	0.20	0.69	1.15	1.38			
	1.0	OF-2	S26.2	D	Open Brush, Fair	83	67	96	0.70	0.68	0.65	0.31	0.19	0.09		1.00	0.20	0.30	0.50	0.60			
	0.2	OF-20	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.5	OF-20	S26.2	B	Woodland, Grass, Fair	65	45	83	0.21	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	1.2	OF-20	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.76	0.73	0.69	0.28	0.15	0.05		1.00	0.25	0.36	0.60	0.72			
	3.6	OF-20	S26.2	C	Woodland, Grass, Fair	77	59	92	2.16	2.07	1.93	0.72	0.37	0.09		1.00	0.25	1.08	1.80	2.16			
	3.8	OF-20	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.80	1.69	1.54	0.36	0.11	0.00		1.00	0.30	1.14	1.90	2.28			
	6.1	OF-20	S26.2	B	Open Brush, Fair	66	46	84	2.62	2.44	2.19	0.39	0.07	0.00		1.00	0.30	1.83	3.05	3.66			
	14.3	OF-20	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	8.11	7.73	7.18	2.45	1.14	0.21		1.00	0.25	4.29	7.15	8.58			
	21.6	OF-20	S26.2	C	Open Brush, Fair	77	59	92	12.95	12.40	11.59	4.33	2.21	0.56		1.00	0.25	6.48	10.80	12.96			
	0.3	OF-21	S26.2	D	Open Brush, Fair	83	67	96	0.21	0.20	0.19	0.09	0.06	0.03		1.00	0.20	0.09	0.15	0.18			
	0.3	OF-21	S26.2	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.6	OF-21	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.40	0.39	0.36	0.16	0.09	0.04		1.00	0.20	0.18	0.30	0.36			
	2.3	OF-21	S26.2	C	Woodland, Grass, Fair	77	59	92	1.38	1.32	1.23	0.46	0.24	0.06		1.00	0.25	0.69	1.15	1.38			
	3.2	OF-21	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.82	1.73	1.61	0.55	0.26	0.05		1.00	0.25	0.96	1.60	1.92			
	0.1	OF-3	S26.2	B	Open Brush, Fair	66	46	84	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	4.6	OF-3	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.61	2.49	2.31	0.79	0.37	0.07		1.00	0.25	1.38	2.30	2.76			
	4.0	OF-3	S26.2	C	Open Brush, Fair	77	59	92	2.40	2.30	2.15	0.80	0.41	0.10		1.00	0.25	1.20	2.00	2.40			
	0.6	OF-3	S26.2	C	Woodland, Grass, Fair	77	59	92	0.36	0.34	0.32	0.12	0.06	0.02		1.00	0.25	0.18	0.30	0.36			
	2.7	OF-3	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.80	1.73	1.64	0.72	0.43	0.17		1.00	0.20	0.81	1.35	1.62			
	5.1	OF-3	S26.2	D	Open Brush, Fair	83	67	96	3.56	3.45	3.29	1.57	0.99	0.45		1.00	0.20	1.53	2.55	3.06			
	0.2	OF-4	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.11	0.04	0.02	0.01		1.00	0.25	0.06	0.10	0.12			
	0.7	OF-4	S26.2	D	Open Brush, Fair	83	67	96	0.49	0.47	0.45	0.22	0.14	0.06		1.00	0.20	0.21	0.35	0.42			
	0.2	OF-5	S26.2	D	Woodland, Grass, Fair	82	66	95	0.14	0.13	0.13	0.06	0.04	0.01		1.00	0.20	0.06	0.10	0.12			
	1.0	OF-5	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.57	0.54	0.50	0.17	0.08	0.01		1.00	0.25	0.30	0.50	0.60			
	1.4	OF-5	S26.2	C	Open Brush, Fair	77	59	92	0.84	0.80	0.75	0.28	0.14	0.04		1.00	0.25	0.42	0.70	0.84			
	4.4	OF-5	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.93	2.82	2.68	1.18	0.70	0.27		1.00	0.20	1.32	2.20	2.64			
	6.7	OF-5	S26.2	D	Open Brush, Fair	83	67	96	4.68	4.54	4.32	2.07	1.30	0.59		1.00	0.20	2.01	3.35	4.02			
	0.7	OF-6	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.47	0.45	0.43	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42			
	1.4	OF-6	S26.2	D	Woodland, Grass, Fair	82	66	95	0.95	0.92	0.88	0.40	0.25	0.10		1.00	0.20	0.42	0.70	0.84			
	5.4	OF-6	S26.2	D	Open Brush, Fair	83	67	96	3.77	3.66	3.48	1.67	1.05	0.47		1.00	0.20	1.62	2.70	3.24			
	0.6	OF-7	S26.2	B	Woodland, Grass, Fair	65	45	83	0.25	0.23	0.21	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.8	OF-7	S26.2	C	Woodland, Grass, Fair	77	59	92	0.48	0.46	0.43	0.16	0.08	0.02		1.00	0.25	0.24	0.40	0.48			
	0.8	OF-7	S26.2	B	Open Brush, Fair	66	46	84	0.34	0.32	0.29	0.05	0.01	0.00		1.00	0.30	0.24	0.40	0.48			
	1.1	OF-7	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.42	0.39	0.35	0.04	0.00	0.00		1.00	0.30	0.33	0.55	0.66			
	5.2	OF-7	S26.2	D	Woodland, Grass, Fair	82	66	95	3.54	3.43	3.26	1.50	0.92	0.38		1.00	0.20	1.56	2.60	3.12			
	6.3	OF-7	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.57	3.41	3.17	1.08	0.50	0.09		1.00	0.25	1.89	3.15	3.78			
	9.7	OF-7	S26.2	C	Open Brush, Fair	77	59	92	5.81	5.57	5.21	1.95	0.99	0.25		1.00	0.25	2.91	4.85	5.82			
	17.0	OF-7	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	11.30	10.91	10.34	4.55	2.69	1.04		1.00	0.20	5.10	8.50	10.20			
	36.6	OF-7	S26.2	D	Open Brush, Fair	83	67	96	25.56	24.77	23.62	1											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														
																						All	
	0.9	OF-8	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.43	0.40	0.36	0.09	0.02	0.00		1.00	0.30	0.27	0.45	0.54			
	3.8	OF-8	S26.2	D	Open Brush, Fair	83	67	96	2.65	2.57	2.45	1.17	0.74	0.33		1.00	0.20	1.14	1.90	2.28			
	4.2	OF-8	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.79	2.70	2.55	1.12	0.66	0.26		1.00	0.20	1.26	2.10	2.52			
	5.1	OF-8	S26.2	C	Woodland, Grass, Fair	77	59	92	3.06	2.93	2.74	1.02	0.52	0.13		1.00	0.25	1.53	2.55	3.06			
	7.0	OF-8	S26.2	C	Open Brush, Fair	77	59	92	4.20	4.02	3.76	1.40	0.72	0.18		1.00	0.25	2.10	3.50	4.20			
	12.0	OF-8	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	6.81	6.49	6.03	2.05	0.96	0.17		1.00	0.25	3.60	6.00	7.20			
	0.5	OF-9	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.36	0.35	0.33	0.16	0.11	0.05		1.00	0.20	0.15	0.25	0.30			
	0.7	OF-9	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.27	0.25	0.22	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	2.3	OF-9	S26.2	C	Woodland, Grass, Fair	77	59	92	1.38	1.32	1.23	0.46	0.24	0.06		1.00	0.25	0.69	1.15	1.38			
	2.4	OF-9	S26.2	B	Open Brush, Fair	66	46	84	1.03	0.96	0.86	0.15	0.03	0.00		1.00	0.30	0.72	1.20	1.44			
	2.5	OF-9	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.19	1.11	1.01	0.24	0.07	0.00		1.00	0.30	0.75	1.25	1.50			
	3.2	OF-9	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	2.02	1.94	1.83	0.74	0.41	0.13		1.00	0.25	0.96	1.60	1.92			
	7.4	OF-9	S26.2	D	Woodland, Grass, Fair	82	66	95	5.04	4.88	4.64	2.13	1.30	0.55		1.00	0.20	2.22	3.70	4.44			
	12.4	OF-9	S26.2	C	Open Brush, Fair	77	59	92	7.43	7.12	6.66	2.49	1.27	0.32		1.00	0.25	3.72	6.20	7.44			
	28.2	OF-9	S26.2	D	Open Brush, Fair	83	67	96	19.69	19.09	18.20	8.70	5.49	2.47		1.00	0.20	8.46	14.10	16.92			
	31.4	OF-9	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	20.88	20.16	19.10	8.40	4.97	1.92		1.00	0.20	9.42	15.70	18.84			
	42.4	OF-9	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	24.06	22.93	21.30	7.26	3.38	0.61		1.00	0.25	12.72	21.20	25.44			
	0.8	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.48	0.46	0.43	0.16	0.08	0.02		1.00	0.25	0.24	0.40	0.48			
	2.9	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.74	1.66	1.56	0.58	0.30	0.08		1.00	0.25	0.87	1.45	1.74			
	14.8	O-3	S26.3	C	Open Brush, Fair	77	59	92	8.87	8.49	7.94	2.97	1.52	0.39		1.00	0.25	4.44	7.40	8.88			
	0.2	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.25	0.05	0.09	0.11			
	0.1	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	11.7	O-4	S26.3	C	Open Brush, Fair	77	59	92	7.01	6.71	6.28	2.35	1.20	0.31		1.00	0.25	3.51	5.85	7.02			
	1.9	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	0.99	0.94	0.87	0.75	0.55	0.35		0.90	0.25	0.51	0.86	1.03			
	0.1	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.3	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.13	0.12	0.11	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	2.3	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.82	0.76	0.68	0.55	0.36	0.23		0.90	0.30	0.62	1.04	1.24			
	0.6	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.25	0.23	0.21	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	1	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.57	0.54	0.50	0.17	0.08	0.01		1.00	0.25	0.30	0.50	0.60			
	8.2	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.92	4.71	4.40	1.64	0.84	0.21		1.00	0.25	2.46	4.10	4.92			
	6.2	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	3.24	3.08	2.85	2.46	1.80	1.15		0.90	0.25	1.67	2.79	3.35			
	0.20	26.3-1	S26.3	A	Open Brush, Fair	46	28	66	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	0.20	26.3-1	S26.3	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.50	26.3-1	S26.3	B	Woodland, Grass, Fair	65	45	83	0.21	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	0.90	26.3-1	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.51	0.49	0.45	0.15	0.07	0.01		1.00	0.25	0.27	0.45	0.54			
	0.50	26.3-1	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.32	0.30	0.29	0.12	0.06	0.02		1.00	0.25	0.15	0.25	0.30			
	11.50	26.3-1	S26.3	C	Open Brush, Fair	77	59	92	6.89	6.60	6.17	2.31	1.18	0.30		1.00	0.25	3.45	5.75	6.90			
	0.30	26.3-1	S26.3	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.20	26.3-2	S26.3	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.11	0.04	0.02	0.01		1.00	0.25	0.06	0.10	0.12			
	1.30	26.3-2	S26.3	C	Open Brush, Fair	77	59	92	0.78	0.75	0.70	0.26	0.13	0.03		1.00	0.25	0.39	0.65	0.78			
	1.3	26.3-2	S26.3	A	Public Park	32	17	52	0.22	0.21	0.19	0.18	0.18	0.17		0.85	0.40	0.33	0.55	0.66			
	1.4	26.3-2	S26.3	A	Commercial, Industrial	32	17	52	1.22	1.21	1.20	1.19	1.16	1.12		0.10	0.40	0.04	0.07	0.08			
	1.7	26.3-2	S26.3	A	Residential 2.5 acre lots	32	17	52	0.21	0.19	0.17	0.16	0.16	0.15		0.90	0.40	0.46	0.77	0.92			
	12.4	26.3-2	S26.3	A	Open Brush, Fair	46	28	66	2.03	1.72	1.33	0.00	0.00	0.00		1.00	0.40	3.72	6.20	7.44			
	26.9	26.3-2	S26.3	A	Woodland, Grass, Fair	44	26	64	3.79	3.17	2.37	0.00	0.00	0.00		1.00	0.40	8.07	13.45	16.14			
	0.5	26.3-3	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.32	0.30	0.13	0.08	0.03		1.00	0.20	0.15	0.25	0.30			
	0.4	26.3-3	S26.3	B	Woodland, Grass, Fair	65	45	83	0.17	0.15	0.14	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	0.4	26.3-3	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.23	0.22	0.20	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24			
	0.6	26.3-3	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.38	0.36	0.34	0.14	0.08	0.02		1.00	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	C	Public Park	69	50	86	0.38	0.37	0.34	0.30	0.23	0.16		0.85	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	D	Chaparral, Narrowleaf, Fair	86	72	97	0.52	0.51	0.49	0.26	0.18	0.10		1.00	0.20	0.21	0.35	0.42			
	1.0	26.3-3	S26.3	D	Open Brush, Fair	83	67	96	0.70	0.68	0.65	0.31	0.19	0.09		1.00	0.20	0.30	0.50	0.60			
	1.2	26.3-3	S26.3	A	Open Brush, Fair	46	28	66	0.20	0.17	0.13	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	1.7	26.3-3	S26.3	D	Residential 2.5 acre lots	75	57	91	1.03	0.99	0.93	0.83	0.64	0.44		0.90	0.20	0.46	0.77	0.92			
	1.9	26.3-3	S26.3	C	Open Brush, Fair	77	59	92	1.14	1.09	1.02	0.38	0.19	0.05		1.00	0.25	0.57	0.95	1.14			
	2.1	26.3-3	S26.3	C	Residential 2.5 acre lots	69	50	86	1.10	1.04	0.97	0.83	0.61	0.39		0.90	0.25	0.57	0.95	1.13			
	2.9	26.3-3	S26.3	C	Chaparral, Narrowleaf, Fair	81	64	95	1.93	1.86	1.76	0.78	0.46	0.18		1.00	0.25	0.87	1.45	1.74			
	5.6	26.3-3	S26.3	C	Woodland, Grass, Fair	77	59	92	3.36	3.21	3.01	1.12	0.57	0.15		1.00	0.25	1.68	2.80	3.36			
	9.0	26.3-3	S26.3	A	Woodland, Grass, Fair	44	26	64	1.27	1.06	0.79	0.00	0.00	0.00		1.00	0.40	2.70	4.50	5.40			
	0.5	26.3-5	S26.3	B	Row Crops, Poor	81	64	95	0.33	0.32	0.30	0.13	0.08	0.03		1.00	0.30	0.15	0.25	0.30			
	0.7	26.3-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.29	0.27	0.24	0.04	0.01	0.00		1.00	0.30	0.21	0.35	0.42			
	1.3	26.3-5	S26.3	D	Public Park	75	57	91	0.81	0.78	0.74	0.67	0.53	0.38		0.85	0.20	0.33	0.55	0.66			
	1.3	26.3-5	S26.3	A	Residential 2.5 acre lots	32	17	52	0.16	0.15	0.13	0.12	0.12	0.12		0.90	0.40	0.35	0.59	0.70			
	1.9	26.3-5	S26.3	A	Row Crops, Poor	72	53	89	0.99	0.94	0.86	0.25	0.10	0.01		1.00	0.40	0.57	0.95	1.14			
	2.1	26.3-5	S26.3	C	Public Park	69	50	86	1.15	1.10	1.02	0.90	0.68	0.47		0.85	0.25	0.54	0.89	1.07			
	3.2	26.3-5	S26.3	A	Open Brush, Fair	46	28																

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII							5.63							
	0.4	26.3-6	S26.3	D	Public Park	75	57	91	0.25	0.24	0.23	0.20	0.16	0.12		0.85	0.20	0.10	0.17	0.20			
	0.6	26.3-6	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.40	0.39	0.36	0.16	0.09	0.04		1.00	0.20	0.18	0.30	0.36			
	1.1	26.3-6	S26.3	A	Commercial, Industrial	32	17	52	0.96	0.95	0.95	0.94	0.91	0.88		0.10	0.40	0.03	0.06	0.07			
	0.8	26.3-6	S26.3	A	Public Park	32	17	52	0.14	0.13	0.12	0.11	0.11	0.11		0.85	0.40	0.20	0.34	0.41			
	0.8	26.3-6	S26.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.17	0.15	0.12	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48			
	0.9	26.3-6	S26.3	B	Woodland, Grass, Fair	65	45	83	0.37	0.35	0.31	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54			
	1.5	26.3-6	S26.3	A	Row Crops, Poor	72	53	89	0.78	0.74	0.68	0.20	0.08	0.01		1.00	0.40	0.45	0.75	0.90			
	1.6	26.3-6	S26.3	C	Open Brush, Fair	77	59	92	0.96	0.92	0.86	0.32	0.16	0.04		1.00	0.25	0.48	0.80	0.96			
	1.8	26.3-6	S26.3	D	Open Brush, Fair	83	67	96	1.26	1.22	1.16	0.56	0.35	0.16		1.00	0.20	0.54	0.90	1.08			
	1.9	26.3-6	S26.3	C	Woodland, Grass, Fair	77	59	92	1.14	1.09	1.02	0.38	0.19	0.05		1.00	0.25	0.57	0.95	1.14			
	3.3	26.3-6	S26.3	B	Open Brush, Fair	66	46	84	1.42	1.32	1.18	0.21	0.04	0.00		1.00	0.30	0.99	1.65	1.98			
	3.7	26.3-6	S26.3	C	Public Park	69	50	86	2.03	1.93	1.80	1.58	1.20	0.83		0.85	0.25	0.94	1.57	1.89			
	3.9	26.3-6	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	2.21	2.11	1.96	0.67	0.31	0.06		1.00	0.25	1.17	1.95	2.34			
	5.9	26.3-6	S26.3	B	Public Park	56	36	76	2.30	2.15	1.95	1.64	1.17	0.84		0.85	0.30	1.50	2.51	3.01			
	9.1	26.3-6	S26.3	A	Woodland, Grass, Fair	44	26	64	1.28	1.07	0.80	0.00	0.00	0.00		1.00	0.40	2.73	4.55	5.46			
	20.6	26.3-6	S26.3	A	Open Brush, Fair	46	28	66	3.37	2.86	2.21	0.00	0.00	0.00		1.00	0.40	6.18	10.30	12.36			
	1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.41	1.40	1.38	1.35	1.28	1.20		0.20	0.20	0.10	0.16	0.19			
	0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.95	0.94	0.93	0.91	0.86	0.80		0.20	0.25	0.07	0.11	0.13			
	0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.18	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.37	1.36	1.35	1.33	1.28	1.21		0.10	0.25	0.05	0.08	0.09			
	0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01			
	0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.61	0.60	0.59	0.58	0.55	0.51		0.20	0.25	0.04	0.07	0.08			
	0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.44	0.44	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06			
	1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.74	1.73	1.71	1.68	1.62	1.54		0.10	0.25	0.06	0.10	0.11			
	2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.31	2.29	2.27	2.23	2.15	2.04		0.10	0.20	0.08	0.13	0.15			
	0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.69	0.68	0.66	0.63	0.58		0.20	0.25	0.05	0.08	0.10			
	0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.62	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08			
	0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	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	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	0.2	C1-13	S27.2	C	Public Park	69	50	86	0.11	0.10	0.10	0.09	0.07	0.04		0.85	0.25	0.05	0.09	0.10			
	6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.28	5.23	5.15	5.02	4.77	4.46		0.20	0.25	0.37	0.61	0.73			
	6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.39	5.34	5.27	5.14	4.89	4.56		0.20	0.20	0.37	0.61	0.73			
	1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.53	1.50	1.45	1.37		0.10	0.25	0.05	0.09	0.10			
	1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.12	1.06		0.10	0.20	0.04	0.07	0.08			
	3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.60	2.57	2.53	2.47	2.34	2.19		0.20	0.25	0.18	0.30	0.36			
	2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.86	1.84	1.81	1.77	1.68	1.57		0.20	0.20	0.13	0.21	0.25			
	3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.66	2.60	2.51	2.37	2.11	1.84		0.50	0.25	0.56	0.93	1.11			
	6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.59	4.50	4.37	4.14	3.72	3.23		0.50	0.20	0.90	1.50	1.80			
	0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.35	0.34	0.34	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05			
	0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.15	0.11	0.08		0.90	0.20	0.08	0.14	0.16			
	6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.89	4.78	4.62	4.35	3.88	3.38		0.50	0.25	1.02	1.70	2.04			
	19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.61	14.33	13.91	13.18	11.83	10.27		0.50	0.20	2.87	4.78	5.73			
	0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.37	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02			
	0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.28	0.20	0.13		0.90	0.25	0.19	0.32	0.38			
	8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.39	6.25	6.05	5.70	5.08	4.42		0.50	0.25	1.34	2.23	2.67			
	7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.66	5.55	5.39	5.11	4.58	3.98		0.50	0.20	1.11	1.85	2.22			
	0.1	C1-17	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
	1.4	C1-17	S27.2	A	Commercial, Industrial	32	17	52	1.22	1.21	1.20	1.19	1.16	1.12		0.10	0.40	0.04	0.07	0.08			
	4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.30	4.27	4.23	4.16	4.02	3.84		0.10	0.30	0.14	0.24	0.29			
	5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.57	4.54	4.50	4.42	4.26	4.04		0.10	0.25	0.15	0.25	0.30			
	3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.42	3.40	3.36	3.31	3.19	3.02		0.10	0.20	0.11	0.19	0.22			
	5.0	C1-17	S27.2	D	Public Park	75	57	91	3.13	3.02	2.85	2.56	2.04	1.47		0.85	0.20	1.28	2.13	2.55			
	4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.46	3.43	3.38	3.29	3.13	2.92		0.20	0.25	0.24	0.40	0.48			
	12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.22	11.12	10.97	10.70	10.17	9.49		0.20	0.20	0.76	1.27	1.52			
	1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.39	0.36	0.32	0.26	0.17	0.11		0.90	0.30	0.30	0.50	0.59			
	1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.78	0.75	0.69	0.60	0.44	0.28		0.90	0.25	0.41	0.68	0.81			
	2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.52	1.46	1.37	1.22	0.94	0.65		0.90	0.20	0.68	1.13	1.35			
	0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.06	0.05	0.04		0.50	0.30	0.02	0.03	0.03			
	4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.23	3.16	3.06	2.88	2.57	2.24		0.50	0.25	0.68	1.13	1.35			
	1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	1.07	1.05	1.02	0.97	0.87	0.75		0.50	0						

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III						AMC 1/AMCII									
	0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.18	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	0.7	C1-21	S27.2	C	School	69	50	86	0.47	0.46	0.44	0.41	0.35	0.29		0.60	0.25	0.13	0.21	0.25			
	0.1	C1-22	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
	2.0	C1-22	S27.2	C	Public Park	69	50	86	1.09	1.05	0.97	0.85	0.65	0.45		0.85	0.25	0.51	0.85	1.02			
	2.1	C1-22	S27.2	D	Public Park	75	57	91	1.32	1.27	1.20	1.08	0.86	0.62		0.85	0.20	0.54	0.89	1.07			
	5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.84	4.80	4.73	4.61	4.38	4.09		0.20	0.25	0.34	0.56	0.67			
	0.9	C1-22	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.80	0.79	0.78	0.76	0.72	0.67		0.20	0.20	0.05	0.09	0.11			
	3.1	C1-22	S27.2	C	School	69	50	86	2.08	2.02	1.94	1.80	1.55	1.30		0.60	0.25	0.56	0.93	1.12			
	0.3	C1-22	S27.2	D	School	75	57	91	0.22	0.21	0.20	0.19	0.17	0.14		0.60	0.20	0.05	0.09	0.11			
	1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	1.01	1.00	0.99	0.97	0.94	0.89		0.10	0.25	0.03	0.06	0.07			
	1.1	C1-23	S27.2	D	Commercial, Industrial	75	57	91	1.02	1.01	1.00	0.98	0.95	0.90		0.10	0.20	0.03	0.06	0.07			
	3.1	C1-23	S27.2	C	Public Park	69	50	86	1.70	1.62	1.51	1.32	1.01	0.69		0.85	0.25	0.79	1.32	1.58			
	2.6	C1-23	S27.2	D	Public Park	75	57	91	1.63	1.57	1.48	1.33	1.06	0.76		0.85	0.20	0.66	1.11	1.33			
	4.8	C1-23	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.15	4.11	4.05	3.95	3.75	3.51		0.20	0.25	0.29	0.48	0.58			
	3.4	C1-23	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.00	2.98	2.94	2.87	2.72	2.54		0.20	0.20	0.20	0.34	0.41			
	3.1	C1-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.68	2.66	2.62	2.55	2.42	2.27		0.20	0.25	0.19	0.31	0.37			
	5.0	C1-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	4.42	4.38	4.32	4.21	4.00	3.74		0.20	0.20	0.30	0.50	0.60			
	0.2	C1-24	S27.2	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.25	0.05	0.09	0.11			
	1.2	C1-24	S27.2	D	Residential 2.5 acre lots	75	57	91	0.73	0.70	0.66	0.58	0.45	0.31		0.90	0.20	0.32	0.54	0.65			
	13.9	C1-24	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	9.99	9.76	9.45	8.90	7.94	6.91		0.50	0.25	2.09	3.48	4.17			
	18.6	C1-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.23	13.95	13.55	12.84	11.52	10.00		0.50	0.20	2.79	4.65	5.58			
	1.0	C1-25	S27.2	B	Commercial, Industrial	56	36	76	0.90	0.89	0.88	0.87	0.84	0.80		0.10	0.30	0.03	0.05	0.06			
	6.1	C1-25	S27.2	C	Commercial, Industrial	69	50	86	5.58	5.54	5.49	5.39	5.20	4.93		0.10	0.25	0.18	0.31	0.37			
	12.9	C1-25	S27.2	D	Commercial, Industrial	75	57	91	11.91	11.84	11.73	11.53	11.11	10.54		0.10	0.20	0.39	0.65	0.77			
	0.3	C1-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.27	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
	0.9	C1-25	S27.2	B	Residential 2.5 acre lots	56	36	76	0.32	0.30	0.26	0.21	0.14	0.09		0.90	0.30	0.24	0.41	0.49			
	12.8	C1-25	S27.2	C	Residential 2.5 acre lots	69	50	86	6.70	6.36	5.88	5.08	3.72	2.37		0.90	0.25	3.46	5.76	6.91			
	23.2	C1-25	S27.2	D	Residential 2.5 acre lots	75	57	91	14.08	13.52	12.70	11.30	8.76	6.00		0.90	0.20	6.26	10.44	12.53			
	0.3	C1-25	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.22	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09			
	0.3	C1-25	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.23	0.22	0.21	0.19	0.16		0.50	0.20	0.05	0.08	0.09			
	4.8	C1-26	S27.2	C	Commercial, Industrial	69	50	86	4.39	4.36	4.32	4.24	4.09	3.88		0.10	0.25	0.14	0.24	0.29			
	4.8	C1-26	S27.2	D	Commercial, Industrial	75	57	91	4.43	4.40	4.36	4.29	4.14	3.92		0.10	0.20	0.14	0.24	0.29			
	0.1	C1-26	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	6.3	C1-26	S27.2	D	Public Park	75	57	91	3.95	3.80	3.59	3.23	2.57	1.85		0.85	0.20	1.61	2.68	3.21			
	5.0	C1-26	S27.2	B	Residential 10+ dwellings/acre	56	36	76	4.14	4.10	4.04	3.94	3.76	3.56		0.20	0.30	0.30	0.50	0.60			
	43.3	C1-26	S27.2	C	Residential 10+ dwellings/acre	69	50	86	37.46	37.10	36.56	35.63	33.84	31.64		0.20	0.25	2.60	4.33	5.20			
	38.7	C1-26	S27.2	D	Residential 10+ dwellings/acre	75	57	91	34.20	33.89	33.44	32.62	31.00	28.91		0.20	0.20	2.32	3.87	4.64			
	2.3	C1-26	S27.2	C	Residential 2.5 acre lots	69	50	86	1.20	1.14	1.06	0.91	0.67	0.43		0.90	0.25	0.62	1.04	1.24			
	3.6	C1-26	S27.2	D	Residential 2.5 acre lots	75	57	91	2.19	2.10	1.97	1.75	1.36	0.93		0.90	0.20	0.97	1.62	1.94			
	0.5	C1-27	S27.2	A	Apartments	32	17	52	0.39	0.39	0.38	0.38	0.37	0.35		0.20	0.40	0.03	0.05	0.06			
	14.8	C1-27	S27.2	B	Apartments	56	36	76	12.25	12.13	11.95	11.65	11.13	10.53		0.20	0.30	0.89	1.48	1.78			
	1.9	C1-27	S27.2	C	Apartments	69	50	86	1.64	1.63	1.60	1.56	1.49	1.39		0.20	0.25	0.11	0.19	0.23			
	9.9	C1-27	S27.2	D	Apartments	75	57	91	8.75	8.67	8.55	8.34	7.93	7.40		0.20	0.20	0.59	0.99	1.19			
	1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.57	1.56	1.55	1.53	1.49	1.44		0.10	0.40	0.05	0.09	0.11			
	8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.52	7.47	7.40	7.27	7.03	6.71		0.10	0.30	0.25	0.42	0.50			
	7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.95	6.90	6.84	6.72	6.47	6.15		0.10	0.25	0.23	0.38	0.46			
	14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.93	12.85	12.73	12.51	12.06	11.44		0.10	0.20	0.42	0.70	0.84			
	1.4	C1-27	S27.2	C	Public Park	69	50	86	0.77	0.73	0.68	0.60	0.46	0.31		0.85	0.25	0.36	0.60	0.71			
	0.3	C1-27	S27.2	D	Public Park	75	57	91	0.19	0.18	0.17	0.15	0.12	0.09		0.85	0.20	0.08	0.13	0.15			
	0.2	C1-27	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.16	0.15	0.15	0.15	0.15	0.14		0.20	0.40	0.01	0.02	0.02			
	0.3	C1-27	S27.2	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.25	0.24	0.24	0.23	0.21		0.20	0.30	0.02	0.03	0.04			
	12.2	C1-27	S27.2	C	Residential 10+ dwellings/acre	69	50	86	10.55	10.45	10.30	10.04	9.54	8.92		0.20	0.25	0.73	1.22	1.46			
	17.6	C1-27	S27.2	D	Residential 10+ dwellings/acre	75	57	91	15.55	15.41	15.21	14.83	14.10	13.15		0.20	0.20	1.06	1.76	2.11			
	0.3	C1-27	S27.2	B	Residential 2.5 acre lots	56	36	76	0.11	0.10	0.09	0.07	0.05	0.03		0.90	0.30	0.08	0.14	0.16			
	0.9	C1-27	S27.2	C	Residential 2.5 acre lots	69	50	86	0.47	0.45	0.41	0.36	0.26	0.17		0.90	0.25	0.24	0.41	0.49			
	9.3	C1-27	S27.2	D	Residential 2.5 acre lots	75	57	91	5.64	5.42	5.09	4.53	3.51	2.41		0.90	0.20	2.51	4.19	5.02			
	0.2	C1-27	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.13	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06			
	5.3	C1-27	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.81	3.72	3.60	3.39	3.03	2.63		0.50	0.25	0.80	1.33	1.59			
	28.3	C1-27	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	21.65	21.23	20.61	19.53	17.53	15.22		0.50	0.20	4.25	7.08	8.49			
	3.8	C1-27	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	2.92	2.86	2.79	2.66	2.44	2.18		0.40	0.25	0.46	0.76	0.91			
	4.1	C1-27	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	3.30	3.25	3.17	3.04	2.79	2.49		0.40	0.20	0.49	0.82	0.98			
	0.3	C1-27	S27.2	C	School	69	5																

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	100								
								AMC			P ₂₄ (Inches)											
								II	I	III								AMC 1/AMCII	5.63			

	17.5	C1-30	S27.2	A	Apartments	32	17	52	13.59	13.50	13.39	13.22	12.91	12.41		0.20	0.40	1.05	1.75	2.10	
	1.5	C1-30	S27.2	B	Apartments	56	36	76	1.24	1.23	1.21	1.18	1.13	1.07		0.20	0.30	0.09	0.15	0.18	
	0.7	C1-30	S27.2	C	Apartments	69	50	86	0.61	0.60	0.59	0.58	0.55	0.51		0.20	0.25	0.04	0.07	0.08	
	0.1	C1-30	S27.2	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.06	
	44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.79	38.60	38.34	37.91	37.01	35.59		0.10	0.40	1.34	2.23	2.68	
	0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.63	0.62	0.62	0.61	0.59	0.56		0.10	0.30	0.02	0.04	0.04	
	2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.83	1.82	1.80	1.77	1.70	1.62		0.10	0.25	0.06	0.10	0.12	
	4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.79	3.76	3.73	3.66	3.53	3.35		0.10	0.20	0.12	0.21	0.25	
	0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.65	2.63	2.61	2.56	2.47	2.35		0.10	0.25	0.09	0.15	0.17	
	4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.15	4.13	4.09	4.02	3.88	3.68		0.10	0.20	0.14	0.23	0.27	
	5.7	C1-4	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.93	4.88	4.81	4.69	4.46	4.17		0.20	0.25	0.34	0.57	0.68	
	2.4	C1-4	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.12	2.10	2.07	2.02	1.92	1.79		0.20	0.20	0.14	0.24	0.29	
	0.5	C1-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.38	0.38	0.37	0.35	0.32	0.29		0.40	0.25	0.06	0.10	0.12	
	5.7	C1-4	S27.2	C	School	69	50	86	3.82	3.71	3.56	3.30	2.85	2.39		0.60	0.25	1.03	1.71	2.05	
	6.7	C1-4	S27.2	D	School	75	57	91	4.86	4.75	4.58	4.28	3.74	3.14		0.60	0.20	1.21	2.01	2.41	
	0.1	C1-4	S27.2	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.91	0.91	0.90	0.88	0.85	0.81		0.10	0.25	0.03	0.05	0.06	
	0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.83	0.83	0.82	0.80	0.78	0.74		0.10	0.20	0.03	0.05	0.05	
	0.6	C1-5	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.51	0.49	0.47	0.44		0.20	0.25	0.04	0.06	0.07	
	0.1	C1-5	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
	0.1	C1-5	S27.2	C	School	69	50	86	0.07	0.07	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04	
	0.5	C1-5	S27.2	D	School	75	57	91	0.36	0.35	0.34	0.32	0.28	0.23		0.60	0.20	0.09	0.15	0.18	
	1.7	C1-6	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.53	1.50	1.45	1.37		0.10	0.25	0.05	0.09	0.10	
	4.4	C1-6	S27.2	D	Commercial, Industrial	75	57	91	4.06	4.04	4.00	3.93	3.79	3.59		0.10	0.20	0.13	0.22	0.26	
	0.6	C1-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.51	0.49	0.47	0.44		0.20	0.25	0.04	0.06	0.07	
	1.3	C1-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.15	1.14	1.12	1.10	1.04	0.97		0.20	0.20	0.08	0.13	0.16	
	2.8	C1-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.88	1.82	1.75	1.62	1.40	1.17		0.60	0.25	0.50	0.84	1.01	
	7.1	C1-6	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	5.15	5.03	4.85	4.54	3.97	3.32		0.60	0.20	1.28	2.13	2.56	
	3.3	C1-7	S27.2	C	Commercial, Industrial	69	50	86	3.02	3.00	2.97	2.92	2.81	2.67		0.10	0.25	0.10	0.17	0.20	
	0.4	C1-7	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.33		0.10	0.20	0.01	0.02	0.02	
	0.1	C1-7	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05	
	0.2	C1-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.14	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	1.2	C2-1	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.92	0.90	0.88	0.84	0.77	0.69		0.40	0.25	0.14	0.24	0.29	
	0.5	C2-10	S27.2	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.19	0.13		0.90	0.20	0.14	0.23	0.27	
	0.2	C2-10	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.15	0.14	0.14	0.13	0.11	0.09		0.60	0.20	0.04	0.06	0.07	
	0.9	C2-11	S27.2	C	Residential 2.5 acre lots	69	50	86	0.47	0.45	0.41	0.36	0.26	0.17		0.90	0.25	0.24	0.41	0.49	
	0.3	C2-11	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.15	0.11	0.08		0.90	0.20	0.08	0.14	0.16	
	0.1	C2-11	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05		0.60	0.20	0.02	0.03	0.04	
	0.1	C2-11	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	0.3	C2-11	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.23	0.22	0.21	0.19	0.16		0.50	0.20	0.05	0.08	0.09	
	2.0	C2-12	S27.2	C	Residential 2.5 acre lots	69	50	86	1.05	0.99	0.92	0.79	0.58	0.37		0.90	0.25	0.54	0.90	1.08	
	0.4	C2-12	S27.2	D	Residential 2.5 acre lots	75	57	91	0.24	0.23	0.22	0.19	0.15	0.10		0.90	0.20	0.11	0.18	0.22	
	0.4	C2-12	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.29	0.28	0.27	0.26	0.23	0.20		0.50	0.25	0.06	0.10	0.12	
	0.3	C2-12	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.23	0.22	0.21	0.19	0.16		0.50	0.20	0.05	0.08	0.09	
	0.1	C2-13	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	1.5	C2-13	S27.2	C	Commercial, Industrial	69	50	86	1.37	1.36	1.35	1.33	1.28	1.21		0.10	0.25	0.05	0.08	0.09	
	0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.46	1.39	1.29	1.11	0.81	0.52		0.90	0.25	0.76	1.26	1.51	
	1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.61	0.58	0.55	0.49	0.38	0.26		0.90	0.20	0.27	0.45	0.54	
	0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.14	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.08	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03	
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.82	0.82	0.81	0.80	0.77	0.73		0.10	0.25	0.03	0.05	0.05	
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.55	0.55	0.55	0.54	0.52	0.49		0.10	0.20	0.02	0.03	0.04	
	6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.53	4.43	4.28	4.03	3.60	3.13		0.50	0.25	0.95	1.58	1.89	
	3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.83	2.78	2.70	2.55	2.29	1.99		0.50	0.20	0.56	0.93	1.11	
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.38	1.37	1.35	1.32	1.25	1.17		0.20	0.25	0.10	0.16	0.19	
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.63	9.55	9.42	9.19	8.73	8.14		0.20	0.20	0.65	1.09	1.31	
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.19	1.18	1.17	1.15	1.11	1.05		0.10	0.25	0.04	0.07	0.08	
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.12	1.06		0.10	0.20	0.04	0.07	0.08	
	1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.95	0.94	0.93	0.91	0.86	0.80		0.20	0.25	0.07	0.11	0.13	
	7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	6.19	6.13	6.05	5.90	5.61	5.23		0.20	0.20	0.42	0.70	0.84	
	0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.29	0.28	0.27	0.26	0.22	0.19		0.60	0.20	0.07	0.12	0.14	
	4.9	C2-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.52	3.44	3.33	3.14	2.80	2.43		0.50	0.25	0.74	1.23	1.47	
	9																				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	100											
						AMC			P ₂₄ (Inches)							5.63										
						II	I	III							AMC 1/AMCII											
	0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.15	0.14	0.14	0.13	0.11	0.09		0.60	0.20	0.04	0.06	0.07						
	1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.79	0.76	0.71	0.63	0.49	0.34		0.90	0.20	0.35	0.59	0.70						
	0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.36	0.35	0.34	0.32	0.28	0.23		0.60	0.20	0.09	0.15	0.18						
	0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.28	0.26	0.24	0.19	0.12	0.08		0.90	0.30	0.22	0.36	0.43						
	1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.63	0.60	0.55	0.48	0.35	0.22		0.90	0.25	0.32	0.54	0.65						
	0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.12	0.12	0.11	0.10	0.08	0.05		0.90	0.20	0.05	0.09	0.11						
	0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.22	0.22	0.21	0.19	0.16	0.14		0.60	0.30	0.07	0.12	0.14						
	1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.14	1.11	1.06	0.99	0.85	0.71		0.60	0.25	0.31	0.51	0.61						
	0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05		0.60	0.20	0.02	0.03	0.04						
	0.8	C2-23	S27.2	C	Apartments	69	50	86	0.69	0.69	0.68	0.66	0.63	0.58		0.20	0.25	0.05	0.08	0.10						
	0.4	C2-23	S27.2	D	Apartments	75	57	91	0.35	0.35	0.35	0.34	0.32	0.30		0.20	0.20	0.02	0.04	0.05						
	0.9	C2-23	S27.2	B	Public Park	56	36	76	0.35	0.33	0.30	0.25	0.18	0.13		0.85	0.30	0.23	0.38	0.46						
	0.4	C2-23	S27.2	C	Public Park	69	50	86	0.22	0.21	0.19	0.17	0.13	0.09		0.85	0.25	0.10	0.17	0.20						
	0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.04	0.03	0.03	0.02	0.02	0.01		0.90	0.30	0.03	0.05	0.05						
	0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.28	0.20	0.13		0.90	0.25	0.19	0.32	0.38						
	3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.84	1.78	1.70	1.56	1.36	1.19		0.60	0.30	0.59	0.99	1.19						
	2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.41	1.37	1.31	1.22	1.05	0.88		0.60	0.25	0.38	0.63	0.76						
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.20	3.17	3.12	3.04	2.89	2.70		0.20	0.25	0.22	0.37	0.44						
	6.8	C2-24	S27.2	D	Apartments	75	57	91	6.01	5.96	5.88	5.73	5.45	5.08		0.20	0.20	0.41	0.68	0.82						
	0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.61	0.60	0.59	0.58	0.55	0.51		0.20	0.25	0.04	0.07	0.08						
	2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.30	2.28	2.25	2.19	2.08	1.94		0.20	0.20	0.16	0.26	0.31						
	2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.47	1.43	1.37	1.27	1.10	0.92		0.60	0.25	0.40	0.66	0.79						
	9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	7.18	7.01	6.76	6.33	5.53	4.63		0.60	0.20	1.78	2.97	3.56						
	1.3	C2-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.99	0.98	0.95	0.90	0.81	0.70		0.50	0.20	0.20	0.33	0.39						
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.53	1.50	1.45	1.37		0.10	0.25	0.05	0.09	0.10						
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.68	2.66	2.64	2.59	2.50	2.37		0.10	0.20	0.09	0.15	0.17						
	3.6	C2-25	S27.2	D	Public Park	75	57	91	2.26	2.17	2.05	1.84	1.47	1.06		0.85	0.20	0.92	1.53	1.84						
	4.5	C2-25	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.89	3.86	3.80	3.70	3.52	3.29		0.20	0.25	0.27	0.45	0.54						
	4.5	C2-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.98	3.94	3.89	3.79	3.60	3.36		0.20	0.20	0.27	0.45	0.54						
	0.1	C2-25	S27.2	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.03		0.90	0.20	0.03	0.05	0.05						
	0.8	C2-25	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.61	0.60	0.59	0.56	0.51	0.46		0.40	0.25	0.10	0.16	0.19						
	0.2	C2-25	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.14	0.12		0.40	0.20	0.02	0.04	0.05						
	0.7	C2-26	S27.2	A	Public Park	32	17	52	0.12	0.11	0.10	0.10	0.10	0.09		0.85	0.40	0.18	0.30	0.36						
	8.9	C2-26	S27.2	B	Public Park	56	36	76	3.47	3.24	2.94	2.47	1.77	1.26		0.85	0.30	2.27	3.78	4.54						
	1.2	C2-26	S27.2	C	Public Park	69	50	86	0.66	0.63	0.58	0.51	0.39	0.27		0.85	0.25	0.31	0.51	0.61						
	3.7	C2-26	S27.2	D	Public Park	75	57	91	2.32	2.23	2.11	1.90	1.51	1.09		0.85	0.20	0.94	1.57	1.89						
	7.4	C2-27	S27.2	A	Apartments	32	17	52	5.75	5.71	5.66	5.59	5.46	5.25		0.20	0.40	0.44	0.74	0.89						
	15.0	C2-27	S27.2	B	Apartments	56	36	76	12.42	12.29	12.11	11.81	11.28	10.67		0.20	0.30	0.90	1.50	1.80						
	5.8	C2-27	S27.2	C	Apartments	69	50	86	5.02	4.97	4.90	4.77	4.53	4.24		0.20	0.25	0.35	0.58	0.70						
	2.5	C2-27	S27.2	D	Apartments	75	57	91	2.21	2.19	2.16	2.11	2.00	1.87		0.20	0.20	0.15	0.25	0.30						
	9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.91	7.88	7.82	7.74	7.55	7.26		0.10	0.40	0.27	0.46	0.55						
	1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.34	1.33	1.32	1.30	1.26	1.20		0.10	0.30	0.05	0.08	0.09						
	0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.46	0.45	0.45	0.44	0.43	0.40		0.10	0.25	0.02	0.03	0.03						
	0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.33		0.10	0.20	0.01	0.02	0.02						
	0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06						
	2.0	C2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	1.05	0.99	0.92	0.79	0.58	0.37		0.90	0.25	0.54	0.90	1.08						
	8.8	C2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	5.89	5.73	5.50	5.10	4.41	3.69		0.60	0.25	1.58	2.64	3.17						
	0.1	C2-3	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02						
	4.9	C2-3	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.76	3.69	3.60	3.44	3.14	2.82		0.40	0.25	0.59	0.98	1.18						
	0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.25	0.00	0.01	0.01						
	0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01						
	0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06						
	4.9	C2-4	S27.2	C	Residential 2.5 acre lots	69	50	86	2.56	2.43	2.25	1.95	1.42	0.91		0.90	0.25	1.32	2.21	2.65						
	1.5	C2-4	S27.2	D	Residential 2.5 acre lots	75	57	91	0.91	0.87	0.82	0.73	0.57	0.39		0.90	0.20	0.41	0.68	0.81						
	1.0	C2-4	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.67	0.65	0.62	0.58	0.50	0.42		0.60	0.25	0.18	0.30	0.36						

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	Storm Event (Year)									
						100	50	25	10	5	2	100	EV						HC				
						AMC			P ₂₄ (Inches)														
						II	I	III					AMC 1/AMCII	5.63									
	0.9	C2-6	S27.2	D	Public Park	75	57	91	0.56	0.54	0.51	0.46	0.37	0.26		0.85	0.20	0.23	0.38	0.46			
	36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	31.49	31.18	30.74	29.95	28.45	26.60		0.20	0.25	2.18	3.64	4.37			
	13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	12.02	11.91	11.75	11.46	10.89	10.16		0.20	0.20	0.82	1.36	1.63			
	4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	2.46	2.34	2.16	1.87	1.36	0.87		0.90	0.25	1.27	2.12	2.54			
	2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.27	1.22	1.15	1.02	0.79	0.54		0.90	0.20	0.57	0.95	1.13			
	0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.07	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04			
	0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.22	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09			
	0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.08	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02			
	9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	7.14	7.01	6.83	6.52	5.96	5.35		0.40	0.25	1.12	1.86	2.23			
	0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.71	0.70	0.67	0.61	0.55		0.40	0.20	0.11	0.18	0.22			
	0.3	C2-7	S27.2	D	Apartments	75	57	91	0.27	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
	0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04			
	9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.32	8.26	8.18	8.04	7.75	7.36		0.10	0.25	0.27	0.46	0.55			
	6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.19	6.15	6.09	5.99	5.77	5.47		0.10	0.20	0.20	0.34	0.40			
	0.5	C2-7	S27.2	C	Public Park	69	50	86	0.27	0.26	0.24	0.21	0.16	0.11		0.85	0.25	0.13	0.21	0.26			
	2.6	C2-7	S27.2	D	Public Park	75	57	91	1.63	1.57	1.48	1.33	1.06	0.76		0.85	0.20	0.66	1.11	1.33			
	0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.47	0.46	0.46	0.45	0.44	0.43		0.20	0.40	0.04	0.06	0.07			
	2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.99	1.97	1.94	1.89	1.80	1.71		0.20	0.30	0.14	0.24	0.29			
	10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	9.17	9.08	8.95	8.72	8.29	7.75		0.20	0.25	0.64	1.06	1.27			
	0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.53	0.52	0.51	0.48	0.45		0.20	0.20	0.04	0.06	0.07			
	1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.99	0.94	0.87	0.75	0.55	0.35		0.90	0.25	0.51	0.86	1.03			
	0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.42	0.41	0.38	0.34	0.26	0.18		0.90	0.20	0.19	0.32	0.38			
	14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	9.58	9.31	8.93	8.29	7.16	5.99		0.60	0.25	2.57	4.29	5.15			
	15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	11.10	10.84	10.45	9.78	8.55	7.16		0.60	0.20	2.75	4.59	5.51			
	0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.20	0.20	0.19	0.19	0.18	0.18		0.50	0.40	0.06	0.10	0.12			
	1.5	C2-7	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.94	0.91	0.88	0.83	0.74	0.67		0.50	0.30	0.23	0.38	0.45			
	5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.66	3.58	3.47	3.27	2.91	2.53		0.50	0.25	0.77	1.28	1.53			
	0.9	C2-7	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.69	0.68	0.66	0.62	0.56	0.48		0.50	0.20	0.14	0.23	0.27			
	3.5	C2-7	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	2.43	2.38	2.31	2.21	2.04	1.88		0.40	0.30	0.42	0.70	0.84			
	8.4	C2-7	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.45	6.33	6.17	5.89	5.39	4.83		0.40	0.25	1.01	1.68	2.02			
	2.8	C2-7	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	2.25	2.22	2.17	2.08	1.90	1.70		0.40	0.20	0.34	0.56	0.67			
	0.6	C2-7	S27.2	B	School	56	36	76	0.33	0.32	0.31	0.28	0.25	0.22		0.60	0.30	0.11	0.18	0.22			
	1.5	C2-7	S27.2	C	School	69	50	86	1.00	0.98	0.94	0.87	0.75	0.63		0.60	0.25	0.27	0.45	0.54			
	3.5	C2-7	S27.2	D	School	75	57	91	2.54	2.48	2.39	2.24	1.96	1.64		0.60	0.20	0.63	1.05	1.26			
	0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.63	0.62	0.62	0.61	0.59	0.56		0.10	0.30	0.02	0.04	0.04			
	0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.33		0.10	0.20	0.01	0.02	0.02			
	5.7	C2-8	S27.2	B	Public Park	56	36	76	2.22	2.08	1.88	1.58	1.13	0.81		0.85	0.30	1.45	2.42	2.91			
	4.5	C2-8	S27.2	C	Public Park	69	50	86	2.46	2.35	2.19	1.92	1.46	1.01		0.85	0.25	1.15	1.91	2.30			
	9.4	C2-8	S27.2	D	Public Park	75	57	91	5.89	5.67	5.36	4.82	3.83	2.76		0.85	0.20	2.40	4.00	4.79			
	0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.25	0.06	0.10	0.12			
	1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.72	0.69	0.64	0.24	0.12	0.03		1.00	0.25	0.36	0.60	0.72			
	1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	1.13	1.09	1.03	0.45	0.27	0.10		1.00	0.25	0.51	0.85	1.02			
	0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.45	0.44	0.42	0.23	0.16	0.08		1.00	0.20	0.18	0.30	0.36			
	1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.79	0.76	0.70	0.24	0.11	0.02		1.00	0.25	0.42	0.70	0.84			
	0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.27	0.26	0.24	0.11	0.06	0.02		1.00	0.20	0.12	0.20	0.24			
	8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	5.58	5.39	5.11	2.25	1.33	0.51		1.00	0.25	2.52	4.20	5.04			
	9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.89	6.72	6.46	3.48	2.39	1.28		1.00	0.20	2.76	4.60	5.52			
	2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.62	1.55	1.45	0.54	0.28	0.07		1.00	0.25	0.81	1.35	1.62			
	0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.42	0.41	0.39	0.19	0.12	0.05		1.00	0.20	0.18	0.30	0.36			
	1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.91	0.87	0.80	0.27	0.13	0.02		1.00	0.25	0.48	0.80	0.96			
	1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.66	0.64	0.61	0.27	0.16	0.06		1.00	0.20	0.30	0.50	0.60			
	5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.66	3.53	3.35	1.47	0.87	0.34		1.00	0.25	1.65	2.75	3.30			
	6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	5.09	4.97	4.78	2.57	1.77	0.95		1.00	0.20	2.04	3.40	4.08			
	1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	1.08	1.03	0.97	0.36	0.18	0.05		1.00	0.25	0.54	0.90	1.08			
	2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.75	1.69	1.61	0.77	0.49	0.22		1.00	0.20	0.75	1.25	1.50			
	0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.36	0.34	0.32	0.12	0.06	0.02		1.00	0.25	0.18	0.30	0.36			
	0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.57	3.41	3.17	1.08	0.50	0.09		1.00	0.25	1.89	3.15	3.78			
	0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12			
	5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.92	3.79	3.59	1.58	0.93	0.36		1.00	0.25	1.77	2.95	3.54			
	12.7	OC1-5	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	9.51	9.28	8.92	4.80	3.30	1.77		1.00	0.20	3.81	6.35	7.62			
	6.8	OC1-5	S27.2	C	Open Brush, Fair	77	59	92	4.08	3.90	3.65	1.36	0.70	0.18		1.00	0.25	2.04	3.40	4.08			
	3.2	OC1-5	S27.2	D	Open Brush, Fair	83	67	96	2.23	2.17	2.06	0.99	0.62	0.28		1.00	0.20	0.96	1.60	1.92			
	1.0	OC1-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.52	0.50	0.46	0.40	0.29	0.19		0.90	0.25	0.27	0.45	0.54			
	2.7	OC1-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.64	1.57	1.48	1.31	1.02	0.70		0.90	0.20	0.73	1.22	1.46			
	0.5	OC1-5	S27.2	C	Woodland, Grass, Fair	77	59	92	0.30	0.29	0.27	0.10	0.05	0.01		1.00	0.25	0.15	0.25	0.30			
	0.1	OC1-5	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.07	0.06	0.03	0.02										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCII								
	0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.34	0.32	0.30	0.10	0.05	0.01		1.00	0.25	0.18	0.30	0.36			
	1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.30	1.30	1.29	1.28	1.24	1.20		0.10	0.40	0.05	0.08	0.09			
	0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.63	0.62	0.62	0.61	0.59	0.56		0.10	0.30	0.02	0.04	0.04			
	1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.46	1.45	1.44	1.41	1.36	1.29		0.10	0.25	0.05	0.08	0.10			
	1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	1.02	1.01	1.00	0.98	0.95	0.90		0.10	0.20	0.03	0.06	0.07			
	0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05			
	3.8	OC1-6	S27.2	C	Public Park	69	50	86	2.08	1.99	1.85	1.62	1.24	0.85		0.85	0.25	0.97	1.62	1.94			
	2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.57	1.51	1.43	1.28	1.02	0.73		0.85	0.20	0.64	1.06	1.28			
	0.1	OC1-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.08	0.08	0.07	0.07	0.06	0.06		0.40	0.25	0.01	0.02	0.02			
	1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.30	0.26	0.21	0.00	0.00	0.00		1.00	0.40	0.42	0.70	0.84			
	2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.77	1.70	1.60	0.65	0.36	0.12		1.00	0.25	0.84	1.40	1.68			
	0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.07	0.06	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24			
	0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.13	0.12	0.11	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	2.04	1.95	1.82	0.68	0.35	0.09		1.00	0.25	1.02	1.70	2.04			
	0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.56	0.54	0.52	0.25	0.16	0.07		1.00	0.20	0.24	0.40	0.48			
	2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.30	0.27	0.25	0.23	0.22	0.21		0.90	0.40	0.65	1.08	1.30			
	0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.25	0.23	0.21	0.17	0.11	0.07		0.90	0.30	0.19	0.32	0.38			
	3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.83	1.74	1.61	1.39	1.02	0.65		0.90	0.25	0.95	1.58	1.89			
	1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.67	0.64	0.60	0.54	0.42	0.28		0.90	0.20	0.30	0.50	0.59			
	0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	1.14	1.09	1.02	0.38	0.19	0.05		1.00	0.25	0.57	0.95	1.14			
	0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.25	0.03	0.05	0.06			
	1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.78	0.75	0.70	0.26	0.13	0.03		1.00	0.25	0.39	0.65	0.78			
	0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.07	0.07	0.04	0.03	0.01		1.00	0.20	0.03	0.05	0.06			
	1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	1.02	0.98	0.91	0.34	0.17	0.04		1.00	0.25	0.51	0.85	1.02			
	0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	2.22	2.12	1.99	0.74	0.38	0.10		1.00	0.25	1.11	1.85	2.22			
	1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.63	0.60	0.55	0.48	0.35	0.22		0.90	0.25	0.32	0.54	0.65			
	1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.80	0.78	0.75	0.70	0.60	0.50		0.60	0.25	0.22	0.36	0.43			
	0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.3		S27.3	C	Public Park	69	50	86	0.16	0.16	0.15	0.13	0.10	0.07		0.85	0.25	0.08	0.13	0.15			
	0.4		S27.3	A	Public Park	32	17	52	0.07	0.06	0.06	0.06	0.06	0.05		0.85	0.40	0.10	0.17	0.20			
	0.6		S27.3	B	Public Park	56	36	76	0.23	0.22	0.20	0.17	0.12	0.09		0.85	0.30	0.15	0.26	0.31			
	1.1		S27.3	B	Commercial, Industrial	56	36	76	0.98	0.98	0.97	0.95	0.92	0.88		0.10	0.30	0.03	0.06	0.07			
	1.2		S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.25	0.22	0.18	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	4.9		S27.3	A	Open Brush, Fair	46	28	66	0.80	0.68	0.53	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94			
	5.4		S27.3	A	Woodland, Grass, Fair	44	26	64	0.76	0.64	0.48	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24			
	6.9		S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	2.66	2.46	2.17	0.28	0.02	0.00		1.00	0.30	2.07	3.45	4.14			
	9.2		S27.3	D	Woodland, Grass, Fair	82	66	95	6.27	6.07	5.77	2.65	1.62	0.68		1.00	0.20	2.76	4.60	5.52			
	9.3		S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	4.41	4.14	3.76	0.88	0.26	0.00		1.00	0.30	2.79	4.65	5.58			
	15.8		S27.3	D	Chaparral, Broadleaf, Fair	81	64	95	10.50	10.14	9.61	4.23	2.50	0.97		1.00	0.20	4.74	7.90	9.48			
	20.3		S27.3	D	Grass, Annual or Perennial, Fair	84	69	96	14.52	14.10	13.48	6.70	4.35	2.08		1.00	0.20	6.09	10.15	12.18			
	25.5		S27.3	B	Open Brush, Fair	66	46	84	10.95	10.20	9.15	1.62	0.29	0.00		1.00	0.30	7.65	12.75	15.30			
	27.2		S27.3	B	Woodland, Grass, Fair	65	45	83	11.27	10.48	9.35	1.48	0.20	0.00		1.00	0.30	8.16	13.60	16.32			
	29.1		S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	18.39	17.68	16.65	6.74	3.72	1.20		1.00	0.25	8.73	14.55	17.46			
	53.6		S27.3	D	Open Brush, Fair	83	67	96	37.43	36.28	34.59	16.53	10.44	4.70		1.00	0.20	16.08	26.80	32.16			
	66.8		S27.3	C	Woodland, Grass, Fair	77	59	92	40.04	38.34	35.86	13.40	6.85	1.75		1.00	0.25	20.04	33.40	40.08			
	90.8		S27.3	C	Open Brush, Fair	77	59	92	54.43	52.11	48.74	18.21	9.31	2.37		1.00	0.25	27.24	45.40	54.48			
	102.9		S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	58.39	55.65	51.70	17.62	8.21	1.49		1.00	0.25	30.87	51.45	61.74			
	0.7	S27.3-1	S27.3	A	Residential 5-7 dwellings/acre	32	17	52	0.35	0.34	0.34	0.33	0.32	0.31		0.50	0.40	0.11	0.18	0.21			
	0.9	S27.3-1	S27.3	B	Public Park	56	36	76	0.35	0.33	0.30	0.25	0.18	0.13		0.85	0.30	0.23	0.38	0.46			
	3.4	S27.3-1	S27.3	A	Commercial, Industrial	32	17	52	2.96	2.94	2.92	2.89	2.82	2.71		0.10	0.40	0.10	0.17	0.20			
	3.6	S27.3-1	S27.3	A	Woodland, Grass, Fair	44	26	64	0.51	0.42	0.32	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16			
	10.1	S27.3-1	S27.3	A	Public Park	32	17	52	1.73	1.62	1.51	1.43	1.40	1.34		0.85	0.40	2.58	4.29	5.15			
	17.4	S27.3-1	S27.3	A	Open Brush, Fair	46	28	66	2.84	2.42	1.87	0.00	0.00	0.00		1.00	0.40	5.22	8.70	10.44			
	0.2	S27.3-3	S27.3	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.10	0.07		1.00	0.20	0.06	0.10	0.12			
	0.2	S27.3-3	S27.3	A	Barren	78	61	93	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.40	0.06	0.10	0.12			
	0.2	S27.3-3	S27.3	D	Open Brush, Fair	83	67	96	0.14	0.14	0.13	0.06	0.04	0.02		1.00	0.20	0.06	0.10	0.12			
	0.3	S27.3-3	S27.3	B	Woodland, Grass, Fair	65	45	83	0.12	0.12	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	0.3	S27.3-3	S27.3	D	Commercial, Industrial	75	57	91	0.28	0.28	0.27	0.27	0.26	0.25		0.10	0.20	0.01	0.02	0.02			
	0.5	S27.3-3	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.11	0.10	0.08	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30			
	0.5	S27.3-3	S27.3	A	Public Park	32	17	52	0.09	0.08	0.07	0.07	0.07	0.07		0.85</							

RANCHO MISSION VIEJO																						
PA-3&4 (Ultimate Conditions)																						
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12800 (Node 127c)																						
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	Storm Event (Year)										
						100	50	25	10	5	2	100	EV				HC					
						AMC			P ₂₄ (Inches)								EV				HC	
						II	I	III	AMC 1/AMCII								5.63	> 5	5	2	All	
	11.4	S27.3-3	S27.3	A	Woodland, Grass, Fair	44	26	64	1.61	1.34	1.00	0.00	0.00	0.00	1.00	0.40	3.42	5.70	6.84			
	11.8	S27.3-3	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	6.70	6.38	5.93	2.02	0.94	0.17	1.00	0.25	3.54	5.90	7.08			
	27.7	S27.3-3	S27.3	A	Open Brush, Fair	46	28	66	4.53	3.85	2.97	0.00	0.00	0.00	1.00	0.40	8.31	13.85	16.62			
	0.1	S27.3-4	S27.3	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01	0.85	0.40	0.03	0.04	0.05			
	0.1	S27.3-4	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00	1.00	0.40	0.03	0.05	0.06			
	0.2	S27.3-4	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.13	0.12	0.11	0.05	0.03	0.01	1.00	0.25	0.06	0.10	0.12			
	0.3	S27.3-4	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	0.14	0.13	0.12	0.03	0.01	0.00	1.00	0.30	0.09	0.15	0.18			
	0.3	S27.3-4	S27.3	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01	1.00	0.25	0.09	0.15	0.18			
	0.4	S27.3-4	S27.3	A	Commercial, Industrial	32	17	52	0.35	0.35	0.34	0.34	0.33	0.32	0.10	0.40	0.01	0.02	0.02			
	0.5	S27.3-4	S27.3	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40	0.10	0.30	0.02	0.03	0.03			
	0.6	S27.3-4	S27.3	B	Woodland, Grass, Fair	65	45	83	0.25	0.23	0.21	0.03	0.00	0.00	1.00	0.30	0.18	0.30	0.36			
	0.6	S27.3-4	S27.3	A	Barren	78	61	93	0.37	0.35	0.33	0.13	0.07	0.02	1.00	0.40	0.18	0.30	0.36			
	0.6	S27.3-4	S27.3	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.49	0.10	0.25	0.02	0.03	0.04			
	0.9	S27.3-4	S27.3	B	Open Brush, Fair	66	46	84	0.39	0.36	0.32	0.06	0.01	0.00	1.00	0.30	0.27	0.45	0.54			
	1.0	S27.3-4	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.57	0.54	0.50	0.17	0.08	0.01	1.00	0.25	0.30	0.50	0.60			
	1.3	S27.3-4	S27.3	C	Woodland, Grass, Fair	77	59	92	0.78	0.75	0.70	0.26	0.13	0.03	1.00	0.25	0.39	0.65	0.78			
	3.2	S27.3-4	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.72	0.63	0.51	0.00	0.00	0.00	1.00	0.40	0.96	1.60	1.92			
	3.7	S27.3-4	S27.3	A	Woodland, Grass, Fair	44	26	64	0.52	0.44	0.33	0.00	0.00	0.00	1.00	0.40	1.11	1.85	2.22			
	12.0	S27.3-4	S27.3	A	Open Brush, Fair	46	28	66	1.96	1.67	1.29	0.00	0.00	0.00	1.00	0.40	3.60	6.00	7.20			
	0.1	S27.3-5	S27.3	A	Row Crops, Poor	72	53	89	0.05	0.05	0.05	0.01	0.01	0.00	1.00	0.40	0.03	0.05	0.06			
	0.5	S27.3-5	S27.3	A	Public Park	32	17	52	0.09	0.08	0.07	0.07	0.07	0.07	0.85	0.40	0.13	0.21	0.26			
	0.5	S27.3-5	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.32	0.30	0.29	0.12	0.06	0.02	1.00	0.25	0.15	0.25	0.30			
	0.8	S27.3-5	S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	0.31	0.28	0.25	0.03	0.00	0.00	1.00	0.30	0.24	0.40	0.48			
	1.2	S27.3-5	S27.3	A	Woodland, Grass, Fair	44	26	64	0.17	0.14	0.11	0.00	0.00	0.00	1.00	0.40	0.36	0.60	0.72			
	1.5	S27.3-5	S27.3	B	Commercial, Industrial	56	36	76	1.34	1.33	1.32	1.30	1.26	1.20	0.10	0.30	0.05	0.08	0.09			
	2.5	S27.3-5	S27.3	A	Commercial, Industrial	32	17	52	2.17	2.16	2.15	2.13	2.07	1.99	0.10	0.40	0.08	0.13	0.15			
	2.6	S27.3-5	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.23	1.16	1.05	0.25	0.07	0.00	1.00	0.30	0.78	1.30	1.56			
	2.8	S27.3-5	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.59	0.52	0.42	0.00	0.00	0.00	1.00	0.40	0.84	1.40	1.68			
	5.4	S27.3-5	S27.3	A	Open Brush, Fair	46	28	66	0.88	0.75	0.58	0.00	0.00	0.00	1.00	0.40	1.62	2.70	3.24			
	6.2	S27.3-5	S27.3	B	Woodland, Grass, Fair	65	45	83	2.57	2.39	2.13	0.34	0.05	0.00	1.00	0.30	1.86	3.10	3.72			
	6.5	S27.3-5	S27.3	C	Woodland, Grass, Fair	77	59	92	3.90	3.73	3.49	1.30	0.67	0.17	1.00	0.25	1.95	3.25	3.90			
	6.7	S27.3-5	S27.3	B	Open Brush, Fair	66	46	84	2.88	2.68	2.40	0.43	0.08	0.00	1.00	0.30	2.01	3.35	4.02			
	12.0	S27.3-5	S27.3	C	Open Brush, Fair	77	59	92	7.19	6.89	6.44	2.41	1.23	0.31	1.00	0.25	3.60	6.00	7.20			
	20.3	S27.3-5	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	11.52	10.98	10.20	3.48	1.62	0.29	1.00	0.25	6.09	10.15	12.18			
	0.3	S27.3-6	S27.3	A	Row Crops, Poor	72	53	89	0.16	0.15	0.14	0.04	0.02	0.00	1.00	0.40	0.09	0.15	0.18			
	0.4	S27.3-6	S27.3	B	Woodland, Grass, Fair	65	45	83	0.17	0.15	0.14	0.02	0.00	0.00	1.00	0.30	0.12	0.20	0.24			
	0.4	S27.3-6	S27.3	B	Commercial, Industrial	56	36	76	0.36	0.36	0.35	0.35	0.33	0.32	0.10	0.30	0.01	0.02	0.02			
	0.6	S27.3-6	S27.3	A	Commercial, Industrial	32	17	52	0.52	0.52	0.52	0.51	0.50	0.48	0.10	0.40	0.02	0.03	0.04			
	1.5	S27.3-6	S27.3	A	Open Brush, Fair	46	28	66	0.25	0.21	0.17	0.00	0.00	0.00	1.00	0.40	0.46	0.77	0.92			
	3.2	S27.3-6	S27.3	A	Public Park	32	17	52	0.55	0.52	0.49	0.46	0.45	0.43	0.85	0.40	0.83	1.38	1.65			
	3.9	S27.3-6	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.87	1.76	1.59	0.37	0.11	0.00	1.00	0.30	1.18	1.97	2.36			
	8.7	S27.3-6	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	1.84	1.61	1.30	0.00	0.00	0.00	1.00	0.40	2.62	4.37	5.24			
	10.3	S27.3-6	S27.3	A	Woodland, Grass, Fair	44	26	64	1.46	1.22	0.91	0.00	0.00	0.00	1.00	0.40	3.10	5.17	6.20			
12800	2.30	P501XX	S28.1	B	Barren	86	72	97	1.72	1.68	1.62	0.87	0.60	0.32	1.00	0.30	0.69	1.15	1.38			
12800	0.20	P501XX	S28.1	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.06	1.00	0.25	0.06	0.10	0.12			
12800	0.07	P501XX	S28.1	D	Barren	93	83	99	0.06	0.06	0.06	0.04	0.03	0.02	1.00	0.20	0.02	0.03	0.04			
12800	10.20	P501XX	S28.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.79	5.52	5.12	1.75	0.81	0.15	1.00	0.25	3.06	5.10	6.12			
12800	0.35	P501XX	S28.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.23	0.21	0.09	0.06	0.02	1.00	0.20	0.11	0.18	0.21			
12800	0.10	P501XX	S28.1	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.08	0.08	0.08	0.10	0.30	0.00	0.00	0.01			
12800	0.40	P501XX	S28.1	C	Commercial, Industrial	69	50	86	0.37	0.36	0.36	0.35	0.34	0.32	0.10	0.25	0.01	0.02	0.02			
12800	0.45	P501XX	S28.1	D	Commercial, Industrial	75	57	91	0.41	0.41	0.41	0.40	0.38	0.36	0.10	0.20	0.01	0.02	0.03			
12800	24.28	P501XX	S28.1	B	Grass, Annual or Perennial, Fair	69	50	86	11.51	10.81	9.82	2.30	0.67	0.00	1.00	0.30	7.28	12.14	14.57			
12800	9.91	P501XX	S28.1	C	Grass, Annual or Perennial, Fair	79	62	93	6.26	6.02	5.67	2.30	1.27	0.41	1.00	0.25	2.97	4.96	5.95			
12800	6.57	P501XX	S28.1	D	Grass, Annual or Perennial, Fair	84	69	96	4.69	4.56	4.36	2.17	1.41	0.67	1.00	0.20	1.97	3.28	3.94			
12800	0.10	P501XX	S28.1	A	Open Brush, Fair	46	28	66	0.02	0.01	0.01	0.00	0.00	0.00	1.00	0.40	0.03	0.05	0.06			
12800	16.79	P501XX	S28.1	B	Open Brush, Fair	66	46	84	7.21	6.71	6.02	1.07	0.19	0.00	1.00	0.30	5.04	8.39	10.07			
12800	67.20	P501XX	S28.1	C	Open Brush, Fair	77	59	92	40.28	38.57	36.07	13.48	6.89	1.76	1.00	0.25	20.16	33.60	40.32			
12800	3.80	P501XX	S28.1	D	Open Brush, Fair	83	67	96	2.65	2.57	2.45	1.17	0.74	0.33	1.00	0.20	1.14	1.90	2.28			
12800	0.98	P501XX	S28.1	D	Public Park	75	57	91	0.62	0.59	0.56	0.50	0.40	0.29	0.85	0.20	0.25	0.42	0.50			
12800	17.47	P501XX	S28.1	B	Woodland, Grass, Fair	65	45	83	7.24	6.73	6.01	0.95	0.13	0.00	1.00	0.30	5.24	8.74	10.48			
12800	55.75	P501XX	S28.1	C	Woodland, Grass, Fair	77	59	92	33.42	31.99	29.92	11.18	5.72	1.46	1.00	0.25	16.72	27.87	3			

RANCHO MISSION VIEJO																								
PA-3&4 (Ultimate Conditions)																								
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)																								
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	Storm Event (Year)											
							100	50	25	10	5		2	Storm Event (Year)										
							P ₂₄ (Inches)						EV							HC				
							AMC			AMC 1/AMCII					5.63	> 5				5	2	All		
	9.71		S1	A	Chaparral, Broadleaf, Fair	40	23	60	0.94	0.74	0.51	0.00	0.00	0.00	1.00	0.40	2.91	4.86	5.83					
	73.91		S1	B	Chaparral, Broadleaf, Fair	63	43	81	28.26	26.05	23.03	2.85	0.15	0.00	1.00	0.30	22.17	36.95	44.34					
	1029.81		S1	C	Chaparral, Broadleaf, Fair	75	57	91	581.44	553.70	514.20	173.51	79.94	13.89	1.00	0.25	308.94	514.91	617.89					
	758.05		S1	D	Chaparral, Broadleaf, Fair	81	64	95	502.17	484.54	458.99	200.44	117.85	44.98	1.00	0.20	227.41	379.02	454.83					
	52.00		S1	C	Fallow	91	80	98	43.42	42.72	41.68	27.14	21.10	14.16	1.00	0.25	15.60	26.00	31.20					
	2.73		S1	D	Fallow	94	85	99	2.43	2.40	2.36	1.73	1.44	1.09	1.00	0.20	0.82	1.36	1.64					
	54.84		S1	B	Woodland, Fair	60	40	79	18.63	17.01	14.80	1.16	0.00	0.00	1.00	0.30	16.45	27.42	32.90					
	58.35		S1	C	Woodland, Fair	73	55	89	31.10	29.48	27.18	8.24	3.37	0.32	1.00	0.25	17.51	29.18	35.01					
	1.95		S1	D	Woodland, Fair	79	62	93	1.23	1.18	1.11	0.45	0.24	0.08	1.00	0.20	0.59	0.98	1.17					
	48.35		S1	B	Woodland, Poor	66	46	84	20.60	19.17	17.19	2.98	0.50	0.00	1.00	0.30	14.50	24.17	29.01					
	44.42		S1	C	Woodland, Poor	77	59	92	26.51	25.36	23.71	8.78	4.45	1.10	1.00	0.25	13.32	22.21	26.65					
	95.06		S2	B	Chaparral, Broadleaf, Fair	63	43	81	36.34	33.51	29.62	3.67	0.20	0.00	1.00	0.30	28.52	47.53	57.04					
	1437.77		S2	C	Chaparral, Broadleaf, Fair	75	57	91	811.78	773.05	717.90	242.24	111.61	19.39	1.00	0.25	431.33	718.88	862.66					
	107.72		S2	D	Chaparral, Broadleaf, Fair	81	64	95	71.36	68.85	65.22	28.48	16.75	6.39	1.00	0.20	32.32	53.86	64.63					
	15.50		S2	B	Woodland, Fair	60	40	79	5.27	4.81	4.18	0.33	0.00	0.00	1.00	0.30	4.65	7.75	9.30					
	94.17		S2	C	Woodland, Fair	73	55	89	50.19	47.57	43.86	13.30	5.45	0.52	1.00	0.25	28.25	47.08	56.50					
	35.70		S2	B	Woodland, Grass, Fair	65	45	83	14.69	13.63	12.16	1.87	0.23	0.00	1.00	0.30	10.71	17.85	21.42					
	55.19		S2	C	Woodland, Grass, Fair	77	59	92	32.94	31.51	29.46	10.91	5.52	1.37	1.00	0.25	16.56	27.60	33.12					
	5.90		S3	A	Chaparral, Broadleaf, Fair	40	23	60	0.57	0.45	0.31	0.00	0.00	0.00	1.00	0.40	1.77	2.95	3.54					
	13.63		S3	B	Chaparral, Broadleaf, Fair	63	43	81	5.21	4.80	4.25	0.53	0.03	0.00	1.00	0.30	4.09	6.81	8.18					
	754.34		S3	C	Chaparral, Broadleaf, Fair	75	57	91	425.91	405.59	376.65	127.09	58.56	10.18	1.00	0.25	226.30	377.17	452.60					
	737.55		S3	D	Chaparral, Broadleaf, Fair	81	64	95	488.60	471.44	446.58	195.02	114.66	43.76	1.00	0.20	221.27	368.78	442.53					
	322.55		S3	C	Chaparral, Narrowleaf, Fair	81	64	95	213.67	206.17	195.30	85.28	50.14	19.14	1.00	0.25	96.76	161.27	193.53					
	642.13		S3	D	Chaparral, Narrowleaf, Fair	86	72	97	479.82	467.65	449.77	240.65	164.65	87.75	1.00	0.20	192.64	321.07	385.28					
	4.47		S3	C	Commercial, Industrial	69	50	86	4.09	4.06	4.02	3.95	3.81	3.61	0.10	0.25	0.13	0.22	0.27					
	8.45		S3	C	Grass, Annual or Perennial, Fair	79	62	93	5.32	5.11	4.81	1.93	1.06	0.33	1.00	0.25	2.54	4.23	5.07					
	0.97		S3	D	Grass, Annual or Perennial, Fair	84	69	96	0.69	0.67	0.64	0.32	0.21	0.10	1.00	0.20	0.29	0.49	0.58					
	9.81		S3	D	Open Brush, Fair	83	67	96	6.83	6.62	6.31	3.00	1.88	0.84	1.00	0.20	2.94	4.91	5.89					
	4.08		S3	B	Public Park	56	36	76	1.58	1.48	1.34	1.12	0.80	0.58	0.85	0.30	1.04	1.74	2.08					
	47.90		S3	C	Public Park	69	50	86	26.10	24.89	23.20	20.34	15.45	10.63	0.85	0.25	12.21	20.36	24.43					
	0.38		S3	C	Residential 1 acre lots	69	50	86	0.21	0.21	0.19	0.17	0.14	0.10	0.80	0.25	0.09	0.15	0.18					
	0.21		S3	D	Woodland, Fair	79	62	93	0.13	0.13	0.12	0.05	0.03	0.01	1.00	0.20	0.06	0.10	0.12					
	2.60		S3	A	Woodland, Grass, Fair	44	26	64	0.36	0.30	0.22	0.00	0.00	0.00	1.00	0.40	0.78	1.30	1.56					
	60.94		S3	B	Woodland, Grass, Fair	65	45	83	25.07	23.26	20.76	3.20	0.40	0.00	1.00	0.30	18.28	30.47	36.56					
	155.04		S3	C	Woodland, Grass, Fair	77	59	92	92.52	88.50	82.76	30.64	15.52	3.85	1.00	0.25	46.51	77.52	93.02					
	90.19		S3	D	Woodland, Grass, Fair	82	66	95	61.26	59.23	56.28	25.66	15.61	6.47	1.00	0.20	27.06	45.10	54.12					
	41.60		S4	A	Chaparral, Broadleaf, Fair	40	23	60	4.02	3.19	2.18	0.00	0.00	0.00	1.00	0.40	12.48	20.80	24.96					
	47.53		S4	B	Chaparral, Broadleaf, Fair	63	43	81	18.17	16.76	14.81	1.83	0.10	0.00	1.00	0.30	14.26	23.77	28.52					
	998.31		S4	C	Chaparral, Broadleaf, Fair	75	57	91	563.66	536.76	498.47	168.20	77.50	13.47	1.00	0.25	299.49	499.16	598.99					
	181.26		S4	D	Chaparral, Broadleaf, Fair	81	64	95	120.07	115.86	109.75	47.93	28.18	10.75	1.00	0.20	54.38	90.63	108.75					
	71.49		S4	C	Chaparral, Narrowleaf, Fair	81	64	95	47.36	45.69	43.28	18.90	11.11	4.24	1.00	0.25	21.45	35.74	42.89					
	0.93		S4	D	Chaparral, Narrowleaf, Fair	86	72	97	0.69	0.68	0.65	0.35	0.24	0.13	1.00	0.20	0.28	0.46	0.56					
	25.40		S4	B	Fallow	86	72	97	18.98	18.50	17.79	9.52	6.51	3.47	1.00	0.30	7.62	12.70	15.24					
	60.60		S4	C	Fallow	91	80	98	50.60	49.79	48.58	31.63	24.59	16.50	1.00	0.25	18.18	30.30	36.36					
	0.09		S4	D	Fallow	94	85	99	0.08	0.08	0.08	0.06	0.05	0.04	1.00	0.20	0.03	0.05	0.05					
	11.02		S4	B	Woodland, Fair	60	40	79	3.74	3.42	2.97	0.23	0.00	0.00	1.00	0.30	3.31	5.51	6.61					
	24.63		S4	C	Woodland, Fair	73	55	89	13.13	12.44	11.47	3.48	1.42	0.14	1.00	0.25	7.39	12.31	14.78					
	0.76		S4	B	Woodland, Poor	66	46	84	0.32	0.30	0.27	0.05	0.01	0.00	1.00	0.30	0.23	0.38	0.45					
	8.00		S4	C	Woodland, Poor	77	59	92	4.77	4.57	4.27	1.58	0.80	0.20	1.00	0.25	2.40	4.00	4.80					
	3.22		S5	B	Chaparral, Broadleaf, Fair	63	43	81	1.23	1.14	1.00	0.12	0.01	0.00	1.00	0.30	0.97	1.61	1.93					
	43.68		S5	C	Chaparral, Broadleaf, Fair	75	57	91	24.66	23.49	21.81	7.36	3.39	0.59	1.00	0.25	13.10	21.84	26.21					
	204.58		S5	D	Chaparral, Broadleaf, Fair	81	64	95	135.53	130.77	123.87	54.09	31.81	12.14	1.00	0.20	61.37	102.29	122.75					
	9.30		S5	B	Chaparral, Narrowleaf, Fair	72	53	89	4.81	4.55	4.18	1.19	0.46	0.03	1.00	0.30	2.79	4.65	5.58					
	283.71		S5	C	Chaparral, Narrowleaf, Fair	81	64	95	187.94	181.34	171.78	75.02	44.11	16.83	1.00	0.25	85.11	141.85	170.23					
	334.67		S5	D	Chaparral, Narrowleaf, Fair	86	72	97	250.07	243.73	234.41	125.42	85.81	45.73	1.00	0.20	100.40	167.33	200.80					
	1.34		S5	C	Residential 1 acre lots	69	50	86	1.73	1.66	1.56	1.39	1.09	0.79	0.80	0.25	0.73	1.22	1.46					
	10.47		S5	B	Woodland, Grass, Fair	65	45	83	4.31	4.00	3.57	0.55	0.07	0.00	1.00	0.30	3.14	5.24	6.28					
	4.29		S5	C	Woodland, Grass, Fair	77	59	92	2.56	2.45	2.29	0.85	0.43	0.11	1.00	0.25	1.29	2.15	2.58					
	21.26		S5	D	Woodland, Grass, Fair	82	66	95	14.44	13.96	13.27	6.05	3.68	1.52	1.00	0.20	6.38	10.63	12.76					
	20.32		S6	A	Chaparral, Broadleaf, Fair	40	23	60	1.96	1.56	1.06	0.00	0.00	0.00	1.00	0.40	6.10	10.16	12.19					
	479.80		S6	C	Chaparral, Broadleaf, Fair	75	57	91	270.90	257.98	239.57	80.84	37.25	6.47	1.00	0.25	143.94	239.90	287.88					
	439.63		S6	D	Chaparral, Broadleaf, Fair	81	64	95	291.23	281.00	266.19	116.24	68.35	26.09	1.00	0.20	131.89	219.81	263.78					
	0.04		S6	A	Chaparral, Narrowleaf, Fair	55	35	75	0.01	0.01	0.01	0.00	0.00	0.00	1.00	0.40	0.01	0.02	0.02					
	66.38		S6	C	Chaparral, Narrowleaf, Fair	81	64	95	43.97	42.43	40.19	17.55	10.32	3.94	1.00	0.25	19.91	33.19	39.83					
	299.75		S6	D	Chaparral, Narrowleaf, Fair	86	72	97	223.98	218.30	209.95	112.34	76.86	40.96	1.00	0.20	89.92	149.87	179.85					
	2.57		S6	A	Woodland, Grass, Fair	44	26	64	0.36	0.30	0.22	0.00	0.00	0.00	1.00	0.40	0.77	1.28	1.54					
	3.01		S6	C	Woodland, Grass, Fair	77	59	92	1.79	1.72	1.60	0.59	0.30	0.07	1.00	0.25	0.90	1.50	1.80					
	0.22		S6	D	Woodland, Grass, Fair	82	66	95	0.15	0.15	0.14	0.06	0.04	0.02	1.00	0.20	0.07	0.11	0.13					
	0.36		S7	A	Chaparral, Broadleaf, Fair	40																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														

	154.64		S7	C	Chaparral, Broadleaf, Fair	75	57	91	87.31	83.15	77.22	26.06	12.01	2.09		1.00	0.25	46.39	77.32	92.79	
	650.67		S7	D	Chaparral, Broadleaf, Fair	81	64	95	431.04	415.90	393.97	172.04	101.15	38.61		1.00	0.20	195.20	325.33	390.40	
	1.62		S7	A	Chaparral, Narrowleaf, Fair	55	35	75	0.44	0.39	0.33	0.00	0.00	0.00		1.00	0.40	0.49	0.81	0.97	
	1.83		S7	B	Chaparral, Narrowleaf, Fair	72	53	89	0.95	0.90	0.82	0.24	0.09	0.01		1.00	0.30	0.55	0.92	1.10	
	119.57		S7	C	Chaparral, Narrowleaf, Fair	81	64	95	79.21	76.43	72.40	31.61	18.59	7.09		1.00	0.25	35.87	59.78	71.74	
	705.90		S7	D	Chaparral, Narrowleaf, Fair	86	72	97	527.47	514.09	494.44	264.55	181.00	96.47		1.00	0.20	211.77	352.95	423.54	
	6.15		S7	C	Grass, Annual or Perennial, Fair	79	62	93	3.87	3.72	3.50	1.41	0.77	0.24		1.00	0.25	1.85	3.08	3.69	
	8.08		S7	D	Grass, Annual or Perennial, Fair	84	69	96	5.76	5.59	5.35	2.64	1.71	0.81		1.00	0.20	2.42	4.04	4.85	
	15.59		S7	C	Open Brush, Fair	77	59	92	9.30	8.90	8.32	3.08	1.56	0.39		1.00	0.25	4.68	7.79	9.35	
	77.13		S7	D	Open Brush, Fair	83	67	96	53.68	52.01	49.57	23.55	14.78	6.58		1.00	0.20	23.14	38.56	46.28	
	2.83		S7	C	Public Park	69	50	86	1.54	1.47	1.37	1.20	0.91	0.63		0.85	0.25	0.72	1.20	1.44	
	4.53		S7	C	Residential 1 acre lots	69	50	86	2.58	2.47	2.32	2.06	1.62	1.18		0.80	0.25	1.09	1.81	2.17	
	23.54		S7	C	School	69	50	86	15.72	15.28	14.65	13.59	11.74	9.82		0.60	0.25	4.24	7.06	8.48	
	0.65		S7	D	School	75	57	91	0.47	0.46	0.45	0.42	0.36	0.30		0.60	0.20	0.12	0.20	0.24	
	10.99		S7	A	Woodland, Grass, Fair	44	26	64	1.52	1.27	0.94	0.00	0.00	0.00		1.00	0.40	3.30	5.50	6.59	
	27.31		S7	B	Woodland, Grass, Fair	65	45	83	11.24	10.42	9.30	1.43	0.18	0.00		1.00	0.30	8.19	13.66	16.39	
	66.03		S7	C	Woodland, Grass, Fair	77	59	92	39.40	37.69	35.24	13.05	6.61	1.64		1.00	0.25	19.81	33.01	39.62	
	83.68		S7	D	Woodland, Grass, Fair	82	66	95	56.84	54.95	52.22	23.81	14.48	6.00		1.00	0.20	25.10	41.84	50.21	
	2.17		S8	A	Chaparral, Broadleaf, Fair	40	23	60	0.21	0.17	0.11	0.00	0.00	0.00		1.00	0.40	0.65	1.08	1.30	
	62.77		S8	C	Chaparral, Broadleaf, Fair	75	57	91	35.44	33.75	31.34	10.58	4.87	0.85		1.00	0.25	18.83	31.39	37.66	
	828.83		S8	D	Chaparral, Broadleaf, Fair	81	64	95	549.06	529.78	501.84	219.15	128.85	49.18		1.00	0.20	248.65	414.41	497.30	
	4.58		S8	A	Chaparral, Narrowleaf, Fair	55	35	75	1.24	1.11	0.94	0.01	0.00	0.00		1.00	0.40	1.37	2.29	2.75	
	473.80		S8	C	Chaparral, Narrowleaf, Fair	81	64	95	313.87	302.85	286.88	125.28	73.66	28.11		1.00	0.25	142.14	236.90	284.28	
	380.43		S8	D	Chaparral, Narrowleaf, Fair	86	72	97	284.27	277.06	266.46	142.57	97.54	51.99		1.00	0.20	114.13	190.21	228.26	
	9.56		S8	A	Open Brush, Fair	46	28	66	1.54	1.30	1.00	0.00	0.00	0.00		1.00	0.40	2.87	4.78	5.74	
	98.44		S8	C	Open Brush, Fair	77	59	92	58.74	56.19	52.54	19.46	9.85	2.44		1.00	0.25	29.53	49.22	59.06	
	318.26		S8	D	Open Brush, Fair	83	67	96	221.51	214.61	204.56	97.17	60.99	27.16		1.00	0.20	95.48	159.13	190.95	
	14.99		S8	A	Woodland, Grass, Fair	44	26	64	2.07	1.73	1.29	0.00	0.00	0.00		1.00	0.40	4.50	7.50	9.00	
	21.60		S8	C	Woodland, Grass, Fair	77	59	92	12.89	12.33	11.53	4.27	2.16	0.54		1.00	0.25	6.48	10.80	12.96	
	53.83		S8	D	Woodland, Grass, Fair	82	66	95	36.56	35.35	33.59	15.32	9.32	3.86		1.00	0.20	16.15	26.91	32.30	
	0.97		S9	A	Chaparral, Broadleaf, Fair	40	23	60	0.09	0.07	0.05	0.00	0.00	0.00		1.00	0.40	0.29	0.48	0.58	
	5.45		S9	B	Chaparral, Broadleaf, Fair	63	43	81	2.08	1.92	1.70	0.21	0.01	0.00		1.00	0.30	1.63	2.72	3.27	
	476.00		S9	C	Chaparral, Broadleaf, Fair	75	57	91	268.75	255.93	237.67	80.20	36.95	6.42		1.00	0.25	142.80	238.00	285.60	
	240.06		S9	D	Chaparral, Broadleaf, Fair	81	64	95	159.03	153.44	145.35	63.47	37.32	14.24		1.00	0.20	72.02	120.03	144.03	
	1.16		S9	B	Chaparral, Narrowleaf, Fair	72	53	89	0.60	0.57	0.52	0.15	0.06	0.00		1.00	0.30	0.35	0.58	0.69	
	602.70		S9	C	Chaparral, Narrowleaf, Fair	81	64	95	399.26	385.24	364.92	159.36	93.70	35.76		1.00	0.25	180.81	301.35	361.62	
	212.84		S9	D	Chaparral, Narrowleaf, Fair	86	72	97	159.04	155.00	149.08	79.76	54.57	29.09		1.00	0.20	63.85	106.42	127.70	
	0.26		S9	A	Open Brush, Fair	46	28	66	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.08	0.13	0.16	
	0.06		S9	B	Open Brush, Fair	66	46	84	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.03	
	118.82		S9	C	Open Brush, Fair	77	59	92	70.91	67.83	63.43	23.49	11.89	2.95		1.00	0.25	35.65	59.41	71.29	
	74.36		S9	D	Open Brush, Fair	83	67	96	51.75	50.14	47.79	22.70	14.25	6.35		1.00	0.20	22.31	37.18	44.61	
	6.82		S9	D	Open Brush, Good	81	64	95	4.52	4.36	4.13	1.80	1.06	0.40		1.00	0.20	2.05	3.41	4.09	
	6.34		S9	A	Woodland, Grass, Fair	44	26	64	0.88	0.73	0.55	0.00	0.00	0.00		1.00	0.40	1.90	3.17	3.81	
	12.90		S9	B	Woodland, Grass, Fair	65	45	83	5.31	4.92	4.39	0.68	0.08	0.00		1.00	0.30	3.87	6.45	7.74	
	52.70		S9	C	Woodland, Grass, Fair	77	59	92	31.45	30.08	28.13	10.42	5.27	1.31		1.00	0.25	15.81	26.35	31.62	
	16.07		S9	D	Woodland, Grass, Fair	82	66	95	10.92	10.55	10.03	4.57	2.78	1.15		1.00	0.20	4.82	8.04	9.64	
	65.47		S10	A	Chaparral, Broadleaf, Fair	40	23	60	6.33	5.02	3.43	0.00	0.00	0.00		1.00	0.40	19.64	32.74	39.28	
	1.23		S10	B	Chaparral, Broadleaf, Fair	63	43	81	0.47	0.43	0.38	0.05	0.00	0.00		1.00	0.30	0.37	0.61	0.74	
	0.16		S10	C	Chaparral, Broadleaf, Fair	75	57	91	0.09	0.09	0.08	0.03	0.01	0.00		1.00	0.25	0.05	0.08	0.10	
	247.92		S10	D	Chaparral, Broadleaf, Fair	81	64	95	164.24	158.47	150.11	65.55	38.54	14.71		1.00	0.20	74.38	123.96	148.75	
	0.16		S10	A	Chaparral, Narrowleaf, Fair	55	35	75	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.05	0.08	0.09	
	0.11		S10	C	Chaparral, Narrowleaf, Fair	81	64	95	0.08	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.06	0.07	
	65.21		S10	D	Chaparral, Narrowleaf, Fair	86	72	97	48.73	47.49	45.67	24.44	16.72	8.91		1.00	0.20	19.56	32.60	39.13	
	5.06		S10	A	Open Brush, Fair	46	28	66	0.81	0.69	0.53	0.00	0.00	0.00		1.00	0.40	1.52	2.53	3.04	
	105.84		S10	D	Open Brush, Fair	83	67	96	73.67	71.37	68.03	32.32	20.28	9.03		1.00	0.20	31.75	52.92	63.51	
	2.32		S10	A	Open Brush, Good	41	24	61	0.25	0.20	0.14	0.00	0.00	0.00		1.00	0.40	0.70	1.16	1.39	
	0.27		S10	B	Open Brush, Good	63	43	81	0.10	0.10	0.08	0.01	0.00	0.00		1.00	0.30	0.08	0.14	0.16	
	155.88		S10	C	Open Brush, Good	75	57	91	88.01	83.81	77.83	26.26	12.10	2.10		1.00	0.25	46.76	77.94	93.53	
	158.20		S10	D	Open Brush, Good	81	64	95	104.80	101.12	95.79	41.83	24.59	9.39		1.00	0.20	47.46	79.10	94.92	
	0.39		S10	B	Public Park	56	36	76	0.15	0.14	0.13	0.11	0.08	0.05		0.85	0.30	0.10	0.16	0.20	
	9.13		S10	A	Residential 1 acre lots	32	17	52	1.98	1.89	1.79	1.72	1.68	1.62		0.80	0.40	2.19	3.65	4.38	
	9.22		S10	C	Residential 1 acre lots	69	50	86	5.25	5.03	4.72	4.19	3.30	2.40		0.80	0.25	2.21	3.69	4.42	
	2.19		S10	D	Residential 1 acre lots	75	57	91	1.41	1.36	1.29	1.17	0.95	0.71		0.80	0.20	0.53	0.88	1.05	
	42.63		S10	A																	

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100										
						AMC			P ₂₄ (Inches)									5.63				
						II	I	III				AMC 1/AMCII										
	22.90		S11	C	Chaparral, Narrowleaf, Fair	81	64	95	15.17	14.64	13.87	6.06	3.56	1.36		1.00	0.25	6.87	11.45	13.74		
	683.24		S11	D	Chaparral, Narrowleaf, Fair	86	72	97	510.54	497.59	478.56	256.06	175.19	93.37		1.00	0.20	204.97	341.62	409.94		
	9.74		S11	B	Grass, Annual or Perennial, Fair	69	50	86	4.59	4.31	3.91	0.90	0.26	0.00		1.00	0.30	2.92	4.87	5.85		
	13.55		S11	C	Grass, Annual or Perennial, Fair	79	62	93	8.53	8.20	7.71	3.10	1.70	0.54		1.00	0.25	4.07	6.78	8.13		
	0.86		S11	D	Grass, Annual or Perennial, Fair	84	69	96	0.61	0.60	0.57	0.28	0.18	0.09		1.00	0.20	0.26	0.43	0.52		
	9.65		S11	C	Open Brush, Fair	77	59	92	5.76	5.51	5.15	1.91	0.97	0.24		1.00	0.25	2.89	4.82	5.79		
	112.49		S11	D	Open Brush, Fair	83	67	96	78.30	75.86	72.30	34.35	21.56	9.60		1.00	0.20	33.75	56.25	67.50		
	1.41		S11	B	Public Park	56	36	76	0.54	0.51	0.46	0.39	0.28	0.20		0.85	0.30	0.36	0.60	0.72		
	5.39		S11	C	Public Park	69	50	86	2.93	2.80	2.61	2.29	1.74	1.19		0.85	0.25	1.37	2.29	2.75		
	1.78		S11	D	Public Park	75	57	91	1.11	1.07	1.01	0.91	0.72	0.52		0.85	0.20	0.45	0.76	0.91		
	0.27		S11	C	Woodland, Fair	73	55	89	0.14	0.14	0.13	0.04	0.02	0.00		1.00	0.25	0.08	0.14	0.16		
	45.10		S11	D	Woodland, Fair	79	62	93	28.38	27.27	25.67	10.31	5.65	1.78		1.00	0.20	13.53	22.55	27.06		
	13.34		S11	B	Woodland, Grass, Fair	65	45	83	5.49	5.09	4.54	0.70	0.09	0.00		1.00	0.30	4.00	6.67	8.00		
	61.25		S11	C	Woodland, Grass, Fair	77	59	92	36.55	34.97	32.69	12.11	6.13	1.52		1.00	0.25	18.38	30.63	36.75		
	24.56		S11	D	Woodland, Grass, Fair	82	66	95	16.68	16.13	15.33	6.99	4.25	1.76		1.00	0.20	7.37	12.28	14.74		
	17.17		S12	A	Chaparral, Broadleaf, Fair	40	23	60	1.66	1.32	0.90	0.00	0.00	0.00		1.00	0.40	5.15	8.58	10.30		
	306.06		S12	C	Chaparral, Broadleaf, Fair	75	57	91	172.81	164.56	152.82	51.57	23.76	4.13		1.00	0.25	91.82	153.03	183.64		
	487.33		S12	D	Chaparral, Broadleaf, Fair	81	64	95	322.84	311.50	295.07	128.86	75.76	28.92		1.00	0.20	146.20	243.67	292.40		
	12.40		S12	A	Chaparral, Narrowleaf, Fair	55	35	75	3.37	3.02	2.54	0.04	0.00	0.00		1.00	0.40	3.72	6.20	7.44		
	68.72		S12	C	Chaparral, Narrowleaf, Fair	81	64	95	45.52	43.92	41.61	18.17	10.68	4.08		1.00	0.25	20.62	34.36	41.23		
	724.53		S12	D	Chaparral, Narrowleaf, Fair	86	72	97	541.39	527.66	507.48	271.53	185.77	99.01		1.00	0.20	217.36	362.26	434.72		
	7.07		S12	A	Open Brush, Fair	46	28	66	1.14	0.96	0.74	0.00	0.00	0.00		1.00	0.40	2.12	3.54	4.24		
	0.89		S12	C	Open Brush, Fair	77	59	92	0.53	0.51	0.48	0.18	0.09	0.02		1.00	0.25	0.27	0.45	0.53		
	407.66		S12	D	Open Brush, Fair	83	67	96	283.74	274.90	262.02	124.47	78.13	34.79		1.00	0.20	122.30	203.83	244.60		
	0.26		S12	C	Public Park	69	50	86	0.14	0.13	0.12	0.11	0.08	0.06		0.85	0.25	0.07	0.11	0.13		
	0.00		S12	D	Public Park	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.85	0.20	0.00	0.00	0.00		
	6.85		S12	A	Woodland, Grass, Fair	44	26	64	0.95	0.79	0.59	0.00	0.00	0.00		1.00	0.40	2.06	3.43	4.11		
	22.97		S12	B	Woodland, Grass, Fair	65	45	83	9.45	8.77	7.82	1.21	0.15	0.00		1.00	0.30	6.89	11.48	13.78		
	248.53		S12	C	Woodland, Grass, Fair	77	59	92	148.31	141.88	132.66	49.12	24.88	6.17		1.00	0.25	74.56	124.27	149.12		
	60.03		S12	D	Woodland, Grass, Fair	82	66	95	40.77	39.42	37.46	17.08	10.39	4.31		1.00	0.20	18.01	30.02	36.02		
	15.97		S13	A	Chaparral, Broadleaf, Fair	40	23	60	1.54	1.22	0.84	0.00	0.00	0.00		1.00	0.40	4.79	7.98	9.58		
	7.05		S13	B	Chaparral, Broadleaf, Fair	63	43	81	2.69	2.48	2.20	0.27	0.01	0.00		1.00	0.30	2.11	3.52	4.23		
	645.40		S13	C	Chaparral, Broadleaf, Fair	75	57	91	364.40	347.01	322.26	108.74	50.10	8.71		1.00	0.25	193.62	322.70	387.24		
	120.49		S13	D	Chaparral, Broadleaf, Fair	81	64	95	79.82	77.01	72.95	31.86	18.73	7.15		1.00	0.20	36.15	60.24	72.29		
	25.50		S13	A	Chaparral, Narrowleaf, Fair	55	35	75	6.93	6.20	5.23	0.08	0.00	0.00		1.00	0.40	7.65	12.75	15.30		
	11.66		S13	B	Chaparral, Narrowleaf, Fair	72	53	89	6.03	5.70	5.24	1.50	0.57	0.03		1.00	0.30	3.50	5.83	7.00		
	497.07		S13	C	Chaparral, Narrowleaf, Fair	81	64	95	329.28	317.72	300.97	131.43	77.28	29.49		1.00	0.25	149.12	248.53	298.24		
	451.84		S13	D	Chaparral, Narrowleaf, Fair	86	72	97	337.63	329.07	316.48	169.34	115.86	61.75		1.00	0.20	135.55	225.92	271.11		
	4.19		S13	A	Open Brush, Fair	46	28	66	0.67	0.57	0.44	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52		
	1.00		S13	B	Open Brush, Fair	66	46	84	0.42	0.39	0.35	0.06	0.01	0.00		1.00	0.30	0.30	0.50	0.60		
	104.58		S13	C	Open Brush, Fair	77	59	92	62.41	59.70	55.82	20.67	10.47	2.60		1.00	0.25	31.37	52.99	62.75		
	161.75		S13	D	Open Brush, Fair	83	67	96	112.58	109.07	103.96	49.38	31.00	13.80		1.00	0.20	48.52	80.87	97.05		
	0.22		S13	A	Open Brush, Good	41	24	61	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13		
	0.06		S13	B	Open Brush, Good	63	43	81	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04		
	51.44		S13	C	Open Brush, Good	75	57	91	29.04	27.66	25.68	8.67	3.99	0.69		1.00	0.25	15.43	25.72	30.86		
	0.09		S13	D	Open Brush, Good	81	64	95	0.06	0.06	0.06	0.03	0.01	0.01		1.00	0.20	0.03	0.05	0.06		
	5.18		S13	A	Public Park	32	17	52	0.88	0.83	0.77	0.73	0.72	0.69		0.85	0.40	1.32	2.20	2.64		
	2.52		S13	B	Public Park	56	36	76	0.97	0.91	0.82	0.69	0.50	0.36		0.85	0.30	0.64	1.07	1.28		
	0.28		S13	D	Public Park	75	57	91	0.17	0.17	0.16	0.14	0.11	0.08		0.85	0.20	0.07	0.12	0.14		
	24.00		S13	A	Residential 1 acre lots	32	17	52	5.20	4.96	4.72	4.53	4.42	4.25		0.80	0.40	5.76	9.60	11.52		
	3.86		S13	B	Residential 1 acre lots	56	36	76	1.62	1.53	1.41	1.21	0.92	0.71		0.80	0.30	0.93	1.54	1.85		
	9.01		S13	C	Residential 1 acre lots	69	50	86	5.13	4.91	4.61	4.10	3.22	2.35		0.80	0.25	2.16	3.60	4.32		
	36.94		S13	A	Woodland, Grass, Fair	44	26	64	5.11	4.25	3.17	0.00	0.00	0.00		1.00	0.40	11.08	18.47	22.17		
	12.05		S13	B	Woodland, Grass, Fair	65	45	83	4.96	4.60	4.10	0.63	0.08	0.00		1.00	0.30	3.61	6.02	7.23		
	24.51		S13	C	Woodland, Grass, Fair	77	59	92	14.62	13.99	13.08	4.84	2.45	0.81		1.00	0.25	7.35	12.25	14.70		
	7.65		S13	D	Woodland, Grass, Fair	82	66	95	5.20	5.02	4.77	2.18	1.32	0.55		1.00	0.20	2.29	3.82	4.59		
	21.26		S14	A	Chaparral, Broadleaf, Fair	40	23	60	2.06	1.63	1.11	0.00	0.00	0.00		1.00	0.40	6.38	10.63	12.75		
	367.70		S14	C	Chaparral, Broadleaf, Fair	75	57	91	207.61	197.70	183.60	61.95	28.54	4.96		1.00	0.25	110.31	183.85	220.62		
	287.86		S14	D	Chaparral, Broadleaf, Fair	81	64	95	190.70	184.00	174.30	76.11	44.75	17.08		1.00	0.20	86.36	143.93	172.72		
	14.04		S14	A	Chaparral, Narrowleaf, Fair	55	35	75	3.82	3.42	2.88	0.04	0.00	0.00		1.00	0.40	4.21	7.02	8.43		
	0.02		S14	B	Chaparral, Narrowleaf, Fair	72	53	89	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01		
	174.85		S14	C	Chaparral, Narrowleaf, Fair	81	64	95	115.83	111.76	105.87	46.23	27.18	10.37		1.00	0.25	52.46	87.43	104.91		
	279.25		S14	D	Chaparral, Narrowleaf, Fair	86	72	97	208.67	203.38	195.60	104.66	71.60	38.16		1.00	0.20	83.78	139.63	167.55		
	4.00		S14	C	Grass, Annual or Perennial, Fair	79	62	93	2.52	2.42	2.28	0.91	0.50	0.16		1.00	0.25	1.20	2.00	2.40		
	0.07		S14	D	Grass, Annual or Perennial, Fair	84	69	96	0.05	0.05	0.05	0.02	0.02	0.01		1.00	0.20	0.02	0.04	0.04		
	23.29		S14	A	Open Brush, Fair	46	28	66	3.74	3.17	2.44	0.00	0.00	0.00		1.00	0.40	6.99	11.65	13.98		
	0.01		S14	B	Open Brush, Fair	66	46	84	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01		
	200.24		S14	C	Open Brush, Fair	77	59	92	119.50	114.31	106.89	39.58	20.04	4.97		1.00	0.25	60.07	100.12	120.15		
	118.55		S14	D	Open Brush, Fair	83	67	96	82.51	79.94	76.20	36.19	22.72	10.12		1.00	0.20	35.56	59.27	71.13		
	0.51		S14	A	Public Park	32	17	52</														

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100							
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC 1/AMCII						5.63							

	2.48		S14	B	Public Park	56	36	76	0.96	0.90	0.81	0.68	0.49	0.35		0.85	0.30	0.63	1.05	1.26
	0.73		S14	D	Public Park	75	57	91	0.45	0.44	0.41	0.37	0.29	0.21		0.85	0.20	0.19	0.31	0.37
	50.10		S14	A	Woodland, Grass, Fair	44	26	64	6.93	5.77	4.30	0.00	0.00	0.00	1.00	0.40	15.03	25.05	30.06	
	0.85		S14	B	Woodland, Grass, Fair	65	45	83	0.35	0.32	0.29	0.04	0.01	0.00	1.00	0.30	0.25	0.42	0.51	
	13.64		S14	C	Woodland, Grass, Fair	77	59	92	8.14	7.79	7.28	2.70	1.37	0.34	1.00	0.25	4.09	6.82	8.18	
	12.11		S14	D	Woodland, Grass, Fair	82	66	95	8.23	7.95	7.56	3.45	2.10	0.87	1.00	0.20	3.63	6.06	7.27	
	35.60		S15	A	Chaparral, Broadleaf, Fair	40	23	60	3.44	2.73	1.86	0.00	0.00	0.00	1.00	0.40	10.68	17.80	21.36	
	20.35		S15	B	Chaparral, Broadleaf, Fair	63	43	81	7.78	7.17	6.34	0.79	0.04	0.00	1.00	0.30	6.10	10.17	12.21	
	209.04		S15	C	Chaparral, Broadleaf, Fair	75	57	91	118.03	112.39	104.38	35.22	16.23	2.82	1.00	0.25	62.71	104.52	125.42	
	53.93		S15	D	Chaparral, Broadleaf, Fair	81	64	95	35.73	34.47	32.65	14.26	8.38	3.20	1.00	0.20	16.18	26.96	32.36	
	0.29		S15	A	Chaparral, Narrowleaf, Fair	55	35	75	0.08	0.07	0.06	0.00	0.00	0.00	1.00	0.40	0.09	0.14	0.17	
	1.07		S15	B	Chaparral, Narrowleaf, Fair	72	53	89	0.55	0.52	0.48	0.14	0.05	0.00	1.00	0.30	0.32	0.54	0.64	
	52.44		S15	C	Chaparral, Narrowleaf, Fair	81	64	95	34.74	33.52	31.75	13.86	8.15	3.11	1.00	0.25	15.73	26.22	31.46	
	102.66		S15	D	Chaparral, Narrowleaf, Fair	86	72	97	76.71	74.77	71.91	38.47	26.32	14.03	1.00	0.20	30.80	51.33	61.60	
	3.28		S15	A	Commercial, Industrial	32	17	52	2.85	2.84	2.82	2.79	2.72	2.61	0.10	0.40	0.10	0.16	0.20	
	11.67		S15	C	Commercial, Industrial	69	50	86	10.66	10.59	10.49	10.30	9.93	9.42	0.10	0.25	0.35	0.58	0.70	
	12.74		S15	D	Commercial, Industrial	75	57	91	11.75	11.68	11.57	11.37	10.96	10.39	0.10	0.20	0.38	0.64	0.76	
	2.49		S15	A	Grass, Annual or Perennial, Fair	50	31	70	0.52	0.45	0.36	0.00	0.00	0.00	1.00	0.40	0.75	1.25	1.49	
	5.03		S15	B	Grass, Annual or Perennial, Fair	69	50	86	2.37	2.22	2.02	0.47	0.13	0.00	1.00	0.30	1.51	2.52	3.02	
	30.99		S15	C	Grass, Annual or Perennial, Fair	79	62	93	19.50	18.74	17.64	7.09	3.88	1.22	1.00	0.25	9.30	15.50	18.59	
	91.48		S15	D	Grass, Annual or Perennial, Fair	84	69	96	65.22	63.32	60.53	29.89	19.32	9.17	1.00	0.20	27.44	45.74	54.89	
	174.55		S15	A	Open Brush, Fair	46	28	66	28.05	23.77	18.30	0.00	0.00	0.00	1.00	0.40	52.37	87.28	104.73	
	23.72		S15	B	Open Brush, Fair	66	46	84	10.11	9.40	8.43	1.46	0.25	0.00	1.00	0.30	7.11	11.86	14.23	
	742.96		S15	C	Open Brush, Fair	77	59	92	443.36	424.12	396.58	146.85	74.37	18.44	1.00	0.25	222.89	371.48	445.77	
	293.38		S15	D	Open Brush, Fair	83	67	96	204.19	197.83	188.57	89.57	56.22	25.04	1.00	0.20	88.01	146.69	176.03	
	4.49		S15	A	Residential 5-7 dwellings/acre	32	17	52	2.23	2.20	2.16	2.12	2.07	1.99	0.50	0.40	0.67	1.12	1.35	
	1.27		S15	C	Residential 5-7 dwellings/acre	69	50	86	0.91	0.89	0.86	0.81	0.72	0.63	0.50	0.25	0.19	0.32	0.38	
	0.11		S15	D	Residential 5-7 dwellings/acre	75	57	91	0.09	0.09	0.08	0.08	0.07	0.06	0.50	0.20	0.02	0.03	0.03	
	285.97		S15	A	Woodland, Grass, Fair	44	26	64	39.55	32.93	24.57	0.00	0.00	0.00	1.00	0.40	85.79	142.99	171.58	
	28.71		S15	B	Woodland, Grass, Fair	65	45	83	11.81	10.96	9.78	1.51	0.19	0.00	1.00	0.30	8.61	14.36	17.23	
	33.62		S15	C	Woodland, Grass, Fair	77	59	92	20.06	19.19	17.94	6.64	3.36	0.83	1.00	0.25	10.09	16.81	20.17	
	89.19		S15	D	Woodland, Grass, Fair	82	66	95	60.58	58.57	55.66	25.38	15.44	6.40	1.00	0.20	26.76	44.60	53.52	
	21.74		S16	D	Barren	93	83	99	18.93	18.69	18.34	12.92	10.54	7.65	1.00	0.20	6.52	10.87	13.04	
	10.52		S16	A	Chaparral, Broadleaf, Fair	40	23	60	1.02	0.81	0.55	0.00	0.00	0.00	1.00	0.40	3.16	5.26	6.31	
	914.67		S16	C	Chaparral, Broadleaf, Fair	75	57	91	516.43	491.79	456.71	154.11	71.01	12.34	1.00	0.25	274.40	457.34	548.80	
	860.30		S16	D	Chaparral, Broadleaf, Fair	81	64	95	569.91	549.89	520.90	227.47	133.74	51.05	1.00	0.20	258.09	430.15	516.18	
	3.59		S16	A	Chaparral, Narrowleaf, Fair	55	35	75	0.97	0.87	0.74	0.01	0.00	0.00	1.00	0.40	1.08	1.79	2.15	
	147.16		S16	C	Chaparral, Narrowleaf, Fair	81	64	95	97.49	94.07	89.11	38.91	22.88	8.73	1.00	0.25	44.15	73.58	88.30	
	541.02		S16	D	Chaparral, Narrowleaf, Fair	86	72	97	404.26	394.01	378.95	202.76	138.72	73.93	1.00	0.20	162.31	270.51	324.61	
	1.56		S16	A	Open Brush, Fair	46	28	66	0.25	0.21	0.16	0.00	0.00	0.00	1.00	0.40	0.47	0.78	0.94	
	21.05		S16	C	Open Brush, Fair	77	59	92	12.56	12.02	11.24	4.16	2.11	0.52	1.00	0.25	6.32	10.53	12.63	
	492.25		S16	D	Open Brush, Fair	83	67	96	342.61	331.94	316.39	150.29	94.34	42.01	1.00	0.20	147.68	246.13	295.35	
	112.03		S16	C	Residential 2.5 acre lots	69	50	86	58.29	55.32	51.16	44.15	32.19	20.48	0.90	0.25	30.25	50.41	60.50	
	3.80		S16	A	Woodland, Grass, Fair	44	26	64	0.52	0.44	0.33	0.00	0.00	0.00	1.00	0.40	1.14	1.90	2.28	
	63.48		S16	C	Woodland, Grass, Fair	77	59	92	37.88	36.24	33.88	12.55	6.35	1.58	1.00	0.25	19.04	31.74	38.09	
	10.66		S16	D	Woodland, Grass, Fair	82	66	95	7.24	7.00	6.65	3.03	1.85	0.76	1.00	0.20	3.20	5.33	6.40	
	0.53		S17	A	Barren	78	61	93	0.32	0.31	0.29	0.11	0.06	0.02	1.00	0.40	0.16	0.26	0.32	
	21.11		S17	C	Barren	91	80	98	17.62	17.34	16.92	11.01	8.56	5.75	1.00	0.25	6.33	10.55	12.66	
	20.15		S17	D	Barren	93	83	99	17.54	17.33	17.00	11.97	9.77	7.09	1.00	0.20	6.04	10.07	12.09	
	72.38		S17	A	Chaparral, Broadleaf, Fair	40	23	60	7.00	5.55	3.79	0.00	0.00	0.00	1.00	0.40	21.71	36.19	43.43	
	209.48		S17	C	Chaparral, Broadleaf, Fair	75	57	91	118.27	112.63	104.60	35.29	16.26	2.83	1.00	0.25	62.84	104.74	125.69	
	13.50		S17	D	Chaparral, Broadleaf, Fair	81	64	95	8.95	8.63	8.18	3.57	2.10	0.80	1.00	0.20	4.05	6.75	8.10	
	9.54		S17	A	Chaparral, Narrowleaf, Fair	55	35	75	2.59	2.32	1.96	0.03	0.00	0.00	1.00	0.40	2.86	4.77	5.72	
	1.42		S17	B	Chaparral, Narrowleaf, Fair	72	53	89	0.74	0.70	0.64	0.18	0.07	0.00	1.00	0.30	0.43	0.71	0.85	
	11.72		S17	C	Chaparral, Narrowleaf, Fair	81	64	95	7.77	7.49	7.10	3.10	1.82	0.70	1.00	0.25	3.52	5.86	7.03	
	1.51		S17	D	Chaparral, Narrowleaf, Fair	86	72	97	1.13	1.10	1.06	0.57	0.39	0.21	1.00	0.20	0.45	0.76	0.91	
	0.07		S17	A	Commercial, Industrial	32	17	52	0.06	0.06	0.06	0.06	0.06	0.05	0.10	0.40	0.00	0.00	0.00	
	7.31		S17	C	Commercial, Industrial	69	50	86	6.67	6.63	6.57	6.45	6.22	5.90	0.10	0.25	0.22	0.37	0.44	
	6.95		S17	D	Commercial, Industrial	75	57	91	6.42	6.38	6.32	6.21	5.98	5.67	0.10	0.20	0.21	0.35	0.42	
	0.08		S17	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00	1.00	0.40	0.02	0.04	0.05	
	0.41		S17	B	Grass, Annual or Perennial, Fair	69	50	86	0.19	0.18	0.16	0.04	0.01	0.00	1.00	0.30	0.12	0.20	0.24	
	0.48		S17	C	Grass, Annual or Perennial, Fair	79	62	93	0.30	0.29	0.28	0.11	0.06	0.02	1.00	0.25	0.14	0.24	0.29	
	29.46		S17	D	Grass, Annual or Perennial, Fair	84	69	96	21.00	20.39	19.50	9.63	6.22	2.95	1.00	0.20	8.84	14.73	17.68	
	139.45		S17	A	Open Brush, Fair	46	28	66	22.41	18.99	14.62	0.00	0.00	0.00	1.00	0.40	41.84	69.73	83.67	
	11.51		S17	B	Open Brush, Fair	66	46	84	4.90	4.56	4.09	0.71	0.12	0.00	1.00	0.30	3.45	5.75	6.91	
	503.55		S17	C	Open Brush, Fair	77	59	92	300.49	287.45	268.78	99.53	50.40	12.50	1.00	0.25	151.06	251.77	302.13	
	92.80		S17	D	Open Brush, Fair	83	67	96	64.59	62.58	59.65	28.33	17.79	7.92	1.00	0.20	27.84	46.40		

RANCHO MISSION VIEJO																							
PA-3&4 (Ultimate Conditions)																							
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)																							
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	50	25	10	5	2											
							P ₂₄ (Inches)																
							AMC			AMC 1/AMCII									5.63				
II	I	III																					
	0.33		S17	D	Woodland, Grass, Fair	82	66	95	0.23	0.22	0.21	0.09	0.06	0.02		1.00	0.20	0.10	0.17	0.20			
	6.56		S18	C	Chaparral, Broadleaf, Fair	75	57	91	3.70	3.53	3.27	1.10	0.51	0.09		1.00	0.25	1.97	3.28	3.93			
	0.00		S18	A	Chaparral, Narrowleaf, Fair	55	35	75	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00			
	2.82		S18	B	Chaparral, Narrowleaf, Fair	72	53	89	1.46	1.38	1.27	0.36	0.14	0.01		1.00	0.30	0.85	1.41	1.69			
	0.87		S18	C	Chaparral, Narrowleaf, Fair	81	64	95	0.58	0.56	0.53	0.23	0.14	0.05		1.00	0.25	0.26	0.44	0.52			
	19.41		S18	D	Chaparral, Narrowleaf, Fair	86	72	97	14.51	14.14	13.60	7.28	4.98	2.65		1.00	0.20	5.82	9.71	11.65			
	20.11		S18	A	Grass, Annual or Perennial, Fair	50	31	70	4.19	3.65	2.95	0.00	0.00	0.00		1.00	0.40	6.03	10.06	12.07			
	5.15		S18	B	Grass, Annual or Perennial, Fair	69	50	86	2.43	2.28	2.07	0.48	0.14	0.00		1.00	0.30	1.54	2.57	3.09			
	10.11		S18	C	Grass, Annual or Perennial, Fair	79	62	93	6.36	6.11	5.75	2.31	1.27	0.40		1.00	0.25	3.03	5.05	6.06			
	109.43		S18	D	Grass, Annual or Perennial, Fair	84	69	96	78.02	75.74	72.41	35.75	23.11	10.97		1.00	0.20	32.83	54.71	65.66			
	117.51		S18	A	Open Brush, Fair	46	28	66	18.88	16.00	12.32	0.00	0.00	0.00		1.00	0.40	35.25	58.75	70.50			
	59.26		S18	B	Open Brush, Fair	66	46	84	25.25	23.50	21.06	3.65	0.61	0.00		1.00	0.30	17.78	29.63	35.56			
	411.61		S18	C	Open Brush, Fair	77	59	92	245.63	234.97	219.71	81.36	41.20	10.21		1.00	0.25	123.48	205.81	246.97			
	146.66		S18	D	Open Brush, Fair	83	67	96	102.08	98.90	94.27	44.78	28.11	12.52		1.00	0.20	44.00	73.33	88.00			
	0.76		S18	A	Residential 5-7 dwellings/acre	32	17	52	0.37	0.37	0.36	0.36	0.35	0.33		0.50	0.40	0.11	0.19	0.23			
	48.45		S18	A	Woodland, Grass, Fair	44	26	64	6.70	5.58	4.16	0.00	0.00	0.00		1.00	0.40	14.54	24.23	29.07			
	14.00		S18	B	Woodland, Grass, Fair	65	45	83	5.76	5.34	4.77	0.73	0.09	0.00		1.00	0.30	4.20	7.00	8.40			
	17.16		S18	C	Woodland, Grass, Fair	77	59	92	10.24	9.79	9.16	3.39	1.72	0.43		1.00	0.25	5.15	8.58	10.29			
	37.74		S18	D	Woodland, Grass, Fair	82	66	95	25.63	24.78	23.55	10.74	6.53	2.71		1.00	0.20	11.32	18.87	22.64			
11927	4.4		s19	A	Residential 5-7 dwellings/acre	32	17	52	2.18	2.15	2.11	2.08	2.03	1.95		0.50	0.40	0.66	1.10	1.32			
11927	23.2		s19	A	Grass, Annual or Perennial, Fair	50	31	70	4.83	4.21	3.40	0.00	0.00	0.00		1.00	0.40	6.96	11.60	13.92			
11927	47.6		s19	A	Chaparral, Broadleaf, Fair	40	23	60	4.60	3.65	2.49	0.00	0.00	0.00		1.00	0.40	14.28	23.80	28.56			
11927	47.9		s19	A	Woodland, Grass, Fair	44	26	64	6.62	5.51	4.12	0.00	0.00	0.00		1.00	0.40	14.37	23.95	28.74			
11927	170.2		s19	A	Open Brush, Fair	46	28	66	27.35	23.18	17.85	0.00	0.00	0.00		1.00	0.40	51.06	85.10	102.12			
11927	4.2		s19	B	Grass, Annual or Perennial, Fair	69	50	86	1.98	1.86	1.69	0.39	0.11	0.00		1.00	0.30	1.26	2.10	2.52			
11927	6.7		s19	B	Chaparral, Broadleaf, Fair	63	43	81	2.56	2.36	2.09	0.26	0.01	0.00		1.00	0.30	2.01	3.35	4.02			
11927	13.9		s19	B	Open Brush, Fair	66	46	84	5.92	5.51	4.94	0.86	0.14	0.00		1.00	0.30	4.17	6.95	8.34			
11927	15.8		s19	B	Woodland, Grass, Fair	65	45	83	6.50	6.03	5.38	0.83	0.10	0.00		1.00	0.30	4.74	7.90	9.48			
11927	0.5		s19	C	Barren	91	80	98	0.42	0.41	0.40	0.26	0.20	0.14		1.00	0.25	0.15	0.25	0.30			
11927	53.3		s19	C	Chaparral, Narrowleaf, Fair	81	64	95	35.31	34.07	32.27	14.09	8.29	3.16		1.00	0.25	15.99	26.65	31.98			
11927	77.7		s19	C	Residential 2.5 acre lots	69	50	86	40.43	38.37	35.48	30.62	22.33	14.20		0.90	0.25	20.98	34.97	41.96			
11927	87.9		s19	C	Grass, Annual or Perennial, Fair	79	62	93	55.32	53.15	50.03	20.10	11.01	3.47		1.00	0.25	26.37	43.95	52.74			
11927	174.3		s19	C	Woodland, Grass, Fair	77	59	92	104.01	99.50	93.04	34.45	17.45	4.33		1.00	0.25	52.29	87.15	104.58			
11927	636.1		s19	C	Chaparral, Broadleaf, Fair	75	57	91	359.15	342.01	317.61	107.17	49.38	8.58		1.00	0.25	190.83	318.05	381.66			
11927	1061.1		s19	C	Open Brush, Fair	77	59	92	633.21	605.74	566.39	209.73	106.21	26.33		1.00	0.25	318.33	530.55	636.66			
11927	0.1		s19	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.06			
11927	10		s19	D	Woodland, Grass, Fair	82	66	95	6.79	6.57	6.24	2.85	1.73	0.72		1.00	0.20	3.00	5.00	6.00			
11927	68.8		s19	D	Grass, Annual or Perennial, Fair	84	69	96	49.05	47.62	45.53	22.48	14.53	6.90		1.00	0.20	20.64	34.40	41.28			
11927	143.4		s19	D	Chaparral, Narrowleaf, Fair	86	72	97	107.15	104.44	100.44	53.74	36.77	19.60		1.00	0.20	43.02	71.70	86.04			
11927	295.1		s19	D	Open Brush, Fair	83	67	96	205.39	199.00	189.67	90.10	56.55	25.18		1.00	0.20	88.53	147.55	177.06			
11927	399.8		s19	D	Chaparral, Broadleaf, Fair	81	64	95	264.85	255.55	242.07	105.71	62.15	23.72		1.00	0.20	119.94	199.90	239.88			
	3.13		S20	A	Chaparral, Broadleaf, Fair	40	23	60	0.30	0.24	0.16	0.00	0.00	0.00		1.00	0.40	0.94	1.56	1.88			
	156.82		S20	C	Chaparral, Broadleaf, Fair	75	57	91	88.54	84.32	78.30	26.42	12.17	2.12		1.00	0.25	47.05	78.41	94.09			
	368.60		S20	D	Chaparral, Broadleaf, Fair	81	64	95	244.18	235.61	223.18	97.46	57.30	21.87		1.00	0.20	110.58	184.30	221.16			
	0.22		S20	A	Chaparral, Narrowleaf, Fair	55	35	75	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13			
	92.39		S20	C	Chaparral, Narrowleaf, Fair	81	64	95	61.20	59.05	55.94	24.43	14.36	5.48		1.00	0.25	27.72	46.19	55.43			
	852.18		S20	D	Chaparral, Narrowleaf, Fair	86	72	97	636.77	620.63	596.90	319.37	218.51	116.46		1.00	0.20	255.65	426.09	511.31			
	0.66		S20	A	Open Brush, Fair	46	28	66	0.11	0.09	0.07	0.00	0.00	0.00		1.00	0.40	0.20	0.33	0.40			
	17.20		S20	C	Open Brush, Fair	77	59	92	10.27	9.82	9.18	3.40	1.72	0.43		1.00	0.25	5.16	8.60	10.32			
	269.04		S20	D	Open Brush, Fair	83	67	96	187.26	181.43	172.93	82.14	51.56	22.96		1.00	0.20	80.71	134.52	161.43			
	10.84		S20	C	Woodland, Fair	73	55	89	5.78	5.48	5.05	1.53	0.63	0.06		1.00	0.25	3.25	5.42	6.50			
	23.85		S20	D	Woodland, Fair	79	62	93	15.01	14.42	13.57	5.45	2.99	0.94		1.00	0.20	7.16	11.93	14.31			
	9.34		S20	A	Woodland, Grass, Fair	44	26	64	1.29	1.08	0.80	0.00	0.00	0.00		1.00	0.40	2.80	4.67	5.61			
	25.73		S20	C	Woodland, Grass, Fair	77	59	92	15.36	14.69	13.74	5.09	2.58	0.64		1.00	0.25	7.72	12.87	15.44			
	83.67		S20	D	Woodland, Grass, Fair	82	66	95	56.83	54.94	52.21	23.81	14.48	6.00		1.00	0.20	25.10	41.83	50.20			
	4.21		S21	A	Chaparral, Broadleaf, Fair	40	23	60	0.41	0.32	0.22	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52			
	127.31		S21	C	Chaparral, Broadleaf, Fair	75	57	91	71.88	68.45	63.57	21.45	9.88	1.7									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC I/AMCII									5.63				
	2.82		S22	B	Chaparral, Broadleaf, Fair	63	43	81	1.08	0.99	0.88	0.11	0.01	0.00		1.00	0.30	0.84	1.41	1.69		
	393.29		S22	C	Chaparral, Broadleaf, Fair	75	57	91	222.05	211.46	196.37	66.26	30.53	5.31		1.00	0.25	117.99	196.64	235.97		
	179.87		S22	D	Chaparral, Broadleaf, Fair	81	64	95	119.16	114.97	108.91	47.56	27.96	10.67		1.00	0.20	53.96	89.94	107.92		
	0.08		S22	A	Chaparral, Narrowleaf, Fair	55	35	75	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.05		
	121.85		S22	C	Chaparral, Narrowleaf, Fair	81	64	95	80.72	77.89	73.78	32.22	18.94	7.23		1.00	0.25	36.56	60.93	73.11		
	144.00		S22	D	Chaparral, Narrowleaf, Fair	86	72	97	107.60	104.87	100.86	53.97	36.92	19.68		1.00	0.20	43.20	72.00	86.40		
	2.33		S22	B	Commercial, Industrial	56	36	76	2.08	2.07	2.05	2.02	1.95	1.86		0.10	0.30	0.07	0.12	0.14		
	2.24		S22	C	Commercial, Industrial	69	50	86	2.05	2.03	2.02	1.98	1.91	1.81		0.10	0.25	0.07	0.11	0.13		
	2.22		S22	D	Commercial, Industrial	75	57	91	2.05	2.04	2.02	1.98	1.91	1.81		0.10	0.20	0.07	0.11	0.13		
	4.94		S22	A	Grass, Annual or Perennial, Fair	50	31	70	1.03	0.90	0.72	0.00	0.00	0.00		1.00	0.40	1.48	2.47	2.97		
	15.92		S22	B	Grass, Annual or Perennial, Fair	69	50	86	7.50	7.04	6.39	1.47	0.42	0.00		1.00	0.30	4.78	7.96	9.55		
	56.74		S22	C	Grass, Annual or Perennial, Fair	79	62	93	35.71	34.31	32.30	12.98	7.11	2.24		1.00	0.25	17.02	28.37	34.05		
	301.98		S22	D	Grass, Annual or Perennial, Fair	84	69	96	215.30	209.02	199.83	98.66	63.77	30.27		1.00	0.20	90.59	150.99	181.19		
	42.78		S22	A	Open Brush, Fair	46	28	66	6.88	5.83	4.49	0.00	0.00	0.00		1.00	0.40	12.84	21.39	25.67		
	14.27		S22	B	Open Brush, Fair	66	46	84	6.08	5.66	5.07	0.88	0.15	0.00		1.00	0.30	4.28	7.13	8.56		
	483.19		S22	C	Open Brush, Fair	77	59	92	288.34	275.83	257.92	95.50	48.37	11.99		1.00	0.25	144.96	241.59	289.91		
	756.78		S22	D	Open Brush, Fair	83	67	96	526.73	510.32	486.42	231.06	145.03	64.58		1.00	0.20	227.03	378.39	454.07		
	4.36		S22	B	Public Park	56	36	76	1.69	1.58	1.43	1.20	0.86	0.62		0.85	0.30	1.11	1.85	2.22		
	55.87		S22	C	Public Park	69	50	86	30.44	29.03	27.06	23.72	18.02	12.40		0.85	0.25	14.25	23.75	28.50		
	83.63		S22	D	Public Park	75	57	91	52.21	50.25	47.46	42.61	33.84	24.33		0.85	0.20	21.33	35.54	42.65		
	1.75		S22	C	Residential 2 dwellings/acre	69	50	86	1.08	1.04	0.99	0.90	0.75	0.59		0.70	0.25	0.37	0.61	0.73		
	1.81		S22	D	Residential 2 dwellings/acre	75	57	91	1.24	1.20	1.15	1.06	0.90	0.72		0.70	0.20	0.38	0.63	0.76		
	34.00		S22	B	Residential 3-4 dwellings/acre	56	36	76	18.91	18.27	17.41	16.04	13.94	12.24		0.80	0.30	6.12	10.20	12.24		
	9.18		S22	C	Residential 3-4 dwellings/acre	69	50	86	6.13	5.96	5.71	5.30	4.58	3.83		0.60	0.25	1.65	2.75	3.30		
	87.11		S22	D	Residential 3-4 dwellings/acre	75	57	91	63.05	61.52	59.34	55.52	48.49	40.58		0.60	0.20	15.68	26.13	31.36		
	35.58		S22	B	Residential 5-7 dwellings/acre	56	36	76	22.20	21.62	20.84	19.59	17.62	15.93		0.50	0.30	5.34	8.90	10.67		
	115.58		S22	C	Residential 5-7 dwellings/acre	69	50	86	82.85	80.97	78.32	73.79	65.77	57.23		0.50	0.25	17.34	28.89	34.67		
	173.99		S22	D	Residential 5-7 dwellings/acre	75	57	91	132.85	130.21	126.43	119.78	107.42	93.22		0.50	0.20	26.10	43.50	52.20		
	18.54		S22	B	Turf, Good	58	38	77	5.79	5.24	4.51	3.34	1.61	0.33		1.00	0.30	5.56	9.27	11.12		
	96.29		S22	C	Turf, Good	72	53	89	49.81	47.10	43.26	36.72	25.30	13.67		1.00	0.25	28.89	48.14	57.77		
	50.29		S22	D	Turf, Good	79	62	93	31.65	30.41	28.62	25.47	19.58	12.89		1.00	0.20	15.09	25.15	30.18		
	0.24		S22	D	Turf, Good	79	62	93	0.15	0.14	0.14	0.12	0.09	0.06		1.00	0.20	0.07	0.12	0.14		
	6.37		S22	B	Water	98	95	100	6.13	6.11	6.07	6.01	5.87	5.64		0.00	0.30	0.00	0.00	0.00		
	13.17		S22	C	Water	98	95	100	12.68	12.63	12.57	12.43	12.14	11.67		0.00	0.25	0.00	0.00	0.00		
	4.04		S22	D	Water	98	95	100	3.89	3.88	3.86	3.82	3.73	3.58		0.00	0.20	0.00	0.00	0.00		
	111.58		S22	A	Woodland, Grass, Fair	44	26	64	15.43	12.85	9.59	0.00	0.00	0.00		1.00	0.40	33.47	55.79	66.95		
	10.81		S22	B	Woodland, Grass, Fair	65	45	83	4.45	4.12	3.68	0.57	0.07	0.00		1.00	0.30	3.24	5.40	6.48		
	116.11		S22	C	Woodland, Grass, Fair	77	59	92	69.29	66.28	61.97	22.95	11.62	2.88		1.00	0.25	34.83	58.05	69.66		
	182.56		S22	D	Woodland, Grass, Fair	82	66	95	123.99	119.88	113.92	51.95	31.60	13.09		1.00	0.20	54.77	91.28	109.54		
	9.49		S23	A	Chaparral, Broadleaf, Fair	40	23	60	0.92	0.73	0.50	0.00	0.00	0.00		1.00	0.40	2.85	4.75	5.69		
	40.94		S23	C	Chaparral, Broadleaf, Fair	75	57	91	23.12	22.01	20.44	6.90	3.18	0.55		1.00	0.25	12.28	20.47	24.56		
	3.64		S23	D	Chaparral, Broadleaf, Fair	81	64	95	2.41	2.33	2.20	0.96	0.57	0.22		1.00	0.20	1.09	1.82	2.18		
	4.78		S23	A	Grass, Annual or Perennial, Fair	50	31	70	0.99	0.87	0.70	0.00	0.00	0.00		1.00	0.40	1.43	2.39	2.87		
	3.71		S23	B	Grass, Annual or Perennial, Fair	69	50	86	1.75	1.64	1.49	0.34	0.10	0.00		1.00	0.30	1.11	1.85	2.22		
	67.78		S23	C	Grass, Annual or Perennial, Fair	79	62	93	42.66	40.98	38.58	15.50	8.49	2.68		1.00	0.25	20.33	33.89	40.67		
	228.76		S23	D	Grass, Annual or Perennial, Fair	84	69	96	163.10	158.33	151.38	74.74	48.31	22.93		1.00	0.20	68.63	114.38	137.25		
	16.32		S23	A	Open Brush, Fair	46	28	66	2.62	2.22	1.71	0.00	0.00	0.00		1.00	0.40	4.90	8.16	9.79		
	27.24		S23	B	Open Brush, Fair	66	46	84	11.61	10.80	9.68	1.68	0.28	0.00		1.00	0.30	8.17	13.62	16.35		
	492.24		S23	C	Open Brush, Fair	77	59	92	293.74	281.00	262.75	97.29	49.27	12.21		1.00	0.25	147.67	246.12	295.34		
	351.19		S23	D	Open Brush, Fair	83	67	96	244.43	236.82	225.72	107.22	67.30	29.97		1.00	0.20	105.36	175.59	210.71		
	0.08		S23	D	Public Park	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.85	0.20	0.02	0.03	0.04		
	1.08		S23	C	Residential 3-4 dwellings/acre	69	50	86	0.72	0.70	0.67	0.62	0.54	0.45		0.60	0.25	0.19	0.32	0.39		
	0.00		S23	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00		
	142.11		S23	A	Woodland, Grass, Fair	44	26	64	19.65	16.36	12.21	0.00	0.00	0.00		1.00	0.40	42.63	71.05	85.26		
	6.84		S23	B	Woodland, Grass, Fair	65	45	83	2.81	2.61	2.33	0.36	0.04	0.00		1.00	0.30	2.05	3.42	4.10		
	139.99		S23	C	Woodland, Grass, Fair	77	59	92	83.54	79.92	74.73	27.67	14.01	3.47		1.00	0.25	42.00	70.00	84.00		
	47.57		S23	D	Woodland, Grass, Fair	82	66	95	32.31	31.24	29.68	13.54	8.23	3.41		1.00	0.20	14.27	23.78	28.54		
	13.09		S24	A	Chaparral, Broadleaf, Fair	40	23	60	1.27	1.00	0.69	0.00	0.00	0.00		1.00	0.40	3.93	6.55	7.85		
	276.29		S24	C	Chaparral, Broadleaf, Fair	75	57	91	155.99	148.55	137.95	46.55	21.45	3.73		1.00	0.25	82.89	138.14	165.77		
	147.05		S24	D	Chaparral, Broadleaf, Fair	81	64	95	97.41	93.99	89.04	38.88	22.86	8.73		1.00	0.20	44.12	73.53	88.23		
	6.85		S24	B	Chaparral, Narrowleaf, Fair	72	53	89	3.55	3.35	3											

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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
						EV						HC	Storm Event (Year)							HC			
						100	50	25	10	5	2	100	EV						HC				
						AMC			P ₂₄ (Inches)				Storm Event (Year)							HC			
						II	I	III	AMC 1/AMCII						EV						HC		
	491.04		S24	D	Open Brush, Fair	83	67	96	341.77	331.12	315.61	149.92	94.10	41.90		1.00	0.20	147.31	245.52	294.62			
	103.80		S24	A	Woodland, Grass, Fair	44	26	64	14.36	11.95	8.92	0.00	0.00	0.00		1.00	0.40	31.14	51.90	62.28			
	3.00		S24	B	Woodland, Grass, Fair	65	45	83	1.24	1.15	1.02	0.16	0.02	0.00		1.00	0.30	0.90	1.50	1.80			
	103.45		S24	C	Woodland, Grass, Fair	77	59	92	61.73	59.06	55.22	20.45	10.35	2.57		1.00	0.25	31.04	51.73	62.07			
	80.24		S24	D	Woodland, Grass, Fair	82	66	95	54.50	52.69	50.07	22.83	13.89	5.75		1.00	0.20	24.07	40.12	48.14			
	0.38		S25	A	Chaparral, Broadleaf, Fair	40	23	60	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.11	0.19	0.23			
	10.79		S25	B	Chaparral, Broadleaf, Fair	63	43	81	4.12	3.80	3.36	0.42	0.02	0.00		1.00	0.30	3.24	5.39	6.47			
	180.22		S25	C	Chaparral, Broadleaf, Fair	75	57	91	101.75	96.90	89.99	30.36	13.99	2.43		1.00	0.25	54.07	90.11	108.13			
	52.57		S25	D	Chaparral, Broadleaf, Fair	81	64	95	34.83	33.60	31.83	13.90	8.17	3.12		1.00	0.20	15.77	26.29	31.54			
	7.58		S25	B	Chaparral, Narrowleaf, Fair	72	53	89	3.92	3.71	3.41	0.97	0.37	0.02		1.00	0.30	2.27	3.79	4.55			
	94.15		S25	C	Chaparral, Narrowleaf, Fair	81	64	95	62.37	60.18	57.01	24.90	14.64	5.59		1.00	0.25	28.25	47.08	56.49			
	99.70		S25	D	Chaparral, Narrowleaf, Fair	86	72	97	74.50	72.61	69.84	37.37	25.56	13.63		1.00	0.20	29.91	49.85	59.82			
	5.79		S25	A	Grass, Annual or Perennial, Fair	50	31	70	1.21	1.05	0.85	0.00	0.00	0.00		1.00	0.40	1.74	2.90	3.48			
	16.90		S25	B	Grass, Annual or Perennial, Fair	69	50	86	7.96	7.47	6.79	1.57	0.45	0.00		1.00	0.30	5.07	8.45	10.14			
	11.07		S25	C	Grass, Annual or Perennial, Fair	79	62	93	6.97	6.69	6.30	2.53	1.39	0.44		1.00	0.25	3.32	5.53	6.64			
	114.48		S25	D	Grass, Annual or Perennial, Fair	84	69	96	81.62	79.24	75.75	37.40	24.18	11.47		1.00	0.20	34.34	57.24	68.69			
	94.58		S25	A	Open Brush, Fair	46	28	66	15.20	12.88	9.92	0.00	0.00	0.00		1.00	0.40	28.38	47.29	56.75			
	159.36		S25	B	Open Brush, Fair	66	46	84	67.91	63.19	56.64	9.83	1.65	0.00		1.00	0.30	47.81	79.68	95.61			
	612.94		S25	C	Open Brush, Fair	77	59	92	365.77	349.90	327.18	121.15	61.35	15.21		1.00	0.25	183.88	306.47	367.77			
	479.25		S25	D	Open Brush, Fair	83	67	96	333.57	323.18	308.04	146.32	91.85	40.90		1.00	0.20	143.78	239.63	287.55			
	33.85		S25	A	Public Park	32	17	52	5.75	5.40	5.05	4.79	4.68	4.50		0.85	0.40	8.63	14.39	17.27			
	7.86		S25	B	Public Park	56	36	76	3.04	2.84	2.58	2.16	1.55	1.11		0.85	0.30	2.00	3.34	4.01			
	3.30		S25	C	Public Park	69	50	86	1.80	1.71	1.60	1.40	1.06	0.73		0.85	0.25	0.84	1.40	1.68			
	2.46		S25	D	Public Park	75	57	91	1.54	1.48	1.40	1.26	1.00	0.72		0.85	0.20	0.63	1.05	1.26			
	173.60		S25	A	Woodland, Grass, Fair	44	26	64	24.01	19.99	14.91	0.00	0.00	0.00		1.00	0.40	52.08	86.80	104.16			
	26.34		S25	B	Woodland, Grass, Fair	65	45	83	10.84	10.05	8.97	1.38	0.17	0.00		1.00	0.30	7.90	13.17	15.80			
	132.01		S25	C	Woodland, Grass, Fair	77	59	92	78.78	75.36	70.47	26.09	13.21	3.28		1.00	0.25	39.60	66.01	79.21			
	30.90		S25	D	Woodland, Grass, Fair	82	66	95	20.99	20.29	19.28	8.79	5.35	2.22		1.00	0.20	9.27	15.45	18.54			
	0.20	E-1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.25	0.05	0.09	0.11			
	0.50	E-1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.19	0.13		0.90	0.20	0.14	0.23	0.27			
	0.80	E-1	S26.1	D	Commercial	75	57	91	0.74	0.73	0.73	0.71	0.69	0.65		0.10	0.20	0.02	0.04	0.05			
	0.10	E-2	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.25	0.00	0.01	0.01			
	2.10	E-2	S26.1	D	Commercial	75	57	91	1.94	1.93	1.91	1.87	1.81	1.71		0.10	0.20	0.06	0.11	0.13			
	0.70	E-2	S26.1	D	Residential 2.5 acre lots	75	57	91	0.42	0.41	0.38	0.34	0.26	0.18		0.90	0.20	0.19	0.32	0.38			
	0.60	E-2.1	S26.1	B	Commercial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04			
	0.20	E-2.1	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.07	0.06	0.05	0.03	0.02		0.90	0.30	0.05	0.09	0.11			
	3.00	E-2.1	S26.1	C	Commercial	69	50	86	2.74	2.72	2.70	2.65	2.55	2.42		0.10	0.25	0.09	0.15	0.18			
	0.10	E-2.1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05			
	1.70	E-2.1	S26.1	D	Commercial	75	57	91	1.57	1.56	1.54	1.52	1.46	1.39		0.10	0.20	0.05	0.09	0.10			
	0.50	E-2.1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.19	0.13		0.90	0.20	0.14	0.23	0.27			
	2.00	E-3	S26.1	C	Residential 2.5 acre lots	69	50	86	1.04	0.99	0.91	0.79	0.57	0.37		0.90	0.25	0.54	0.90	1.08			
	2.20	E-3	S26.1	D	Residential 2.5 acre lots	75	57	91	1.33	1.28	1.20	1.06	0.82	0.56		0.90	0.20	0.59	0.99	1.19			
	4.20	E-3	S26.1	B	Residential 2.5 acre lots	56	36	76	1.48	1.37	1.22	0.99	0.65	0.41		0.90	0.30	1.13	1.89	2.27			
	5.30	E-3	S26.1	B	Commercial	56	36	76	4.74	4.71	4.67	4.59	4.43	4.23		0.10	0.30	0.16	0.27	0.32			
	7.10	E-3	S26.1	D	Commercial	75	57	91	6.55	6.51	6.45	6.34	6.11	5.79		0.10	0.20	0.21	0.36	0.43			
	8.60	E-3	S26.1	C	Commercial	69	50	86	7.85	7.80	7.73	7.59	7.32	6.94		0.10	0.25	0.26	0.43	0.52			
	0.60	E-4	S26.1	A	Residential 2.5 acre lots	32	17	52	0.07	0.07	0.06	0.06	0.06	0.05		0.90	0.40	0.16	0.27	0.32			
	1.30	E-4	S26.1	B	Residential 2.5 acre lots	56	36	76	0.46	0.42	0.38	0.31	0.20	0.13		0.90	0.30	0.35	0.59	0.70			
	5.60	E-4	S26.1	A	Commercial	32	17	52	4.87	4.84	4.81	4.76	4.64	4.46		0.10	0.40	0.17	0.28	0.34			
	8.30	E-4	S26.1	B	Commercial	56	36	76	7.43	7.38	7.31	7.18	6.94	6.62		0.10	0.30	0.25	0.42	0.50			
	5.60	E-5	S26.1	A	Apartments	32	17	52	4.35	4.32	4.28	4.23	4.13	3.97		0.20	0.40	0.34	0.56	0.67			
	12.30	E-5	S26.1	B	Apartments	56	36	76	10.17	10.07	9.92	9.67	9.24	8.74		0.20	0.30	0.74	1.23	1.48			
	0.50	E-5	S26.1	A	Commercial	32	17	52	0.43	0.43	0.43	0.42	0.41	0.40		0.10	0.40	0.02	0.03	0.03			
	5.40	E-5	S26.1	B	Commercial	56	36	76	4.83	4.80	4.75	4.67	4.51	4.31		0.10	0.30	0.16	0.27	0.32			
	4.70	E-5	S26.1	A	Residential 2.5 acre lots	32	17	52	0.58	0.53	0.48	0.44	0.43	0.42		0.90	0.40	1.27	2.12	2.54			
	4.20	E-5	S26.1	B	Residential 2.5 acre lots	56	36	76	1.48	1.37	1.22	0.99	0.65	0.41		0.90	0.30	1.13	1.89	2.27			
	9.90	E-5	S26.1	A	Commercial	32	17	52	8.61	8.56	8.51	8.41	8.21	7.89		0.10	0.40	0.30	0.50	0.59			
	0.10	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	0.10	OE-1	S26.1	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.20	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.11	0.11	0.10	0.03	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	0.50	OE-1	S26.1	C	Open Brush, Fair	77	59	92	0.30	0.29	0.27	0.10	0.05	0.01		1.00	0.25	0.15	0.25	0.30			
	2.10	OE-2	S26.1	D	Open Brush, Fair	83	67	96	1.46	1.42	1.35	0.64	0.40	0.18		1.00	0.20	0.63	1.05	1.26			
	3.10	OE-2	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	1.75	1.67	1.55	0.52	0.24	0.04		1.00	0.25	0.93	1.55	1.86			
	3.20	OE-2	S26.1	C	Open Brush, Fair	77	59	92	1.91	1.83	1.71	0.63	0.32	0.08		1.00	0.25	0.96	1.60	1.92			
	0.10	OE-3	S26.1	B	Chaparral																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														
	10.40	OE-3	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.87	5.59	5.19	1.75	0.81	0.14	1.00	0.25	3.12	5.20	6.24				
	0.10	OE-4	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.07	0.06	0.06	0.03	0.02	0.01	1.00	0.20	0.03	0.05	0.06				
	0.30	OE-4	S26.1	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01	1.00	0.25	0.09	0.15	0.18				
	0.60	OE-4	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.34	0.32	0.30	0.10	0.05	0.01	1.00	0.25	0.18	0.30	0.36				
	0.10	OE-5	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.09	0.08	1.00	0.25	0.00	0.01	0.01				
	0.90	OE-5	S26.1	B	Residential 2.5 acre lots	56	36	76	0.32	0.29	0.26	0.21	0.14	0.09	0.90	0.30	0.24	0.41	0.49				
	1.30	OE-5	S26.1	B	Commercial	56	36	76	1.16	1.16	1.14	1.12	1.09	1.04	0.10	0.30	0.04	0.07	0.08				
	0.80	OE-5	S26.1	D	Open Brush, Fair	83	67	96	0.56	0.54	0.51	0.24	0.15	0.07	1.00	0.20	0.24	0.40	0.48				
	2.40	OE-5	S26.1	C	Open Brush, Fair	77	59	92	1.43	1.37	1.28	0.47	0.24	0.06	1.00	0.25	0.72	1.20	1.44				
	3.20	OE-5	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.12	2.05	1.94	0.85	0.50	0.19	1.00	0.20	0.96	1.60	1.92				
	4.00	OE-5	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.53	1.41	1.25	0.15	0.01	0.00	1.00	0.30	1.20	2.00	2.40				
	7.10	OE-5	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	4.01	3.82	3.55	1.20	0.55	0.10	1.00	0.25	2.13	3.55	4.26				
	1.00	OE-6	S26.1	B	Commercial	56	36	76	0.89	0.89	0.88	0.87	0.84	0.80	0.10	0.30	0.03	0.05	0.06				
	0.20	OE-6	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.07	0.06	0.05	0.03	0.02	0.90	0.30	0.05	0.09	0.11				
	0.50	OE-6	S26.1	B	Open Brush, Fair	66	46	84	0.21	0.20	0.18	0.03	0.01	0.00	1.00	0.30	0.15	0.25	0.30				
	1.80	OE-6	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	1.02	0.97	0.90	0.30	0.14	0.02	1.00	0.25	0.54	0.90	1.08				
	2.60	OE-6	S26.1	D	Open Brush, Fair	83	67	96	1.81	1.75	1.67	0.79	0.50	0.22	1.00	0.20	0.78	1.30	1.56				
	3.40	OE-6	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.30	1.20	1.06	0.13	0.01	0.00	1.00	0.30	1.02	1.70	2.04				
	3.60	OE-6	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.38	2.30	2.18	0.95	0.56	0.21	1.00	0.20	1.08	1.80	2.16				
	0.10	OE-6	S26.1	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00	1.00	0.30	0.03	0.05	0.06				
	4.60	OE-6	S26.1	C	Open Brush, Fair	77	59	92	2.75	2.63	2.46	0.91	0.46	0.11	1.00	0.25	1.38	2.30	2.76				
	0.7	F-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.46	0.45	0.42	0.19	0.11	0.04	1.00	0.20	0.21	0.35	0.42				
	0.5	F-1	S26.2	D	Open Brush, Fair	83	67	96	0.35	0.34	0.32	0.15	0.10	0.04	1.00	0.20	0.15	0.25	0.30				
	0.2	F-2	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.06	0.01	0.00	0.00	1.00	0.30	0.06	0.10	0.12				
	5.5	F-2	S26.2	B	Commercial	56	36	76	4.92	4.89	4.84	4.76	4.60	4.39	0.10	0.30	0.17	0.28	0.33				
	0.2	F-2	S26.2	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00	1.00	0.30	0.06	0.10	0.12				
	0.1	F-2	S26.2	B	Residential 2.5 acre lots	56	36	76	0.04	0.03	0.03	0.02	0.02	0.01	0.90	0.30	0.03	0.05	0.05				
	0.1	F-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00	1.00	0.25	0.03	0.05	0.06				
	1.0	F-2	S26.2	C	Commercial	69	50	86	0.91	0.91	0.90	0.88	0.85	0.81	0.10	0.25	0.03	0.05	0.06				
	0.2	F-2	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.11	0.04	0.02	0.00	1.00	0.25	0.06	0.10	0.12				
	0.1	F-2	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02	0.90	0.25	0.03	0.05	0.05				
	3.2	F-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.12	2.05	1.94	0.85	0.50	0.19	1.00	0.20	0.96	1.60	1.92				
	3.4	F-2	S26.2	D	Commercial	75	57	91	3.14	3.12	3.09	3.04	2.93	2.77	0.10	0.20	0.10	0.17	0.20				
	3.3	F-2	S26.2	D	Open Brush, Fair	83	67	96	2.30	2.23	2.12	1.01	0.63	0.28	1.00	0.20	0.99	1.65	1.98				
	0.7	F-2	S26.2	D	Residential 2.5 acre lots	75	57	91	0.42	0.41	0.38	0.34	0.26	0.18	0.90	0.20	0.19	0.32	0.38				
	0.5	F-3	S26.2	C	Residential 2.5 acre lots	69	50	86	0.26	0.25	0.23	0.20	0.14	0.09	0.90	0.25	0.14	0.23	0.27				
	2.1	F-3	S26.2	B	Residential 2.5 acre lots	56	36	76	0.74	0.69	0.61	0.49	0.32	0.20	0.90	0.30	0.57	0.95	1.13				
	3.0	F-3	S26.2	D	Residential 2.5 acre lots	75	57	91	1.81	1.74	1.63	1.45	1.12	0.77	0.90	0.20	0.81	1.35	1.62				
	5.9	F-3	S26.2	D	Commercial	75	57	91	5.44	5.41	5.36	5.27	5.08	4.81	0.10	0.20	0.18	0.30	0.35				
	7.7	F-3	S26.2	C	Commercial	69	50	86	7.03	6.99	6.92	6.80	6.55	6.22	0.10	0.25	0.23	0.39	0.46				
	13.6	F-3	S26.2	B	Commercial	56	36	76	12.17	12.09	11.97	11.77	11.37	10.85	0.10	0.30	0.41	0.68	0.82				
	3.8	F-4	S26.2	B	Commercial	56	36	76	3.40	3.38	3.35	3.29	3.18	3.03	0.10	0.30	0.11	0.19	0.23				
	0.6	F-4	S26.2	C	Commercial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48	0.10	0.25	0.02	0.03	0.04				
	0.1	F-4	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00	1.00	0.30	0.03	0.05	0.06				
	2.4	F-4	S26.2	B	Residential 2.5 acre lots	56	36	76	0.85	0.78	0.70	0.57	0.37	0.23	0.90	0.30	0.65	1.08	1.30				
	2.2	F-4	S26.2	C	Residential 2.5 acre lots	69	50	86	1.14	1.09	1.00	0.87	0.63	0.40	0.90	0.25	0.59	0.99	1.19				
	0.3	F-4	S26.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.15	0.11	0.08	0.90	0.20	0.08	0.14	0.16				
	12.3	F-5	S26.2	A	Commercial	32	17	52	10.69	10.64	10.57	10.45	10.20	9.80	0.10	0.40	0.37	0.62	0.74				
	26.8	F-5	S26.2	B	Commercial	56	36	76	23.98	23.82	23.59	23.19	22.41	21.39	0.10	0.30	0.80	1.34	1.61				
	2.0	F-5	S26.2	C	Commercial	69	50	86	1.83	1.81	1.80	1.77	1.70	1.62	0.10	0.25	0.06	0.10	0.12				
	2.7	F-5	S26.2	A	Residential 2.5 acre lots	32	17	52	0.33	0.30	0.27	0.25	0.25	0.24	0.90	0.40	0.73	1.22	1.46				
	0.8	F-5	S26.2	B	Residential 2.5 acre lots	56	36	76	0.28	0.26	0.23	0.19	0.12	0.08	0.90	0.30	0.22	0.36	0.43				
	2.1	F-5	S26.2	C	Residential 2.5 acre lots	69	50	86	1.09	1.04	0.96	0.83	0.60	0.38	0.90	0.25	0.57	0.95	1.13				
	8.0	F-5	S26.2	A	Water	98	95	100	7.70	7.67	7.63	7.55	7.37	7.08	0.00	0.40	0.00	0.00	0.00				
	0.1	OF-1	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00	1.00	0.25	0.03	0.05	0.06				
	0.5	OF-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.32	0.30	0.13	0.08	0.03	1.00	0.20	0.15	0.25	0.30				
	1.0	OF-1	S26.2	D	Open Brush, Fair	83	67	96	0.70	0.67	0.64	0.31	0.19	0.09	1.00	0.20	0.30	0.50	0.60				
	0.6	OF-10	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.34	0.32	0.30	0.10	0.05	0.01	1.00	0.25	0.18	0.30	0.36				
	0.1	OF-11	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02	0.90	0.25	0.03	0.05	0.05				
	0.4	OF-11	S26.2	C	Commercial	69	50	86	0.37	0.36	0.36	0.35	0.34	0.32	0.10	0.25	0.01	0.02	0.02				
	0.3	OF-11	S26.2	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01	1.00	0.25	0.09	0.15	0.18				
	4.3	OF-11	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.43	2.31	2.15	0.72	0.33	0.06	1.00	0.25	1.29	2.15	2.58				
	0.1	OF-13	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100								
								AMC			P ₂₄ (Inches)							5.63				
								II	I	III												
																	Storm Event (Year)					
																		EV		HC		
																			> 5	5	2	All
	0.4	OF-15	S26.2	C	Open Brush, Fair	77	59	92	0.24	0.23	0.21	0.08	0.04	0.01		1.00	0.25	0.12	0.20	0.24		
	1.0	OF-15	S26.2	D	Open Brush, Fair	83	67	96	0.70	0.67	0.64	0.31	0.19	0.09		1.00	0.20	0.30	0.50	0.60		
	0.1	OF-16	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
	0.4	OF-16	S26.2	C	Open Brush, Fair	77	59	92	0.24	0.23	0.21	0.08	0.04	0.01		1.00	0.25	0.12	0.20	0.24		
	0.6	OF-16	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.38	0.36	0.34	0.14	0.08	0.02		1.00	0.25	0.18	0.30	0.36		
	0.7	OF-16	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.50	0.48	0.46	0.23	0.15	0.07		1.00	0.20	0.21	0.35	0.42		
	0.6	OF-17	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.40	0.38	0.36	0.16	0.09	0.04		1.00	0.20	0.18	0.30	0.36		
	1.5	OF-17	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.07	1.04	0.99	0.49	0.32	0.15		1.00	0.20	0.45	0.75	0.90		
	1.7	OF-17	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.07	1.03	0.97	0.39	0.21	0.07		1.00	0.25	0.51	0.85	1.02		
	3.4	OF-17	S26.2	C	Open Brush, Fair	77	59	92	2.03	1.94	1.81	0.67	0.34	0.08		1.00	0.25	1.02	1.70	2.04		
	7.2	OF-17	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	4.07	3.87	3.60	1.21	0.56	0.10		1.00	0.25	2.16	3.60	4.32		
	0.1	OF-18	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
	0.1	OF-18	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
	0.6	OF-18	S26.2	B	Open Brush, Fair	66	46	84	0.26	0.24	0.21	0.04	0.01	0.00		1.00	0.30	0.18	0.30	0.36		
	2.1	OF-18	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.32	1.27	1.20	0.48	0.26	0.08		1.00	0.25	0.63	1.05	1.26		
	8.9	OF-18	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.03	4.79	4.44	1.50	0.69	0.12		1.00	0.25	2.67	4.45	5.34		
	14.8	OF-18	S26.2	C	Open Brush, Fair	77	59	92	8.83	8.45	7.90	2.93	1.48	0.37		1.00	0.25	4.44	7.40	8.88		
	0.1	OF-19	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06		
	0.4	OF-19	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.26	0.24	0.11	0.06	0.02		1.00	0.20	0.12	0.20	0.24		
	0.4	OF-19	S26.2	D	Open Brush, Fair	83	67	96	0.28	0.27	0.26	0.12	0.08	0.03		1.00	0.20	0.12	0.20	0.24		
	2.9	OF-19	S26.2	B	Open Brush, Fair	66	46	84	1.24	1.15	1.03	0.18	0.03	0.00		1.00	0.30	0.87	1.45	1.74		
	5.2	OF-19	S26.2	C	Open Brush, Fair	77	59	92	3.10	2.97	2.78	1.03	0.52	0.13		1.00	0.25	1.56	2.60	3.12		
	9.5	OF-19	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.36	5.11	4.74	1.60	0.74	0.13		1.00	0.25	2.85	4.75	5.70		
	1.0	OF-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.56	0.54	0.50	0.17	0.08	0.01		1.00	0.25	0.30	0.50	0.60		
	0.6	OF-2	S26.2	C	Open Brush, Fair	77	59	92	0.36	0.34	0.32	0.12	0.06	0.01		1.00	0.25	0.18	0.30	0.36		
	2.3	OF-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.52	1.47	1.39	0.61	0.36	0.14		1.00	0.20	0.69	1.15	1.38		
	1.0	OF-2	S26.2	D	Open Brush, Fair	83	67	96	0.70	0.67	0.64	0.31	0.19	0.09		1.00	0.20	0.30	0.50	0.60		
	0.2	OF-20	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.5	OF-20	S26.2	B	Woodland, Grass, Fair	65	45	83	0.21	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30		
	1.2	OF-20	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.76	0.73	0.68	0.27	0.15	0.05		1.00	0.25	0.36	0.60	0.72		
	3.6	OF-20	S26.2	C	Woodland, Grass, Fair	77	59	92	2.15	2.06	1.92	0.71	0.36	0.09		1.00	0.25	1.08	1.80	2.16		
	3.8	OF-20	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.79	1.68	1.53	0.35	0.10	0.00		1.00	0.30	1.14	1.90	2.28		
	6.1	OF-20	S26.2	B	Open Brush, Fair	66	46	84	2.60	2.42	2.17	0.38	0.06	0.00		1.00	0.30	1.83	3.05	3.66		
	14.3	OF-20	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	8.07	7.69	7.14	2.41	1.11	0.19		1.00	0.25	4.29	7.15	8.58		
	21.6	OF-20	S26.2	C	Open Brush, Fair	77	59	92	12.89	12.33	11.53	4.27	2.16	0.54		1.00	0.25	6.48	10.80	12.96		
	0.3	OF-21	S26.2	D	Open Brush, Fair	83	67	96	0.21	0.20	0.19	0.09	0.06	0.03		1.00	0.20	0.09	0.15	0.18		
	0.3	OF-21	S26.2	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18		
	0.6	OF-21	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.40	0.38	0.36	0.16	0.09	0.04		1.00	0.20	0.18	0.30	0.36		
	2.3	OF-21	S26.2	C	Woodland, Grass, Fair	77	59	92	1.37	1.31	1.23	0.45	0.23	0.06		1.00	0.25	0.69	1.15	1.38		
	3.2	OF-21	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.81	1.72	1.60	0.54	0.25	0.04		1.00	0.25	0.96	1.60	1.92		
	0.1	OF-3	S26.2	B	Open Brush, Fair	66	46	84	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06		
	4.6	OF-3	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.60	2.47	2.30	0.78	0.36	0.06		1.00	0.25	1.38	2.30	2.76		
	4.0	OF-3	S26.2	C	Open Brush, Fair	77	59	92	2.39	2.28	2.14	0.79	0.40	0.10		1.00	0.25	1.20	2.00	2.40		
	0.6	OF-3	S26.2	C	Woodland, Grass, Fair	77	59	92	0.36	0.34	0.32	0.12	0.06	0.01		1.00	0.25	0.18	0.30	0.36		
	2.7	OF-3	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.79	1.73	1.63	0.71	0.42	0.16		1.00	0.20	0.81	1.35	1.62		
	5.1	OF-3	S26.2	D	Open Brush, Fair	83	67	96	3.55	3.44	3.28	1.56	0.98	0.44		1.00	0.20	1.53	2.55	3.06		
	0.2	OF-4	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12		
	0.7	OF-4	S26.2	D	Open Brush, Fair	83	67	96	0.49	0.47	0.45	0.21	0.13	0.06		1.00	0.20	0.21	0.35	0.42		
	0.2	OF-5	S26.2	D	Woodland, Grass, Fair	82	66	95	0.14	0.13	0.12	0.06	0.03	0.01		1.00	0.20	0.06	0.10	0.12		
	1.0	OF-5	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.56	0.54	0.50	0.17	0.08	0.01		1.00	0.25	0.30	0.50	0.60		
	1.4	OF-5	S26.2	C	Open Brush, Fair	77	59	92	0.84	0.80	0.75	0.28	0.14	0.03		1.00	0.25	0.42	0.70	0.84		
	4.4	OF-5	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.91	2.81	2.66	1.16	0.68	0.26		1.00	0.20	1.32	2.20	2.64		
	6.7	OF-5	S26.2	D	Open Brush, Fair	83	67	96	4.66	4.52	4.31	2.05	1.28	0.57		1.00	0.20	2.01	3.35	4.02		
	0.7	OF-6	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.46	0.45	0.42	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42		
	1.4	OF-6	S26.2	D	Woodland, Grass, Fair	82	66	95	0.95	0.92	0.87	0.40	0.24	0.10		1.00	0.20	0.42	0.70	0.84		
	5.4	OF-6	S26.2	D	Open Brush, Fair	83	67	96	3.76	3.64	3.47	1.65	1.03	0.46		1.00	0.20	1.62	2.70	3.24		
	0.6	OF-7	S26.2	B	Woodland, Grass, Fair	65	45	83	0.25	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36		
	0.8	OF-7	S26.2	C	Woodland, Grass, Fair	77	59	92	0.48	0.46	0.43	0.16	0.08	0.02		1.00	0.25	0.24	0.40	0.48		
	0.8	OF-7	S26.2	B	Open Brush, Fair	66	46	84	0.34	0.32	0.28	0.05	0.01	0.00		1.00	0.30	0.24	0.40	0.48</		

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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								
									EV															
									100	50	25	10	5	2	100									
						AMC			P ₂₄ (Inches)						5.63									
									II	I	III					AMC 1/AMCII								
	0.9	OF-8	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.42	0.40	0.36	0.08	0.02	0.00		1.00	0.30	0.27	0.45	0.54				
	3.8	OF-8	S26.2	D	Open Brush, Fair	83	67	96	2.64	2.56	2.44	1.16	0.73	0.32		1.00	0.20	1.14	1.90	2.28				
	4.2	OF-8	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.78	2.68	2.54	1.11	0.65	0.25		1.00	0.20	1.26	2.10	2.52				
	5.1	OF-8	S26.2	C	Woodland, Grass, Fair	77	59	92	3.04	2.91	2.72	1.01	0.51	0.13		1.00	0.25	1.53	2.55	3.06				
	7.0	OF-8	S26.2	C	Open Brush, Fair	77	59	92	4.18	4.00	3.74	1.38	0.70	0.17		1.00	0.25	2.10	3.50	4.20				
	12.0	OF-8	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	6.78	6.45	5.99	2.02	0.93	0.16		1.00	0.25	3.60	6.00	7.20				
	0.5	OF-9	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.36	0.35	0.33	0.16	0.11	0.05		1.00	0.20	0.15	0.25	0.30				
	0.7	OF-9	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.27	0.25	0.22	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42				
	2.3	OF-9	S26.2	C	Woodland, Grass, Fair	77	59	92	1.37	1.31	1.23	0.45	0.23	0.06		1.00	0.25	0.69	1.15	1.38				
	2.4	OF-9	S26.2	B	Open Brush, Fair	66	46	84	1.02	0.95	0.85	0.15	0.02	0.00		1.00	0.30	0.72	1.20	1.44				
	2.5	OF-9	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.18	1.11	1.00	0.23	0.07	0.00		1.00	0.30	0.75	1.25	1.50				
	3.2	OF-9	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	2.01	1.94	1.82	0.73	0.40	0.13		1.00	0.25	0.96	1.60	1.92				
	7.4	OF-9	S26.2	D	Woodland, Grass, Fair	82	66	95	5.03	4.86	4.62	2.11	1.28	0.53		1.00	0.20	2.22	3.70	4.44				
	12.4	OF-9	S26.2	C	Open Brush, Fair	77	59	92	7.40	7.08	6.62	2.45	1.24	0.31		1.00	0.25	3.72	6.20	7.44				
	28.2	OF-9	S26.2	D	Open Brush, Fair	83	67	96	19.63	19.02	18.13	8.61	5.40	2.41		1.00	0.20	8.46	14.10	16.92				
	31.4	OF-9	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	20.80	20.07	19.01	8.30	4.88	1.86		1.00	0.20	9.42	15.70	18.84				
	42.4	OF-9	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	23.94	22.80	21.17	7.14	3.29	0.57		1.00	0.25	12.72	21.20	25.44				
	0.8	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.48	0.46	0.43	0.16	0.08	0.02		1.00	0.25	0.24	0.40	0.48				
	2.9	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.73	1.66	1.55	0.57	0.29	0.07		1.00	0.25	0.87	1.45	1.74				
	14.8	O-3	S26.3	C	Open Brush, Fair	77	59	92	8.83	8.45	7.90	2.93	1.48	0.37		1.00	0.25	4.44	7.40	8.88				
	0.2	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.25	0.05	0.09	0.11				
	0.1	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	11.7	O-4	S26.3	C	Open Brush, Fair	77	59	92	6.98	6.68	6.25	2.31	1.17	0.29		1.00	0.25	3.51	5.85	7.02				
	1.9	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	0.99	0.94	0.87	0.75	0.55	0.35		0.90	0.25	0.51	0.86	1.03				
	0.1	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06				
	0.3	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.13	0.12	0.11	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18				
	2.3	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.81	0.75	0.67	0.54	0.35	0.22		0.90	0.30	0.62	1.04	1.24				
	0.6	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.25	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36				
	1	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.56	0.54	0.50	0.17	0.08	0.01		1.00	0.25	0.30	0.50	0.60				
	8.2	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.89	4.68	4.38	1.62	0.82	0.20		1.00	0.25	2.46	4.10	4.92				
	6.2	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	3.23	3.06	2.83	2.44	1.78	1.13		0.90	0.25	1.67	2.79	3.35				
	0.20	26.3-1	S26.3	A	Open Brush, Fair	46	28	66	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12				
	0.20	26.3-1	S26.3	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	0.50	26.3-1	S26.3	B	Woodland, Grass, Fair	65	45	83	0.21	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30				
	0.90	26.3-1	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.51	0.48	0.45	0.15	0.07	0.01		1.00	0.25	0.27	0.45	0.54				
	0.50	26.3-1	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.30	0.28	0.11	0.06	0.02		1.00	0.25	0.15	0.25	0.30				
	11.50	26.3-1	S26.3	C	Open Brush, Fair	77	59	92	6.86	6.56	6.14	2.27	1.15	0.29		1.00	0.25	3.45	5.75	6.90				
	0.30	26.3-1	S26.3	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18				
	0.20	26.3-2	S26.3	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12				
	1.30	26.3-2	S26.3	C	Open Brush, Fair	77	59	92	0.78	0.74	0.69	0.26	0.13	0.03		1.00	0.25	0.39	0.65	0.78				
	1.3	26.3-2	S26.3	A	Public Park	32	17	52	0.22	0.21	0.19	0.18	0.18	0.17		0.85	0.40	0.33	0.55	0.66				
	1.4	26.3-2	S26.3	A	Commercial, Industrial	32	17	52	1.22	1.21	1.20	1.19	1.16	1.12		0.10	0.40	0.04	0.07	0.08				
	1.7	26.3-2	S26.3	A	Residential 2.5 acre lots	32	17	52	0.21	0.19	0.17	0.16	0.16	0.15		0.90	0.40	0.46	0.77	0.92				
	12.4	26.3-2	S26.3	A	Open Brush, Fair	46	28	66	1.99	1.69	1.30	0.00	0.00	0.00		1.00	0.40	3.72	6.20	7.44				
	26.9	26.3-2	S26.3	A	Woodland, Grass, Fair	44	26	64	3.72	3.10	2.31	0.00	0.00	0.00		1.00	0.40	8.07	13.45	16.14				
	0.5	26.3-3	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.32	0.30	0.13	0.08	0.03		1.00	0.20	0.15	0.25	0.30				
	0.4	26.3-3	S26.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.14	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24				
	0.4	26.3-3	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.23	0.22	0.20	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24				
	0.6	26.3-3	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.38	0.36	0.34	0.14	0.08	0.02		1.00	0.25	0.18	0.30	0.36				
	0.7	26.3-3	S26.3	C	Public Park	69	50	86	0.38	0.36	0.34	0.30	0.23	0.16		0.85	0.25	0.18	0.30	0.36				
	0.7	26.3-3	S26.3	D	Chaparral, Narrowleaf, Fair	86	72	97	0.52	0.51	0.49	0.26	0.18	0.10		1.00	0.20	0.21	0.35	0.42				
	1.0	26.3-3	S26.3	D	Open Brush, Fair	83	67	96	0.70	0.67	0.64	0.31	0.19	0.09		1.00	0.20	0.30	0.50	0.60				
	1.2	26.3-3	S26.3	A	Open Brush, Fair	46	28	66	0.19	0.16	0.13	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72				
	1.7	26.3-3	S26.3	D	Residential 2.5 acre lots	75	57	91	1.03	0.99	0.93	0.82	0.64	0.44		0.90	0.20	0.46	0.77	0.92				
	1.9	26.3-3	S26.3	C	Open Brush, Fair	77	59	92	1.13	1.08	1.01	0.38	0.19	0.05		1.00	0.25	0.57	0.95	1.14				
	2.1	26.3-3	S26.3	C	Residential 2.5 acre lots	69	50	86	1.09	1.04	0.96	0.83	0.60	0.38		0.90	0.25	0.57	0.95	1.13				
	2.9	26.3-3	S26.3	C	Chaparral, Narrowleaf, Fair	81	64	95	1.92	1.85	1.76	0.77	0.45	0.17		1.00	0.25	0.87	1.45	1.74				
	5.6	26.3-3	S26.3	C	Woodland, Grass, Fair	77	59	92	3.34	3.20	2.99	1.11	0.56	0.14		1.00	0.25	1.68	2.80	3.36				
	9.0	26.3-3	S26.3	A	Woodland, Grass, Fair	44	26	64	1.24	1.04	0.77	0.00	0.00	0.00		1.00	0.40	2.70	4.50	5.40				
	0.5	26.3-5	S26.3	B	Row Crops, Poor	81	64	95	0.33	0.32	0.30	0.13	0.08	0.03		1.00	0.30	0.15	0.25	0.30				
	0.7	26.3-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.29	0.27	0.24	0.04	0.00	0.00		1.00	0.30	0.21	0.35	0.42				
	1.3	26.3-5	S26.3	D	Public Park	75	57	91	0.81	0.78	0.74	0.66	0.53	0.38		0.85	0.20	0.33	0.55	0.66				
	1.3	26.3-5	S26.3	A	Residential 2.5 acre lots	32	17	52	0															

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100											
						AMC			P ₂₄ (Inches)										5.63				
						II	I	III	AMC 1/AMCII														

	0.4	26.3-6	S26.3	D	Public Park	75	57	91	0.25	0.24	0.23	0.20	0.16	0.12		0.85	0.20	0.10	0.17	0.20
	0.6	26.3-6	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.40	0.38	0.36	0.16	0.09	0.04		1.00	0.20	0.18	0.30	0.36
	1.1	26.3-6	S26.3	A	Commercial, Industrial	32	17	52	0.96	0.95	0.95	0.93	0.91	0.88		0.10	0.40	0.03	0.06	0.07
	0.8	26.3-6	S26.3	A	Public Park	32	17	52	0.14	0.13	0.12	0.11	0.11	0.11		0.85	0.40	0.20	0.34	0.41
	0.8	26.3-6	S26.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.17	0.15	0.12	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48
	0.9	26.3-6	S26.3	B	Woodland, Grass, Fair	65	45	83	0.37	0.34	0.31	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54
	1.5	26.3-6	S26.3	A	Row Crops, Poor	72	53	89	0.78	0.73	0.67	0.19	0.07	0.00		1.00	0.40	0.45	0.75	0.90
	1.6	26.3-6	S26.3	C	Open Brush, Fair	77	59	92	0.95	0.91	0.85	0.32	0.16	0.04		1.00	0.25	0.48	0.80	0.96
	1.8	26.3-6	S26.3	D	Open Brush, Fair	83	67	96	1.25	1.21	1.16	0.55	0.34	0.15		1.00	0.20	0.54	0.90	1.08
	1.9	26.3-6	S26.3	C	Woodland, Grass, Fair	77	59	92	1.13	1.08	1.01	0.38	0.19	0.05		1.00	0.25	0.57	0.95	1.14
	3.3	26.3-6	S26.3	B	Open Brush, Fair	66	46	84	1.41	1.31	1.17	0.20	0.03	0.00		1.00	0.30	0.99	1.65	1.98
	3.7	26.3-6	S26.3	C	Public Park	69	50	86	2.02	1.92	1.79	1.57	1.19	0.82		0.85	0.25	0.94	1.57	1.89
	3.9	26.3-6	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	2.20	2.10	1.95	0.66	0.30	0.05		1.00	0.25	1.17	1.95	2.34
	5.9	26.3-6	S26.3	B	Public Park	56	36	76	2.28	2.13	1.93	1.62	1.16	0.83		0.85	0.30	1.50	2.51	3.01
	9.1	26.3-6	S26.3	A	Woodland, Grass, Fair	44	26	64	1.26	1.05	0.78	0.00	0.00	0.00		1.00	0.40	2.73	4.55	5.46
	20.6	26.3-6	S26.3	A	Open Brush, Fair	46	28	66	3.31	2.81	2.16	0.00	0.00	0.00		1.00	0.40	6.18	10.30	12.36
	1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.41	1.40	1.38	1.35	1.28	1.19		0.20	0.20	0.10	0.16	0.19
	0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01
	1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.95	0.94	0.93	0.90	0.86	0.80		0.20	0.25	0.07	0.11	0.13
	0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02
	1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.37	1.36	1.35	1.32	1.28	1.21		0.10	0.25	0.05	0.08	0.09
	0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01
	0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.60	0.59	0.58	0.55	0.51		0.20	0.25	0.04	0.07	0.08
	0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.44	0.44	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06
	1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.74	1.72	1.71	1.68	1.62	1.53		0.10	0.25	0.06	0.10	0.11
	2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.31	2.29	2.27	2.23	2.15	2.04		0.10	0.20	0.08	0.13	0.15
	0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.66	0.62	0.58		0.20	0.25	0.05	0.08	0.10
	0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.62	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08
	0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	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	0.09	0.08		0.10	0.20	0.00	0.01	0.01
	0.2	C1-13	S27.2	C	Public Park	69	50	86	0.11	0.10	0.10	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10
	6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.27	5.22	5.15	5.01	4.76	4.45		0.20	0.25	0.37	0.61	0.73
	6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.39	5.34	5.26	5.13	4.88	4.55		0.20	0.20	0.37	0.61	0.73
	1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.53	1.50	1.45	1.37		0.10	0.25	0.05	0.09	0.10
	1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.12	1.06		0.10	0.20	0.04	0.07	0.08
	3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.59	2.57	2.53	2.47	2.34	2.19		0.20	0.25	0.18	0.30	0.36
	2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.85	1.84	1.81	1.77	1.68	1.57		0.20	0.20	0.13	0.21	0.25
	3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.65	2.59	2.51	2.36	2.11	1.83		0.50	0.25	0.56	0.93	1.11
	6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.58	4.49	4.36	4.13	3.70	3.21		0.50	0.20	0.90	1.50	1.80
	0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.35	0.34	0.34	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05
	0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.15	0.11	0.08		0.90	0.20	0.08	0.14	0.16
	6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.87	4.76	4.61	4.34	3.87	3.37		0.50	0.25	1.02	1.70	2.04
	19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.58	14.29	13.88	13.15	11.79	10.23		0.50	0.20	2.87	4.78	5.73
	0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.37	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02
	0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01
	0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.36	0.35	0.32	0.28	0.20	0.13		0.90	0.25	0.19	0.32	0.38
	8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.38	6.24	6.03	5.68	5.07	4.41		0.50	0.25	1.34	2.23	2.67
	7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.65	5.54	5.38	5.09	4.57	3.96		0.50	0.20	1.11	1.85	2.22
	0.1	C1-17	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01
	1.4	C1-17	S27.2	A	Commercial, Industrial	32	17	52	1.22	1.21	1.20	1.19	1.16	1.12		0.10	0.40	0.04	0.07	0.08
	4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.29	4.27	4.23	4.15	4.01	3.83		0.10	0.30	0.14	0.24	0.29
	5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.57	4.54	4.49	4.41	4.25	4.04		0.10	0.25	0.15	0.25	0.30
	3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.41	3.39	3.36	3.30	3.18	3.02		0.10	0.20	0.11	0.19	0.22
	5.0	C1-17	S27.2	D	Public Park	75	57	91	3.12	3.00	2.84	2.55	2.02	1.45		0.85	0.20	1.28	2.13	2.55
	4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.46	3.42	3.37	3.29	3.12	2.92		0.20	0.25	0.24	0.40	0.48
	12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.21	11.11	10.96	10.69	10.16	9.47		0.20	0.20	0.76	1.27	1.52
	1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.39	0.36	0.32	0.26	0.17	0.11		0.90	0.30	0.30	0.50	0.59
	1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.78	0.74	0.68	0.59	0.43	0.27		0.90	0.25	0.41	0.68	0.81
	2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.51	1.45	1.36	1.21	0.94	0.64		0.90	0.20	0.68	1.13	1.35
	0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.06	0.05	0.04		0.50	0.30	0.02	0.03	0.03
	4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.23	3.15	3.05	2.87	2.56	2.23		0.50	0.25	0.68	1.13	1.35
	1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	1.07	1.05	1.02	0.96	0.86	0.75		0.50	0.20	0.21	0.35	0.42
	2.2	C1-17	S27.2	B	School	56	36	76	1.22	1.18	1.13	1.04	0.90	0.79		0.60	0.30	0.40	0.66	0.79
	6.8	C1-17																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100	Storm Event (Year)				HC			
								AMC			P ₂₄ (Inches)							Storm Event (Year)				HC
								II	I	III	AMC 1/AMCII							5.63	> 5	5	2	All
	0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15	0.20	0.20	0.01	0.02	0.02			
	0.7	C1-21	S27.2	C	School	69	50	86	0.47	0.45	0.44	0.40	0.35	0.29	0.60	0.25	0.13	0.21	0.25			
	0.1	C1-22	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07	0.20	0.25	0.01	0.01	0.01			
	2.0	C1-22	S27.2	C	Public Park	69	50	86	1.09	1.04	0.97	0.85	0.65	0.44	0.85	0.25	0.51	0.85	1.02			
	2.1	C1-22	S27.2	D	Public Park	75	57	91	1.31	1.26	1.19	1.07	0.85	0.61	0.85	0.20	0.54	0.89	1.07			
	5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.84	4.79	4.72	4.60	4.37	4.08	0.20	0.25	0.34	0.56	0.67			
	0.9	C1-22	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.79	0.78	0.76	0.72	0.67	0.20	0.20	0.05	0.09	0.11			
	3.1	C1-22	S27.2	C	School	69	50	86	2.07	2.01	1.93	1.79	1.55	1.29	0.60	0.25	0.56	0.93	1.12			
	0.3	C1-22	S27.2	D	School	75	57	91	0.22	0.21	0.20	0.19	0.17	0.14	0.60	0.20	0.05	0.09	0.11			
	1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	1.00	1.00	0.99	0.97	0.94	0.89	0.10	0.25	0.03	0.06	0.07			
	1.1	C1-23	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.95	0.90	0.10	0.20	0.03	0.06	0.07			
	3.1	C1-23	S27.2	C	Public Park	69	50	86	1.69	1.61	1.50	1.32	1.00	0.69	0.85	0.25	0.79	1.32	1.58			
	2.6	C1-23	S27.2	D	Public Park	75	57	91	1.62	1.56	1.48	1.32	1.05	0.76	0.85	0.20	0.66	1.11	1.33			
	4.8	C1-23	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.15	4.11	4.05	3.94	3.75	3.50	0.20	0.25	0.29	0.48	0.58			
	3.4	C1-23	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.00	2.97	2.93	2.86	2.72	2.54	0.20	0.20	0.20	0.34	0.41			
	3.1	C1-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.68	2.65	2.61	2.55	2.42	2.26	0.20	0.25	0.19	0.31	0.37			
	5.0	C1-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	4.41	4.37	4.32	4.21	4.00	3.73	0.20	0.20	0.30	0.50	0.60			
	0.2	C1-24	S27.2	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.04	0.90	0.25	0.05	0.09	0.11			
	1.2	C1-24	S27.2	D	Residential 2.5 acre lots	75	57	91	0.73	0.70	0.65	0.58	0.45	0.31	0.90	0.20	0.32	0.54	0.65			
	13.9	C1-24	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	9.96	9.74	9.42	8.87	7.91	6.88	0.50	0.25	2.09	3.48	4.17			
	18.6	C1-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.20	13.92	13.52	12.80	11.48	9.97	0.50	0.20	2.79	4.65	5.58			
	1.0	C1-25	S27.2	B	Commercial, Industrial	56	36	76	0.89	0.89	0.88	0.87	0.84	0.80	0.10	0.30	0.03	0.05	0.06			
	6.1	C1-25	S27.2	C	Commercial, Industrial	69	50	86	5.57	5.54	5.48	5.39	5.19	4.93	0.10	0.25	0.18	0.31	0.37			
	12.9	C1-25	S27.2	D	Commercial, Industrial	75	57	91	11.90	11.83	11.72	11.52	11.10	10.52	0.10	0.20	0.39	0.65	0.77			
	0.3	C1-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22	0.20	0.20	0.02	0.03	0.04			
	0.9	C1-25	S27.2	B	Residential 2.5 acre lots	56	36	76	0.32	0.29	0.26	0.21	0.14	0.09	0.90	0.30	0.24	0.41	0.49			
	12.8	C1-25	S27.2	C	Residential 2.5 acre lots	69	50	86	6.66	6.32	5.84	5.04	3.68	2.34	0.90	0.25	3.46	5.76	6.91			
	23.2	C1-25	S27.2	D	Residential 2.5 acre lots	75	57	91	14.02	13.45	12.64	11.23	8.68	5.94	0.90	0.20	6.26	10.44	12.53			
	0.3	C1-25	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.22	0.21	0.20	0.19	0.17	0.15	0.50	0.25	0.05	0.08	0.09			
	0.3	C1-25	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.21	0.19	0.16	0.50	0.20	0.05	0.08	0.09			
	4.8	C1-26	S27.2	C	Commercial, Industrial	69	50	86	4.38	4.36	4.31	4.24	4.08	3.88	0.10	0.25	0.14	0.24	0.29			
	4.8	C1-26	S27.2	D	Commercial, Industrial	75	57	91	4.43	4.40	4.36	4.29	4.13	3.92	0.10	0.20	0.14	0.24	0.29			
	0.1	C1-26	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02	0.85	0.25	0.03	0.04	0.05			
	6.3	C1-26	S27.2	D	Public Park	75	57	91	3.93	3.79	3.58	3.21	2.55	1.83	0.85	0.20	1.61	2.68	3.21			
	5.0	C1-26	S27.2	B	Residential 10+ dwellings/acre	56	36	76	4.14	4.09	4.03	3.93	3.75	3.55	0.20	0.30	0.30	0.50	0.60			
	43.3	C1-26	S27.2	C	Residential 10+ dwellings/acre	69	50	86	37.42	37.05	36.52	35.58	33.79	31.58	0.20	0.25	2.60	4.33	5.20			
	38.7	C1-26	S27.2	D	Residential 10+ dwellings/acre	75	57	91	34.17	33.86	33.40	32.58	30.95	28.86	0.20	0.20	2.32	3.87	4.64			
	2.3	C1-26	S27.2	C	Residential 2.5 acre lots	69	50	86	1.20	1.14	1.05	0.91	0.66	0.42	0.90	0.25	0.62	1.04	1.24			
	3.6	C1-26	S27.2	D	Residential 2.5 acre lots	75	57	91	2.18	2.09	1.96	1.74	1.35	0.92	0.90	0.20	0.97	1.62	1.94			
	0.5	C1-27	S27.2	A	Apartments	32	17	52	0.39	0.39	0.38	0.38	0.37	0.35	0.20	0.40	0.03	0.05	0.06			
	14.8	C1-27	S27.2	B	Apartments	56	36	76	12.24	12.11	11.94	11.64	11.11	10.51	0.20	0.30	0.89	1.48	1.78			
	1.9	C1-27	S27.2	C	Apartments	69	50	86	1.64	1.63	1.60	1.56	1.48	1.39	0.20	0.25	0.11	0.19	0.23			
	9.9	C1-27	S27.2	D	Apartments	75	57	91	8.74	8.66	8.54	8.33	7.92	7.38	0.20	0.20	0.59	0.99	1.19			
	1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.56	1.56	1.55	1.53	1.49	1.43	0.10	0.40	0.05	0.09	0.11			
	8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.52	7.47	7.39	7.27	7.02	6.70	0.10	0.30	0.25	0.42	0.50			
	7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.94	6.90	6.83	6.71	6.47	6.14	0.10	0.25	0.23	0.38	0.46			
	14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.92	12.84	12.72	12.50	12.05	11.42	0.10	0.20	0.42	0.70	0.84			
	1.4	C1-27	S27.2	C	Public Park	69	50	86	0.76	0.73	0.68	0.59	0.45	0.31	0.85	0.25	0.36	0.60	0.71			
	0.3	C1-27	S27.2	D	Public Park	75	57	91	0.19	0.18	0.17	0.15	0.12	0.09	0.85	0.20	0.08	0.13	0.15			
	0.2	C1-27	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.16	0.15	0.15	0.15	0.15	0.14	0.20	0.40	0.01	0.02	0.02			
	0.3	C1-27	S27.2	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.25	0.24	0.24	0.23	0.21	0.20	0.30	0.02	0.03	0.04			
	12.2	C1-27	S27.2	C	Residential 10+ dwellings/acre	69	50	86	10.54	10.44	10.29	10.03	9.52	8.90	0.20	0.25	0.73	1.22	1.46			
	17.6	C1-27	S27.2	D	Residential 10+ dwellings/acre	75	57	91	15.54	15.40	15.19	14.81	14.08	13.12	0.20	0.20	1.06	1.76	2.11			
	0.3	C1-27	S27.2	B	Residential 2.5 acre lots	56	36	76	0.11	0.10	0.09	0.07	0.05	0.03	0.90	0.30	0.08	0.14	0.16			
	0.9	C1-27	S27.2	C	Residential 2.5 acre lots	69	50	86	0.47	0.44	0.41	0.35	0.26	0.16	0.90	0.25	0.24	0.41	0.49			
	9.3	C1-27	S27.2	D	Residential 2.5 acre lots	75	57	91	5.62	5.39	5.07	4.50	3.48	2.38	0.90	0.20	2.51	4.19	5.02			
	0.2	C1-27	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09	0.50	0.30	0.03	0.05	0.06			
	5.3	C1-27	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.80	3.71	3.59	3.38	3.02	2.62	0.50	0.25	0.80	1.33	1.59			
	28.3	C1-27	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	21.61	21.18	20.56	19.48	17.47	15.16	0.50	0.20	4.25	7.08	8.49			
	3.8	C1-27	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	2.91	2.86	2.79	2.66	2.43	2.18	0.40	0.25	0.46	0.76	0.91			
	4.1	C1-27	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	3.29	3.24	3.17	3.03	2.78	2.48	0.40	0.20	0.49	0.82	0.98			
	0.3	C1-27	S27.2	C	School	69	50	86	0.20	0.19	0.19	0.17	0.15	0.13	0.60	0.25	0.05	0.09	0.11			
	0.3	C1-27	S27.2	D	School	75	57	91	0.22	0.21	0.20	0.19	0.17	0.14	0.60	0.20	0.05	0.09	0.11			
	11.6	C1-28	S27.2	A	Commercial, Industrial	32	17	52	10.08	10.03	9.97	9.85	9.62	9.25	0.10	0.40	0.35	0.58	0.70			
	6.7	C1-28	S27.2	B	Commercial, Industrial	56	36	76	5.99	5.96	5.90	5.80	5.60	5.35	0.10	0.30	0.20	0.34	0.40			
	12.8	C1-28	S27.2	C	Commercial, Industrial	69	50	86	11.69	11.61	11.50	11.30	10.89	10.34	0.10	0.25	0.38	0.64	0.77			
	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	0.90	0.40	0.05	0.09	0.11			
	0.2	C1-28	S27.2	B	Residential 2.5 acre lots	56	36	76	0.07	0.07	0.06	0.05	0.03	0.02	0.90	0.30	0.05	0.09	0.11			
	5.6	C1-3	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.84													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100								
						AMC			P ₂₄ (Inches)										5.63				
						II	I	III	AMC 1/AMCII														
EV											HC												
Storm Event (Year)											All												
											> 5	5	2										

	17.5	C1-30	S27.2	A	Apartments	32	17	52	13.58	13.49	13.38	13.22	12.90	12.40		0.20	0.40	1.05	1.75	2.10
	1.5	C1-30	S27.2	B	Apartments	56	36	76	1.24	1.23	1.21	1.18	1.13	1.07		0.20	0.30	0.09	0.15	0.18
	0.7	C1-30	S27.2	C	Apartments	69	50	86	0.60	0.60	0.59	0.58	0.55	0.51		0.20	0.25	0.04	0.07	0.08
	0.1	C1-30	S27.2	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.06
	44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.77	38.58	38.32	37.89	36.98	35.55		0.10	0.40	1.34	2.23	2.68
	0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.63	0.62	0.62	0.61	0.59	0.56		0.10	0.30	0.02	0.04	0.04
	2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.83	1.81	1.80	1.77	1.70	1.62		0.10	0.25	0.06	0.10	0.12
	4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.78	3.76	3.72	3.66	3.53	3.34		0.10	0.20	0.12	0.21	0.25
	0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06
	2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.65	2.63	2.61	2.56	2.47	2.34		0.10	0.25	0.09	0.15	0.17
	4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.15	4.13	4.09	4.02	3.87	3.67		0.10	0.20	0.14	0.23	0.27
	5.7	C1-4	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.93	4.88	4.81	4.68	4.45	4.16		0.20	0.25	0.34	0.57	0.68
	2.4	C1-4	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.12	2.10	2.07	2.02	1.92	1.79		0.20	0.20	0.14	0.24	0.29
	0.5	C1-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.38	0.38	0.37	0.35	0.32	0.29		0.40	0.25	0.06	0.10	0.12
	5.7	C1-4	S27.2	C	School	69	50	86	3.81	3.70	3.55	3.29	2.84	2.38		0.60	0.25	1.03	1.71	2.05
	6.7	C1-4	S27.2	D	School	75	57	91	4.85	4.73	4.56	4.27	3.73	3.12		0.60	0.20	1.21	2.01	2.41
	0.1	C1-4	S27.2	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05
	1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.91	0.91	0.90	0.88	0.85	0.81		0.10	0.25	0.03	0.05	0.06
	0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.83	0.83	0.82	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05
	0.6	C1-5	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.51	0.49	0.47	0.44		0.20	0.25	0.04	0.06	0.07
	0.1	C1-5	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01
	0.1	C1-5	S27.2	C	School	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04
	0.5	C1-5	S27.2	D	School	75	57	91	0.36	0.35	0.34	0.32	0.28	0.23		0.60	0.20	0.09	0.15	0.18
	1.7	C1-6	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.53	1.50	1.45	1.37		0.10	0.25	0.05	0.09	0.10
	4.4	C1-6	S27.2	D	Commercial, Industrial	75	57	91	4.06	4.03	4.00	3.93	3.79	3.59		0.10	0.20	0.13	0.22	0.26
	0.6	C1-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.51	0.49	0.47	0.44		0.20	0.25	0.04	0.06	0.07
	1.3	C1-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.15	1.14	1.12	1.09	1.04	0.97		0.20	0.20	0.08	0.13	0.16
	2.8	C1-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.87	1.82	1.74	1.62	1.40	1.17		0.60	0.25	0.50	0.84	1.01
	7.1	C1-6	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	5.14	5.01	4.84	4.52	3.95	3.31		0.60	0.20	1.28	2.13	2.56
	3.3	C1-7	S27.2	C	Commercial, Industrial	69	50	86	3.01	2.99	2.97	2.91	2.81	2.66		0.10	0.25	0.10	0.17	0.20
	0.4	C1-7	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.33		0.10	0.20	0.01	0.02	0.02
	0.1	C1-7	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05
	0.2	C1-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.14	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06
	1.2	C2-1	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.92	0.90	0.88	0.84	0.77	0.69		0.40	0.25	0.14	0.24	0.29
	0.5	C2-10	S27.2	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.19	0.13		0.90	0.20	0.14	0.23	0.27
	0.2	C2-10	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.14	0.13	0.11	0.09		0.60	0.20	0.04	0.06	0.07
	0.9	C2-11	S27.2	C	Residential 2.5 acre lots	69	50	86	0.47	0.44	0.41	0.35	0.26	0.16		0.90	0.25	0.24	0.41	0.49
	0.3	C2-11	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.15	0.11	0.08		0.90	0.20	0.08	0.14	0.16
	0.1	C2-11	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05		0.60	0.20	0.02	0.03	0.04
	0.1	C2-11	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03
	0.3	C2-11	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.21	0.19	0.16		0.50	0.20	0.05	0.08	0.09
	2.0	C2-12	S27.2	C	Residential 2.5 acre lots	69	50	86	1.04	0.99	0.91	0.79	0.57	0.37		0.90	0.25	0.54	0.90	1.08
	0.4	C2-12	S27.2	D	Residential 2.5 acre lots	75	57	91	0.24	0.23	0.22	0.19	0.15	0.10		0.90	0.20	0.11	0.18	0.22
	0.4	C2-12	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.29	0.28	0.27	0.26	0.23	0.20		0.50	0.25	0.06	0.10	0.12
	0.3	C2-12	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.21	0.19	0.16		0.50	0.20	0.05	0.08	0.09
	0.1	C2-13	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01
	1.5	C2-13	S27.2	C	Commercial, Industrial	69	50	86	1.37	1.36	1.35	1.32	1.28	1.21		0.10	0.25	0.05	0.08	0.09
	0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01
	2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.46	1.38	1.28	1.10	0.80	0.51		0.90	0.25	0.76	1.26	1.51
	1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.60	0.58	0.54	0.48	0.37	0.26		0.90	0.20	0.27	0.45	0.54
	0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.14	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06
	0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.82	0.82	0.81	0.79	0.77	0.73		0.10	0.25	0.03	0.05	0.05
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.55	0.55	0.55	0.54	0.52	0.49		0.10	0.20	0.02	0.03	0.04
	6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.52	4.41	4.27	4.02	3.59	3.12		0.50	0.25	0.95	1.58	1.89
	3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.83	2.77	2.69	2.55	2.28	1.98		0.50	0.20	0.56	0.93	1.11
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.38	1.37	1.35	1.31	1.25	1.17		0.20	0.25	0.10	0.16	0.19
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.62	9.54	9.41	9.18	8.72	8.13		0.20	0.20	0.65	1.09	1.31
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.19	1.18	1.17	1.15	1.11	1.05		0.10	0.25	0.04	0.07	0.08
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.12	1.06		0.10	0.20	0.04	0.07	0.08
	1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.95	0.94	0.93	0.90	0.86	0.80		0.20	0.25	0.07	0.11	0.13
	7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	6.18	6.12	6.04	5.89	5.60	5.22		0.20	0.20	0.42	0.70	0.84
	0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.29	0.28	0.27	0.25	0.22	0.19		0.60	0.20	0.07	0.12	0.14
	4.9	C2-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.51	3.43	3.32	3.13	2.79	2.43		0.50	0.25	0.74	1.23	1.47
	9.3	C2-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	7.10	6.96	6.76	6.40	5.74	4.98		0.50	0.20	1.40	2.33	2.79
	0.3	C2-15	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.23	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07
	0.1	C2-15	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02
	3.3	C2-2	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	2.20	2.14	2.05	1.91	1.65	1.38		0.60	0.25	0.59	0.99	1.19
	4.4	C2-2	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.32	3.31	3.22	3.08	2.81							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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								
								EV							100									
								100	50	25	10	5	2	100										
								AMC			P ₂₄ (Inches)									5.63				
								II	I	III														
	0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.14	0.13	0.11	0.09		0.60	0.20	0.04	0.06	0.07				
	1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.79	0.75	0.71	0.63	0.49	0.33		0.90	0.20	0.35	0.59	0.70				
	0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.36	0.35	0.34	0.32	0.28	0.23		0.60	0.20	0.09	0.15	0.18				
	0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.28	0.26	0.23	0.19	0.12	0.08		0.90	0.30	0.22	0.36	0.43				
	1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.62	0.59	0.55	0.47	0.34	0.22		0.90	0.25	0.32	0.54	0.65				
	0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.12	0.12	0.11	0.10	0.07	0.05		0.90	0.20	0.05	0.09	0.11				
	0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.22	0.21	0.20	0.19	0.16	0.14		0.60	0.30	0.07	0.12	0.14				
	1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.14	1.10	1.06	0.98	0.85	0.71		0.60	0.25	0.31	0.51	0.61				
	0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05		0.60	0.20	0.02	0.03	0.04				
	0.8	C2-23	S27.2	C	Apartments	69	50	86	0.69	0.68	0.67	0.66	0.62	0.58		0.20	0.25	0.05	0.08	0.10				
	0.4	C2-23	S27.2	D	Apartments	75	57	91	0.35	0.35	0.35	0.34	0.32	0.30		0.20	0.20	0.02	0.04	0.05				
	0.9	C2-23	S27.2	B	Public Park	56	36	76	0.35	0.33	0.30	0.25	0.18	0.13		0.85	0.30	0.23	0.38	0.46				
	0.4	C2-23	S27.2	C	Public Park	69	50	86	0.22	0.21	0.19	0.17	0.13	0.09		0.85	0.25	0.10	0.17	0.20				
	0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.04	0.03	0.03	0.02	0.02	0.01		0.90	0.30	0.03	0.05	0.05				
	0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.36	0.35	0.32	0.28	0.20	0.13		0.90	0.25	0.19	0.32	0.38				
	3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.84	1.77	1.69	1.56	1.35	1.19		0.60	0.30	0.59	0.99	1.19				
	2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.40	1.36	1.31	1.21	1.05	0.88		0.60	0.25	0.38	0.63	0.76				
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.20	3.17	3.12	3.04	2.89	2.70		0.20	0.25	0.22	0.37	0.44				
	6.8	C2-24	S27.2	D	Apartments	75	57	91	6.00	5.95	5.87	5.72	5.44	5.07		0.20	0.20	0.41	0.68	0.82				
	0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.60	0.59	0.58	0.55	0.51		0.20	0.25	0.04	0.07	0.08				
	2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.30	2.27	2.24	2.19	2.08	1.94		0.20	0.20	0.16	0.26	0.31				
	2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.47	1.43	1.37	1.27	1.10	0.92		0.60	0.25	0.40	0.66	0.79				
	9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	7.17	6.99	6.74	6.31	5.51	4.61		0.60	0.20	1.78	2.97	3.56				
	1.3	C2-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.99	0.97	0.94	0.89	0.80	0.70		0.50	0.20	0.20	0.33	0.39				
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.53	1.50	1.45	1.37		0.10	0.25	0.05	0.09	0.10				
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.68	2.66	2.63	2.59	2.50	2.37		0.10	0.20	0.09	0.15	0.17				
	3.6	C2-25	S27.2	D	Public Park	75	57	91	2.25	2.16	2.04	1.83	1.46	1.05		0.85	0.20	0.92	1.53	1.84				
	4.5	C2-25	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.89	3.85	3.80	3.70	3.51	3.28		0.20	0.25	0.27	0.45	0.54				
	4.5	C2-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.97	3.94	3.88	3.79	3.60	3.36		0.20	0.20	0.27	0.45	0.54				
	0.1	C2-25	S27.2	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.03		0.90	0.20	0.03	0.05	0.05				
	0.8	C2-25	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.61	0.60	0.59	0.56	0.51	0.46		0.40	0.25	0.10	0.16	0.19				
	0.2	C2-25	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.14	0.12		0.40	0.20	0.02	0.04	0.05				
	0.7	C2-26	S27.2	A	Public Park	32	17	52	0.12	0.11	0.10	0.10	0.10	0.09		0.85	0.40	0.18	0.30	0.36				
	8.9	C2-26	S27.2	B	Public Park	56	36	76	3.44	3.22	2.92	2.45	1.75	1.26		0.85	0.30	2.27	3.78	4.54				
	1.2	C2-26	S27.2	C	Public Park	69	50	86	0.65	0.62	0.58	0.51	0.39	0.27		0.85	0.25	0.31	0.51	0.61				
	3.7	C2-26	S27.2	D	Public Park	75	57	91	2.31	2.22	2.10	1.89	1.50	1.08		0.85	0.20	0.94	1.57	1.89				
	7.4	C2-27	S27.2	A	Apartments	32	17	52	5.74	5.71	5.66	5.59	5.45	5.24		0.20	0.40	0.44	0.74	0.89				
	15.0	C2-27	S27.2	B	Apartments	56	36	76	12.41	12.28	12.10	11.80	11.26	10.66		0.20	0.30	0.90	1.50	1.80				
	5.8	C2-27	S27.2	C	Apartments	69	50	86	5.01	4.96	4.89	4.77	4.53	4.23		0.20	0.25	0.35	0.58	0.70				
	2.5	C2-27	S27.2	D	Apartments	75	57	91	2.21	2.19	2.16	2.10	2.00	1.86		0.20	0.20	0.15	0.25	0.30				
	9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.91	7.87	7.82	7.73	7.55	7.25		0.10	0.40	0.27	0.46	0.55				
	1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.34	1.33	1.32	1.30	1.25	1.20		0.10	0.30	0.05	0.08	0.09				
	0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.46	0.45	0.45	0.44	0.43	0.40		0.10	0.25	0.02	0.03	0.03				
	0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.33		0.10	0.20	0.01	0.02	0.02				
	0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	2.0	C2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	1.04	0.99	0.91	0.79	0.57	0.37		0.90	0.25	0.54	0.90	1.08				
	8.8	C2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	5.88	5.71	5.48	5.08	4.39	3.67		0.60	0.25	1.58	2.64	3.17				
	0.1	C2-3	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02				
	4.9	C2-3	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.75	3.69	3.59	3.43	3.13	2.81		0.40	0.25	0.59	0.98	1.18				
	0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.25	0.00	0.01	0.01				
	0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01				
	0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	4.9	C2-4	S27.2	C	Residential 2.5 acre lots	69	50	86	2.55	2.42	2.24	1.93	1.41	0.90		0.90	0.25	1.32	2.21	2.65				
	1.5	C2-4	S27.2	D	Residential 2.5 acre lots	75	57	91	0.91	0.87	0.82	0.73	0.56	0.38		0.90	0.20	0.41	0.68	0.81				
	1.0	C2-4	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.67	0.65	0.62	0.58	0.50	0.42		0.60	0.25	0.18	0.30	0.36				
	8.8	C2-4	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.31	6.17	5.96	5.62	5.01	4.36		0.50	0.25	1.32	2.20	2.64				
	4.2	C2-4	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	3.21	3.14	3.05	2.89	2.59	2.25		0.50	0.20	0.63	1.05	1.26				
	1.1	C2-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.84	0.83	0.81	0.77	0.70	0.63		0.40	0.25	0.13	0.22	0.26				
	0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.25	0.00	0.01	0.01				
	1.8	C2-5	S27.2	C	Public Park	69	50	86	0.98	0.94	0.87	0.76	0.58	0.40		0.85	0.25	0.46	0.77	0.92				
	0.4	C2-5	S27.2	D	Public Park	75	57	91	0.25	0.24	0.23	0.20	0.16	0.12		0.85	0.20	0.10	0.17	0.20				
	1.8	C2-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.94	0.89	0.82	0.71	0.52	0.33		</								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	Storm Event (Year)							
								100	50	25	10	5	2	100								
								AMC			P ₂₄ (Inches)							5.63				
								II	I	III												

	0.9	C2-6	S27.2	D	Public Park	75	57	91	0.56	0.54	0.51	0.46	0.36	0.26		0.85	0.20	0.23	0.38	0.46	
36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	31.46	31.15	30.70	29.91	28.41	26.55		0.20	0.25	2.18	3.64	4.37		
13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	12.01	11.90	11.74	11.45	10.88	10.14		0.20	0.20	0.82	1.36	1.63		
4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	2.45	2.32	2.15	1.85	1.35	0.86		0.90	0.25	1.27	2.12	2.54		
2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.27	1.22	1.14	1.02	0.79	0.54		0.90	0.20	0.57	0.95	1.13		
0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04		
0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.22	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09		
0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03		
0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02		
9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	7.12	7.00	6.82	6.51	5.95	5.33		0.40	0.25	1.12	1.86	2.23		
0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.71	0.69	0.67	0.61	0.55		0.40	0.20	0.11	0.18	0.22		
0.3	C2-7	S27.2	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04		
0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04		
9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.31	8.26	8.18	8.03	7.74	7.35		0.10	0.25	0.27	0.46	0.55		
6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.18	6.14	6.09	5.98	5.77	5.46		0.10	0.20	0.20	0.34	0.40		
0.5	C2-7	S27.2	C	Public Park	69	50	86	0.27	0.26	0.24	0.21	0.16	0.11		0.85	0.25	0.13	0.21	0.26		
2.6	C2-7	S27.2	D	Public Park	75	57	91	1.62	1.56	1.48	1.32	1.05	0.76		0.85	0.20	0.66	1.11	1.33		
0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.47	0.46	0.46	0.45	0.44	0.43		0.20	0.40	0.04	0.06	0.07		
2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.98	1.96	1.94	1.89	1.80	1.71		0.20	0.30	0.14	0.24	0.29		
10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	9.16	9.07	8.94	8.71	8.27	7.73		0.20	0.25	0.64	1.06	1.27		
0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.52	0.51	0.48	0.45		0.20	0.20	0.04	0.06	0.07		
1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.99	0.94	0.87	0.75	0.55	0.35		0.90	0.25	0.51	0.86	1.03		
0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.42	0.41	0.38	0.34	0.26	0.18		0.90	0.20	0.19	0.32	0.38		
14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	9.55	9.28	8.90	8.26	7.13	5.96		0.60	0.25	2.57	4.29	5.15		
15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	11.07	10.81	10.42	9.75	8.52	7.13		0.60	0.20	2.75	4.59	5.51		
0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.20	0.20	0.19	0.19	0.18	0.18		0.50	0.40	0.06	0.10	0.12		
1.5	C2-7	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.94	0.91	0.88	0.83	0.74	0.67		0.50	0.30	0.23	0.38	0.45		
5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.66	3.57	3.46	3.26	2.90	2.53		0.50	0.25	0.77	1.28	1.53		
0.9	C2-7	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.69	0.67	0.65	0.62	0.56	0.48		0.50	0.20	0.14	0.23	0.27		
3.5	C2-7	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	2.42	2.37	2.31	2.20	2.03	1.87		0.40	0.30	0.42	0.70	0.84		
8.4	C2-7	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.43	6.32	6.16	5.88	5.37	4.82		0.40	0.25	1.01	1.68	2.02		
2.8	C2-7	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	2.25	2.21	2.16	2.07	1.90	1.70		0.40	0.20	0.34	0.56	0.67		
0.6	C2-7	S27.2	B	School	56	36	76	0.33	0.32	0.31	0.28	0.25	0.22		0.60	0.30	0.11	0.18	0.22		
1.5	C2-7	S27.2	C	School	69	50	86	1.00	0.97	0.93	0.87	0.75	0.63		0.60	0.25	0.27	0.45	0.54		
3.5	C2-7	S27.2	D	School	75	57	91	2.53	2.47	2.38	2.23	1.95	1.63		0.60	0.20	0.63	1.05	1.26		
0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.63	0.62	0.62	0.61	0.59	0.56		0.10	0.30	0.02	0.04	0.04		
0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01		
0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.33		0.10	0.20	0.01	0.02	0.02		
5.7	C2-8	S27.2	B	Public Park	56	36	76	2.20	2.06	1.87	1.57	1.12	0.80		0.85	0.30	1.45	2.42	2.91		
4.5	C2-8	S27.2	C	Public Park	69	50	86	2.45	2.34	2.18	1.91	1.45	1.00		0.85	0.25	1.15	1.91	2.30		
9.4	C2-8	S27.2	D	Public Park	75	57	91	5.87	5.65	5.33	4.79	3.80	2.73		0.85	0.20	2.40	4.00	4.79		
0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.25	0.06	0.10	0.12		
1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.72	0.69	0.64	0.24	0.12	0.03		1.00	0.25	0.36	0.60	0.72		
1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	1.13	1.09	1.03	0.45	0.26	0.10		1.00	0.25	0.51	0.85	1.02		
0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.45	0.44	0.42	0.22	0.15	0.08		1.00	0.20	0.18	0.30	0.36		
1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.79	0.75	0.70	0.24	0.11	0.02		1.00	0.25	0.42	0.70	0.84		
0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.26	0.24	0.11	0.06	0.02		1.00	0.20	0.12	0.20	0.24		
8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	5.56	5.37	5.09	2.22	1.31	0.50		1.00	0.25	2.52	4.20	5.04		
9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.87	6.70	6.44	3.45	2.36	1.26		1.00	0.20	2.76	4.60	5.52		
2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.61	1.54	1.44	0.53	0.27	0.07		1.00	0.25	0.81	1.35	1.62		
0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.42	0.40	0.39	0.18	0.11	0.05		1.00	0.20	0.18	0.30	0.36		
1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.90	0.86	0.80	0.27	0.12	0.02		1.00	0.25	0.48	0.80	0.96		
1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.66	0.64	0.61	0.26	0.16	0.06		1.00	0.20	0.30	0.50	0.60		
5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.64	3.52	3.33	1.45	0.86	0.33		1.00	0.25	1.65	2.75	3.30		
6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	5.08	4.95	4.76	2.55	1.74	0.93		1.00	0.20	2.04	3.40	4.08		
1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	1.07	1.03	0.96	0.36	0.18	0.04		1.00	0.25	0.54	0.90	1.08		
2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.74	1.69	1.61	0.76	0.48	0.21		1.00	0.20	0.75	1.25	1.50		
0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.36	0.34	0.32	0.12	0.06	0.01		1.00	0.25	0.18	0.30	0.36		
0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.56	3.39	3.15	1.06	0.49	0.08		1.00	0.25	1.89	3.15	3.78		
0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12		
5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.91	3.77	3.57	1.56	0.92	0.35		1.00	0.25	1.77	2.95	3.54		
12.7	OC1-5	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	9.49	9.25	8.90	4.76	3.26	1.74		1.00	0.20	3.81	6.35	7.62		
6.8	OC1-5	S27.2	C	Open Brush, Fair	77	59	92	4.06	3.88	3.63	1.34	0.68	0.17		1.00	0.25	2.04				

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100											
						AMC			P ₂₄ (Inches)							5.63							
II	I	III						AMC 1/AMCII															

	0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.34	0.32	0.30	0.10	0.05	0.01		1.00	0.25	0.18	0.30	0.36	
	1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.30	1.30	1.29	1.27	1.24	1.20		0.10	0.40	0.05	0.08	0.09	
	0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.63	0.62	0.62	0.61	0.59	0.56		0.10	0.30	0.02	0.04	0.04	
	1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.46	1.45	1.44	1.41	1.36	1.29		0.10	0.25	0.05	0.08	0.10	
	1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.95	0.90		0.10	0.20	0.03	0.06	0.07	
	0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05	
	3.8	OC1-6	S27.2	C	Public Park	69	50	86	2.07	1.97	1.84	1.61	1.23	0.84		0.85	0.25	0.97	1.62	1.94	
	2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.56	1.50	1.42	1.27	1.01	0.73		0.85	0.20	0.64	1.06	1.28	
	0.1	OC1-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.08	0.08	0.07	0.07	0.06	0.06		0.40	0.25	0.01	0.02	0.02	
	1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.29	0.25	0.21	0.00	0.00	0.00		1.00	0.40	0.42	0.70	0.84	
	2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.76	1.69	1.59	0.64	0.35	0.11		1.00	0.25	0.84	1.40	1.68	
	0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24	
	0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.13	0.12	0.11	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18	
	3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	2.03	1.94	1.81	0.67	0.34	0.08		1.00	0.25	1.02	1.70	2.04	
	0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.56	0.54	0.51	0.24	0.15	0.07		1.00	0.20	0.24	0.40	0.48	
	2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.30	0.27	0.24	0.23	0.22	0.21		0.90	0.40	0.65	1.08	1.30	
	0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.25	0.23	0.20	0.16	0.11	0.07		0.90	0.30	0.19	0.32	0.38	
	3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.82	1.73	1.60	1.38	1.01	0.64		0.90	0.25	0.95	1.58	1.89	
	1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.66	0.64	0.60	0.53	0.41	0.28		0.90	0.20	0.30	0.50	0.59	
	0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	1.13	1.08	1.01	0.38	0.19	0.05		1.00	0.25	0.57	0.95	1.14	
	0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.25	0.03	0.05	0.06	
	1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.78	0.74	0.69	0.26	0.13	0.03		1.00	0.25	0.39	0.65	0.78	
	0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.07	0.07	0.04	0.03	0.01		1.00	0.20	0.03	0.05	0.06	
	1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	1.01	0.97	0.91	0.34	0.17	0.04		1.00	0.25	0.51	0.85	1.02	
	0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	2.21	2.11	1.97	0.73	0.37	0.09		1.00	0.25	1.11	1.85	2.22	
	1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.62	0.59	0.55	0.47	0.34	0.22		0.90	0.25	0.32	0.54	0.65	
	1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.80	0.78	0.75	0.69	0.60	0.50		0.60	0.25	0.22	0.36	0.43	
	0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	0.3		S27.3	C	Public Park	69	50	86	0.16	0.16	0.15	0.13	0.10	0.07		0.85	0.25	0.08	0.13	0.15	
	0.4		S27.3	A	Public Park	32	17	52	0.07	0.06	0.06	0.06	0.06	0.05		0.85	0.40	0.10	0.17	0.20	
	0.6		S27.3	B	Public Park	56	36	76	0.23	0.22	0.20	0.16	0.12	0.08		0.85	0.30	0.15	0.26	0.31	
	1.1		S27.3	B	Commercial, Industrial	56	36	76	0.98	0.98	0.97	0.95	0.92	0.88		0.10	0.30	0.03	0.06	0.07	
	1.2		S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.25	0.22	0.18	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72	
	4.9		S27.3	A	Open Brush, Fair	46	28	66	0.79	0.67	0.51	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94	
	5.4		S27.3	A	Woodland, Grass, Fair	44	26	64	0.75	0.62	0.46	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24	
	6.9		S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	2.64	2.43	2.15	0.27	0.01	0.00		1.00	0.30	2.07	3.45	4.14	
	9.2		S27.3	D	Woodland, Grass, Fair	82	66	95	6.25	6.04	5.74	2.62	1.59	0.66		1.00	0.20	2.76	4.60	5.52	
	9.3		S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	4.38	4.11	3.73	0.86	0.25	0.00		1.00	0.30	2.79	4.65	5.58	
	15.8		S27.3	D	Chaparral, Broadleaf, Fair	81	64	95	10.47	10.10	9.57	4.18	2.46	0.94		1.00	0.20	4.74	7.90	9.48	
	20.3		S27.3	D	Grass, Annual or Perennial, Fair	84	69	96	14.47	14.05	13.43	6.63	4.29	2.03		1.00	0.20	6.09	10.15	12.18	
	25.5		S27.3	B	Open Brush, Fair	66	46	84	10.87	10.11	9.06	1.57	0.26	0.00		1.00	0.30	7.65	12.75	15.30	
	27.2		S27.3	B	Woodland, Grass, Fair	65	45	83	11.19	10.38	9.26	1.43	0.18	0.00		1.00	0.30	8.16	13.60	16.32	
	29.1		S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	18.31	17.60	16.56	6.65	3.84	1.15		1.00	0.25	8.73	14.55	17.46	
	53.6		S27.3	D	Open Brush, Fair	83	67	96	37.31	36.14	34.45	16.36	10.27	4.57		1.00	0.20	16.08	26.80	32.16	
	66.8		S27.3	C	Woodland, Grass, Fair	77	59	92	39.86	38.13	35.66	13.20	6.69	1.66		1.00	0.25	20.40	33.40	40.08	
	90.8		S27.3	C	Open Brush, Fair	77	59	92	54.18	51.83	48.47	17.95	9.09	2.25		1.00	0.25	27.24	45.40	54.48	
	102.9		S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	58.10	55.33	51.38	17.34	7.99	1.39		1.00	0.25	30.87	51.45	61.74	
	0.7	S27.3-1	S27.3	A	Residential 5-7 dwellings/acre	32	17	52	0.35	0.34	0.34	0.33	0.32	0.31		0.50	0.40	0.11	0.18	0.21	
	0.9	S27.3-1	S27.3	B	Public Park	56	36	76	0.35	0.33	0.30	0.25	0.18	0.13		0.85	0.30	0.23	0.38	0.46	
	3.4	S27.3-1	S27.3	A	Commercial, Industrial	32	17	52	2.96	2.94	2.92	2.89	2.82	2.71		0.10	0.40	0.10	0.17	0.20	
	3.6	S27.3-1	S27.3	A	Woodland, Grass, Fair	44	26	64	0.50	0.41	0.31	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16	
	10.1	S27.3-1	S27.3	A	Public Park	32	17	52	1.72	1.61	1.51	1.43	1.40	1.34		0.85	0.40	2.58	4.29	5.15	
	17.4	S27.3-1	S27.3	A	Open Brush, Fair	46	28	66	2.80	2.37	1.82	0.00	0.00	0.00		1.00	0.40	5.22	8.70	10.44	
	0.2	S27.3-3	S27.3	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.10	0.07		1.00	0.20	0.06	0.10	0.12	
	0.2	S27.3-3	S27.3	A	Barren	78	61	93	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.40	0.06	0.10	0.12	
	0.2	S27.3-3	S27.3	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.04	0.02		1.00	0.20	0.06	0.10	0.12	
	0.3	S27.3-3	S27.3	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18	
	0.3	S27.3-3	S27.3	D	Commercial, Industrial	75	57	91	0.28	0.28	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02	
	0.5	S27.3-3	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.11	0.10	0.08	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30	
	0.5	S27.3-3	S27.3	A	Public Park	32	17	52	0.08	0.08	0.07	0.07	0.07	0.07		0.85	0.40	0.13	0.21	0.26	
	0.7	S27.3-3	S27.3	D	Woodland, Grass, Fair	82	66	95	0.48	0.46	0.44	0.20	0.12	0.05		1.00	0.20	0.21	0.35	0.42	
	1.5	S27.3-3	S27.3	C	Open Brush, Fair	77	59	92	0.90	0.86	0.80	0.30	0.15	0.04		1.00	0.25	0.45	0.75	0.90	
	1.4	S27.3-3	S27.3	A	Commercial, Industrial	32	17	52	1.22	1.21	1.20	1.19	1.16	1.12		0.10	0.40	0.04	0.07	0.08	
	2.3	S27.3-3	S27.3	C	Commercial, Industrial	69	50	86	2.10	2.09	2.07	2.03	1.96	1.86		0.10	0.25	0.			

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PA-3&4 (Ultimate Conditions)																																											
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)																																											
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)																								
							EV					HC																															
							100					50							25					10					5					2					100				
							AMC					P ₂₄ (Inches)										5.63																					
							II					I							III								AMC 1/AMCII																
	11.4	S27.3-3	S27.3	A	Woodland, Grass, Fair	44	26	64	1.58	1.31	0.98	0.00	0.00	0.00		1.00	0.40	3.42	5.70	6.84																							
	11.8	S27.3-3	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	6.66	6.34	5.89	1.99	0.92	0.16		1.00	0.25	3.54	5.90	7.08																							
	27.7	S27.3-3	S27.3	A	Open Brush, Fair	46	28	66	4.45	3.77	2.90	0.00	0.00	0.00		1.00	0.40	8.31	13.85	16.62																							
	0.1	S27.3-4	S27.3	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05																							
	0.1	S27.3-4	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06																							
	0.2	S27.3-4	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.13	0.12	0.11	0.05	0.03	0.01		1.00	0.25	0.06	0.10	0.12																							
	0.3	S27.3-4	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	0.14	0.13	0.12	0.03	0.01	0.00		1.00	0.30	0.09	0.15	0.18																							
	0.3	S27.3-4	S27.3	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18																							
	0.4	S27.3-4	S27.3	A	Commercial, Industrial	32	17	52	0.35	0.35	0.34	0.34	0.33	0.32		0.10	0.40	0.01	0.02	0.02																							
	0.5	S27.3-4	S27.3	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40		0.10	0.30	0.02	0.03	0.03																							
	0.6	S27.3-4	S27.3	B	Woodland, Grass, Fair	65	45	83	0.25	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36																							
	0.6	S27.3-4	S27.3	A	Barren	78	61	93	0.37	0.35	0.33	0.13	0.07	0.02		1.00	0.40	0.18	0.30	0.36																							
	0.6	S27.3-4	S27.3	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04																							
	0.9	S27.3-4	S27.3	B	Open Brush, Fair	66	46	84	0.38	0.36	0.32	0.06	0.01	0.00		1.00	0.30	0.27	0.45	0.54																							
	1.0	S27.3-4	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.56	0.54	0.50	0.17	0.08	0.01		1.00	0.25	0.30	0.50	0.60																							
	1.3	S27.3-4	S27.3	C	Woodland, Grass, Fair	77	59	92	0.78	0.74	0.69	0.26	0.13	0.03		1.00	0.25	0.39	0.65	0.78																							
	3.2	S27.3-4	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.71	0.62	0.50	0.00	0.00	0.00		1.00	0.40	0.96	1.60	1.92																							
	3.7	S27.3-4	S27.3	A	Woodland, Grass, Fair	44	26	64	0.51	0.43	0.32	0.00	0.00	0.00		1.00	0.40	1.11	1.85	2.22																							
	12.0	S27.3-4	S27.3	A	Open Brush, Fair	46	28	66	1.93	1.63	1.26	0.00	0.00	0.00		1.00	0.40	3.60	6.00	7.20																							
	0.1	S27.3-5	S27.3	A	Row Crops, Poor	72	53	89	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.40	0.03	0.05	0.06																							
	0.5	S27.3-5	S27.3	A	Public Park	32	17	52	0.08	0.08	0.07	0.07	0.07	0.07		0.85	0.40	0.13	0.21	0.26																							
	0.5	S27.3-5	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.30	0.28	0.11	0.06	0.02		1.00	0.25	0.15	0.25	0.30																							
	0.8	S27.3-5	S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	0.31	0.28	0.25	0.03	0.00	0.00		1.00	0.30	0.24	0.40	0.48																							
	1.2	S27.3-5	S27.3	A	Woodland, Grass, Fair	44	26	64	0.17	0.14	0.10	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72																							
	1.5	S27.3-5	S27.3	B	Commercial, Industrial	56	36	76	1.34	1.33	1.32	1.30	1.25	1.20		0.10	0.30	0.05	0.08	0.09																							
	2.5	S27.3-5	S27.3	A	Commercial, Industrial	32	17	52	2.17	2.16	2.15	2.12	2.07	1.99		0.10	0.40	0.08	0.13	0.15																							
	2.6	S27.3-5	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.22	1.15	1.04	0.24	0.07	0.00		1.00	0.30	0.78	1.30	1.56																							
	2.8	S27.3-5	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.58	0.51	0.41	0.00	0.00	0.00		1.00	0.40	0.84	1.40	1.68																							
	5.4	S27.3-5	S27.3	A	Open Brush, Fair	46	28	66	0.87	0.74	0.57	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24																							
	6.2	S27.3-5	S27.3	B	Woodland, Grass, Fair	65	45	83	2.55	2.37	2.11	0.33	0.04	0.00		1.00	0.30	1.86	3.10	3.72																							
	6.5	S27.3-5	S27.3	C	Woodland, Grass, Fair	77	59	92	3.88	3.71	3.47	1.28	0.65	0.16		1.00	0.25	1.95	3.25	3.90																							
	6.7	S27.3-5	S27.3	B	Open Brush, Fair	66	46	84	2.86	2.66	2.38	0.41	0.07	0.00		1.00	0.30	2.01	3.35	4.02																							
	12.0	S27.3-5	S27.3	C	Open Brush, Fair	77	59	92	7.16	6.85	6.41	2.37	1.20	0.30		1.00	0.25	3.60	6.00	7.20																							
	20.3	S27.3-5	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	11.46	10.91	10.14	3.42	1.58	0.27		1.00	0.25	6.09	10.15	12.18																							
	0.3	S27.3-6	S27.3	A	Row Crops, Poor	72	53	89	0.16	0.15	0.13	0.04	0.01	0.00		1.00	0.40	0.09	0.15	0.18																							
	0.4	S27.3-6	S27.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.14	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24																							
	0.4	S27.3-6	S27.3	B	Commercial, Industrial	56	36	76	0.36	0.36	0.35	0.35	0.33	0.32		0.10	0.30	0.01	0.02	0.02																							
	0.6	S27.3-6	S27.3	A	Commercial, Industrial	32	17	52	0.52	0.52	0.52	0.51	0.50	0.48		0.10	0.40	0.02	0.03	0.04																							
	1.5	S27.3-6	S27.3	A	Open Brush, Fair	46	28	66	0.25	0.21	0.16	0.00	0.00	0.00		1.00	0.40	0.46	0.77	0.92																							
	3.2	S27.3-6	S27.3	A	Public Park	32	17	52	0.55	0.52	0.48	0.46	0.45	0.43		0.85	0.40	0.83	1.38	1.65																							
	3.9	S27.3-6	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.86	1.74	1.58	0.36	0.10	0.00		1.00	0.30	1.18	1.97	2.36																							
	8.7	S27.3-6	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	1.82	1.59	1.28	0.00	0.00	0.00		1.00	0.40	2.62	4.37	5.24																							
	10.3	S27.3-6	S27.3	A	Woodland, Grass, Fair	44	26	64	1.43	1.19	0.89	0.00	0.00	0.00		1.00	0.40	3.10	5.17	6.20																							
12800	2.30	P501XX	S28.1	B	Barren	86	72	97	1.72	1.68	1.61	0.86	0.59	0.31		1.00	0.30	0.69	1.15	1.38																							
12800	0.20	P501XX	S28.1	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12																							
12800	0.07	P501XX	S28.1	D	Barren	93	83	99	0.06	0.06	0.06	0.04	0.03	0.02		1.00	0.20	0.02	0.03	0.04																							
12800	10.20	P501XX	S28.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.76	5.48	5.09	1.72	0.79	0.14		1.00	0.25	3.06	5.10	6.12																							
12800	0.35	P501XX	S28.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.21	0.09	0.05	0.02		1.00	0.20	0.11	0.18	0.21																							
12800	0.10	P501XX	S28.1	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.08	0.08	0.08		0.10	0.30	0.00	0.00	0.01																							
12800	0.40	P501XX	S28.1	C	Commercial, Industrial	69	50	86	0.37	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02																							
12800	0.45	P501XX	S28.1	D	Commercial, Industrial	75	57	91	0.41	0.41	0.40	0.40	0.38	0.36		0.10	0.20	0.01	0.02	0.03																							
12800	24.28	P501XX	S28.1	B	Grass, Annual or Perennial, Fair	69	50	86	11.44	10.73	9.74	2.25	0.64	0.00		1.00	0.30	7.28	12.14	14.57																							
12800	9.91	P501XX	S28.1	C	Grass, Annual or Perennial, Fair	79	62	93	6.24	5.99	5.64	2.27	1.24	0.39		1.00	0.25	2.97	4.96	5.95																							
12800	6.57	P501XX	S28.1	D	Grass, Annual or Perennial, Fair	84	69	96	4.68	4.54	4.34	2.14	1.39	0.66		1.00	0.20	1.97	3.28	3.94																							
12800	0.10	P501XX	S28.1	A	Open Brush, Fair	48	28	66	0.02	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06																							
12800	16.79	P501XX	S28.1	B	Open Brush, Fair	66	46	84	7.15	6.66	5.97	1.04	0.17	0.00		1.00	0.30	5.04	8.39	10.07																							
12800	67.20	P501XX	S28.1	C	Open Brush, Fair	77	59	92	40.10	38.36	35.87	13.28	6.73	1.67		1.00	0.25	20.16	33.60	40.32																							
12800	3.80	P501XX	S28.1	D	Open Brush, Fair	83	67	96	2.64	2.56	2.44	1.16	0.73	0.32		1.00	0.20	1.14	1.90	2.28																							
12800	0.98	P501XX	S28.1	D	Public Park	75	57	91	0.61	0.59	0.56	0.50	0.40	0.29		0.85	0.20	0.25	0.4																								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100								
								AMC			P ₂₄ (Inches)							5.63				
								II	I	III				AMC 1/AMCII								

12901	39.55	P503XX	S29.2-2	C	Open Brush, Fair	77	59	92	23.60	22.58	21.11	7.82	3.96	0.98		1.00	0.25	11.87	19.78	23.73			
12901	19.10	P503XX	S29.2-2	D	Open Brush, Fair	83	67	96	13.29	12.88	12.28	5.83	3.66	1.63		1.00	0.20	5.73	9.55	11.46			
12901	18.40	P503XX	S29.2-2	D	Public Park	75	57	91	11.49	11.06	10.44	9.38	7.45	5.35		0.85	0.20	4.69	7.82	9.38			
12901	5.30	P503XX	S29.2-2	B	Woodland, Grass, Fair	65	45	83	2.18	2.02	1.81	0.28	0.03	0.00		1.00	0.30	1.59	2.65	3.18			
12901	34.70	P503XX	S29.2-2	C	Woodland, Grass, Fair	77	59	92	20.71	19.81	18.52	6.86	3.47	0.86		1.00	0.25	10.41	17.35	20.82			
12901	1.30	P503XX	S29.2-2	D	Woodland, Grass, Fair	82	66	95	0.88	0.85	0.81	0.37	0.23	0.09		1.00	0.20	0.39	0.65	0.78			
PA5 Line XX	6.20		S29.1	C	Chaparral, Broadleaf, Fair	75	57	91	3.50	3.33	3.10	1.04	0.48	0.08		1.00	0.25	1.86	3.10	3.72			
PA5 Line XX	0.40		S29.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.26	0.24	0.11	0.06	0.02		1.00	0.20	0.12	0.20	0.24			
PA5 Line XX	0.30		S29.1	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		0.10	0.40	0.01	0.02	0.02			
PA5 Line XX	5.30		S29.1	B	Commercial, Industrial	56	36	76	4.74	4.71	4.67	4.59	4.43	4.23		0.10	0.30	0.16	0.27	0.32			
PA5 Line XX	23.30		S29.1	C	Commercial, Industrial	69	50	86	21.28	21.14	20.94	20.57	19.82	18.81		0.10	0.25	0.70	1.17	1.40			
PA5 Line XX	2.60		S29.1	D	Commercial, Industrial	75	57	91	2.40	2.38	2.36	2.32	2.24	2.12		0.10	0.20	0.08	0.13	0.16			
PA5 Line XX	8.20		S29.1	B	Grass, Annual or Perennial, Fair	69	50	86	3.86	3.62	3.29	0.76	0.22	0.00		1.00	0.30	2.46	4.10	4.92			
PA5 Line XX	37.40		S29.1	C	Grass, Annual or Perennial, Fair	79	62	93	23.54	22.62	21.29	8.55	4.68	1.48		1.00	0.25	11.22	18.70	22.44			
PA5 Line XX	21.60		S29.1	D	Grass, Annual or Perennial, Fair	84	69	96	15.40	14.95	14.29	7.06	4.56	2.17		1.00	0.20	6.48	10.80	12.96			
PA5 Line XX	0.20		S29.1	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
PA5 Line XX	32.30		S29.1	C	Open Brush, Fair	77	59	92	19.27	18.44	17.24	6.38	3.23	0.80		1.00	0.25	9.69	16.15	19.38			
PA5 Line XX	1.60		S29.1	D	Open Brush, Fair	83	67	96	1.11	1.08	1.03	0.49	0.31	0.14		1.00	0.20	0.48	0.80	0.96			
PA5 Line XX	21.60		S29.1	A	Public Park	32	17	52	3.67	3.45	3.22	3.06	2.98	2.87		0.85	0.40	5.51	9.18	11.02			
PA5 Line XX	32.10		S29.1	B	Public Park	56	36	76	12.41	11.61	10.53	8.83	6.32	4.53		0.85	0.30	8.19	13.64	16.37			
PA5 Line XX	136.90		S29.1	C	Public Park	69	50	86	74.59	71.14	66.30	58.13	44.16	30.37		0.85	0.25	34.91	58.18	69.82			
PA5 Line XX	9.40		S29.1	D	Public Park	75	57	91	5.87	5.65	5.33	4.79	3.80	2.73		0.85	0.20	2.40	4.00	4.79			
PA5 Line XX	268.30		S29.1	C	Residential 1 acre lots	69	50	86	152.77	146.35	137.34	122.12	96.00	70.00		0.80	0.25	64.39	107.32	128.78			
PA5 Line XX	67.40		S29.1	D	Residential 1 acre lots	75	57	91	43.42	41.92	39.78	36.07	29.32	21.97		0.80	0.20	16.18	26.96	32.35			
PA5 Line XX	1.30		S29.1	B	Residential 2 dwellings/acre	56	36	76	0.63	0.61	0.57	0.51	0.42	0.35		0.70	0.30	0.27	0.46	0.55			
PA5 Line XX	77.00		S29.1	C	Residential 2 dwellings/acre	69	50	86	47.63	45.98	43.67	39.75	32.97	26.10		0.70	0.25	16.17	26.95	32.34			
PA5 Line XX	28.80		S29.1	D	Residential 2 dwellings/acre	75	57	91	19.70	19.13	18.31	16.88	14.28	11.40		0.70	0.20	6.05	10.08	12.10			
PA5 Line XX	20.00		S29.1	B	Residential 3-4 dwellings/acre	56	36	76	11.12	10.75	10.24	9.43	8.20	7.20		0.60	0.30	3.60	6.00	7.20			
PA5 Line XX	159.90		S29.1	C	Residential 3-4 dwellings/acre	69	50	86	106.76	103.76	99.52	92.32	79.74	66.69		0.60	0.25	28.78	47.97	57.56			
PA5 Line XX	13.90		S29.1	D	Residential 3-4 dwellings/acre	75	57	91	10.06	9.82	9.47	8.86	7.74	6.47		0.60	0.20	2.50	4.17	5.00			
PA5 Line XX	8.30		S29.1	B	Residential 5-7 dwellings/acre	56	36	76	5.18	5.04	4.86	4.57	4.11	3.72		0.50	0.30	1.25	2.08	2.49			
PA5 Line XX	37.00		S29.1	C	Residential 5-7 dwellings/acre	69	50	86	26.52	25.92	25.07	23.62	21.06	18.32		0.50	0.25	5.55	9.25	11.10			
PA5 Line XX	4.20		S29.1	D	Residential 5-7 dwellings/acre	75	57	91	3.21	3.14	3.05	2.89	2.59	2.25		0.50	0.20	0.63	1.05	1.26			
PA5 Line XX	1.30		S29.1	A	Residential 8-10 dwellings/acre	32	17	52	0.77	0.76	0.75	0.74	0.72	0.69		0.40	0.40	0.16	0.26	0.31			
PA5 Line XX	11.30		S29.1	B	Residential 8-10 dwellings/acre	56	36	76	7.81	7.66	7.45	7.11	6.56	6.05		0.40	0.30	1.36	2.26	2.71			
PA5 Line XX	54.80		S29.1	C	Residential 8-10 dwellings/acre	69	50	86	41.97	41.23	40.16	38.34	35.05	31.41		0.40	0.25	6.58	10.96	13.15			
PA5 Line XX	15.40		S29.1	D	Residential 8-10 dwellings/acre	75	57	91	12.37	12.17	11.89	11.39	10.44	9.33		0.40	0.20	1.85	3.08	3.70			
PA5 Line XX	0.50		S29.1	B	Woodland, Grass, Fair	65	45	83	0.21	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
PA5 Line XX	8.40		S29.1	C	Woodland, Grass, Fair	77	59	92	5.01	4.80	4.48	1.66	0.84	0.21		1.00	0.25	2.52	4.20	5.04			
PA5 Line XX	3.50		S29.1	D	Woodland, Grass, Fair	82	66	95	2.38	2.30	2.18	1.00	0.61	0.25		1.00	0.20	1.05	1.75	2.10			
12903	0.22	P504XX	S29.2	B	Barren	86	72	97	0.17	0.16	0.16	0.08	0.06	0.03		1.00	0.30	0.07	0.11	0.13			
12903	4.49	P504XX	S29.2	C	Barren	91	80	98	3.75	3.69	3.60	2.34	1.82	1.22		1.00	0.25	1.35	2.25	2.69			
12903	0.02	P504XX	S29.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01			
12903	1.01	P504XX	S29.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.57	0.55	0.51	0.17	0.08	0.01		1.00	0.25	0.30	0.51	0.61			
12903	0.45	P504XX	S29.2	B	Commercial, Industrial	56	36	76	0.40	0.40	0.39	0.39	0.37	0.36		0.10	0.30	0.01	0.02	0.03			
12903	1.36	P504XX	S29.2	C	Commercial, Industrial	69	50	86	1.24	1.24	1.22	1.20	1.16	1.10		0.10	0.25	0.04	0.07	0.08			
12903	2.89	P504XX	S29.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.36	1.28	1.16	0.27	0.08	0.00		1.00	0.30	0.87	1.44	1.73			
12903	20.30	P504XX	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	12.77	12.27	11.55	4.64	2.54	0.80		1.00	0.25	6.09	10.15	12.18			
12903	1.51	P504XX	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.08	1.05	1.00	0.49	0.32	0.15		1.00	0.20	0.45	0.76	0.91			
12903	1.47	P504XX	S29.2	D	Meadows or Cienegas, Fair	84	69	96	1.05	1.02	0.98	0.48	0.31	0.15		1.00	0.20	0.44	0.74	0.88			
12903	2.33	P504XX	S29.2	B	Open Brush, Fair	66	46	84	0.99	0.92	0.83	0.14	0.02	0.00		1.00	0.30	0.70	1.16	1.40			
12903	11.34	P504XX	S29.2	C	Open Brush, Fair	77	59	92	6.77	6.47	6.05	2.24	1.13	0.28		1.00	0.25	3.40	5.67	6.80			
12903	10.50	P504XX	S29.2	D	Open Brush, Fair	83	67	96	7.31	7.08	6.75	3.21	2.01	0.90		1.00	0.20	3.15	5.25	6.30			
12903	1.18	P504XX	S29.2	D	Public Park	75	57	91	0.74	0.71	0.67	0.60	0.48	0.34		0.85	0.20	0.30	0.50	0.60			
12903	0.42	P504XX	S29.2	B	Row Crops, Good	78	61	93	0.26	0.24	0.23	0.09	0.05	0.01		1.00	0.30	0.12	0.21	0.25			
12903	0.03	P504XX	S29.2	C	Row Crops, Good	85	70	97	0.02	0.02	0.02	0.01	0.01	0.00		1.00	0.25	0.01	0.02	0.02			
12903	2.22	P504XX	S29.2	B	Woodland, Grass, Fair	65	45	83	0.91	0.85	0.76	0.12	0.01	0.00		1.00	0.30	0.67	1.11	1.33			
12903	8.73	P504XX	S29.2	C																			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															
	2.90	S29.2-1	S29.2	C	Open Brush, Fair	77	59	92	1.73	1.66	1.55	0.57	0.29	0.07		1.00	0.25	0.87	1.45	1.74			
	3.60	S29.2-1	S29.2	A	Woodland, Grass, Fair	44	26	64	0.50	0.41	0.31	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16			
	3.70	S29.2-1	S29.2	B	Residential 5-7 dwellings/acre	56	36	76	2.31	2.25	2.17	2.04	1.83	1.66		0.50	0.30	0.56	0.93	1.11			
	4.10	S29.2-1	S29.2	A	Residential 5-7 dwellings/acre	32	17	52	2.03	2.00	1.97	1.94	1.89	1.82		0.50	0.40	0.62	1.03	1.23			
	5.40	S29.2-1	S29.2	A	Residential 2.5 acre lots	32	17	52	0.67	0.61	0.55	0.51	0.50	0.48		0.90	0.40	1.46	2.43	2.92			
	6.70	S29.2-1	S29.2	A	Open Brush, Fair	46	28	66	1.08	0.91	0.70	0.00	0.00	0.00		1.00	0.40	2.01	3.35	4.02			
	12.00	S29.2-1	S29.2	A	Barren	78	61	93	7.36	7.05	6.62	2.56	1.35	0.38		1.00	0.40	3.60	6.00	7.20			
	12.90	S29.2-1	S29.2	A	Grass, Annual or Perennial, Fair	50	31	70	2.69	2.34	1.89	0.00	0.00	0.00		1.00	0.40	3.87	6.45	7.74			
	38.60	S29.2-1	S29.2	A	Public Park	32	17	52	6.56	6.16	5.76	5.47	5.33	5.13		0.85	0.40	9.84	16.41	19.69			
	0.10	S29.2-4	S29.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05			
	0.20	S29.2-4	S29.2	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	0.80	S29.2-4	S29.2	A	Woodland, Grass, Fair	44	26	64	0.11	0.09	0.07	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48			
	1.20	S29.2-4	S29.2	C	Commercial, Industrial	69	50	86	1.10	1.09	1.08	1.06	1.02	0.97		0.10	0.25	0.04	0.06	0.07			
	1.50	S29.2-4	S29.2	A	Commercial, Industrial	32	17	52	1.30	1.30	1.29	1.27	1.24	1.20		0.10	0.40	0.05	0.08	0.09			
	3.00	S29.2-4	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	2.14	2.08	1.99	0.98	0.63	0.30		1.00	0.20	0.90	1.50	1.80			
	3.60	S29.2-4	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	2.27	2.18	2.05	0.82	0.45	0.14		1.00	0.25	1.08	1.80	2.16			
	15.10	S29.2-4	S29.2	A	Public Park	32	17	52	2.56	2.41	2.25	2.14	2.09	2.01		0.85	0.40	3.85	6.42	7.70			
	20.00	S29.2-4	S29.2	A	Grass, Annual or Perennial, Fair	50	31	70	4.16	3.63	2.93	0.00	0.00	0.00		1.00	0.40	6.00	10.00	12.00			
	14.30	G	S29.2	A	Commercial, Industrial	32	17	52	12.43	12.37	12.29	12.15	11.86	11.40		0.10	0.40	4.43	7.72	8.86			
	9.40	G	S29.2	A	Public Park	32	17	52	1.60	1.50	1.40	1.33	1.30	1.25		0.85	0.40	2.40	4.00	4.79			
	1.4	B-10	S29.3	B	Commercial, Industrial	56	36	76	1.25	1.24	1.23	1.21	1.17	1.12		0.10	0.30	0.04	0.07	0.08			
	1.1	B-10	S29.3	C	Commercial, Industrial	69	50	86	1.00	1.00	0.99	0.97	0.94	0.89		0.10	0.25	0.03	0.06	0.07			
	1.9	B-10	S29.3	B	Residential 2.5 acre lots	56	36	76	0.67	0.62	0.55	0.45	0.29	0.18		0.90	0.30	0.51	0.86	1.03			
	1.6	B-10	S29.3	C	Residential 2.5 acre lots	69	50	86	0.83	0.79	0.73	0.63	0.46	0.29		0.90	0.25	0.43	0.72	0.86			
	0.2	B-10	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.14	0.14	0.13	0.13	0.12	0.11		0.40	0.30	0.02	0.04	0.05			
	0.3	B-11	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02			
	0.6	B-11	S29.3	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04			
	0.7	B-11	S29.3	D	Commercial, Industrial	75	57	91	0.65	0.64	0.64	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.4	B-11	S29.3	B	Residential 2.5 acre lots	56	36	76	0.14	0.13	0.12	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22			
	0.8	B-11	S29.3	C	Residential 2.5 acre lots	69	50	86	0.42	0.40	0.37	0.32	0.23	0.15		0.90	0.25	0.22	0.36	0.43			
	0.4	B-11	S29.3	D	Residential 2.5 acre lots	75	57	91	0.24	0.23	0.22	0.19	0.15	0.10		0.90	0.20	0.11	0.18	0.22			
	1.0	B-12	S29.3	B	Commercial, Industrial	56	36	76	0.89	0.89	0.88	0.87	0.84	0.80		0.10	0.30	0.03	0.05	0.06			
	0.4	B-12	S29.3	C	Commercial, Industrial	69	50	86	0.37	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02			
	2.2	B-12	S29.3	D	Commercial, Industrial	75	57	91	2.03	2.02	2.00	1.96	1.89	1.79		0.10	0.20	0.07	0.11	0.13			
	0.4	B-12	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.33	0.33	0.32	0.31	0.30	0.28		0.20	0.30	0.02	0.04	0.05			
	0.7	B-12	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.62	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08			
	1.1	B-12	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.88	0.87	0.85	0.81	0.75	0.67		0.40	0.20	0.13	0.22	0.26			
	0.5	B-14	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.41	0.41	0.40	0.39	0.38	0.36		0.20	0.30	0.03	0.05	0.06			
	1.2	B-14	S29.3	C	Residential 10+ dwellings/acre	69	50	86	1.04	1.03	1.01	0.99	0.94	0.88		0.20	0.25	0.07	0.12	0.14			
	1.1	B-15	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.91	0.90	0.89	0.87	0.83	0.78		0.20	0.30	0.07	0.11	0.13			
	1.4	B-15	S29.3	C	Residential 10+ dwellings/acre	69	50	86	1.21	1.20	1.18	1.15	1.09	1.02		0.20	0.25	0.08	0.14	0.17			
	1.8	B-15	S29.3	D	Residential 10+ dwellings/acre	75	57	91	1.59	1.57	1.55	1.52	1.44	1.34		0.20	0.20	0.11	0.18	0.22			
	1.9	B-16	S29.3	B	Residential 10+ dwellings/acre	56	36	76	1.57	1.56	1.53	1.49	1.43	1.35		0.20	0.30	0.11	0.19	0.23			
	5.7	B-16	S29.3	C	Residential 10+ dwellings/acre	69	50	86	4.93	4.88	4.81	4.68	4.45	4.16		0.20	0.25	0.34	0.57	0.68			
	0.6	B-17	S29.3	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04			
	0.3	B-17	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.26	0.24		0.10	0.25	0.01	0.02	0.02			
	0.2	B-17	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.17	0.17	0.17	0.16	0.16	0.15		0.20	0.25	0.01	0.02	0.02			
	2.9	B-17	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	2.01	1.97	1.91	1.82	1.68	1.55		0.40	0.30	0.35	0.58	0.70			
	11.4	B-17	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	8.73	8.58	8.36	7.97	7.29	6.54		0.40	0.25	1.37	2.28	2.74			
	0.9	B-17	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.71	0.69	0.67	0.61	0.55		0.40	0.20	0.11	0.18	0.22			
	2.4	B-18	S29.3	B	Residential 10+ dwellings/acre	56	36	76	1.98	1.96	1.94	1.89	1.80	1.71		0.20	0.30	0.14	0.24	0.29			
	7.1	B-18	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	4.43	4.31	4.16	3.91	3.52	3.18		0.50	0.30	1.07	1.78	2.13			
	3.6	B-18	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	2.58	2.52	2.44	2.30	2.05	1.78		0.50	0.25	0.54	0.90	1.08			
	0.3	B-18	S29.3	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.21	0.19	0.16		0.50	0.20	0.05	0.08	0.09			
	10.5	B-18	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	7.26	7.12	6.92	6.61	6.09	5.62		0.40	0.30	1.26	2.10	2.52			
	9.4	B-18	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	7.20	7.07	6.89	6.58	6.01	5.39		0.40	0.25	1.13	1.88	2.26			
	0.3	B-18	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.24	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07			
	7.7	B-21	S29.3	B	Residential 10+ dwellings/acre	56	36	76	6.37	6.30	6.21	6.06	5.78	5.47		0.20	0.30	0.46	0.77	0.92			
	0.4	B-21	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.35	0.34	0.34	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05			
	1.7	B-21	S29.3	D	Residential 10+ dwellings/acre	75	57	91	1.50	1.49	1.47	1.43	1.36	1.27		0.20	0.20	0.10	0.17	0.20			
	0.4	B-21	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.25	0.24	0.23	0.22	0.20	0.18		0.50	0.30	0.06	0.10	0.12			
	0.2	B-23	S29.3	C	Commercial, Industrial	69	50	86															

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 12904 (Node 133u)

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			P ₂₄ (Inches)					EV					HC					
						II	I	III	100	50	25	10	5	2	100	Storm Event (Year)				HC				
									AMC 1/AMCII					5.63										
	0.1	B-23	S29.3	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.03		0.90	0.20	0.03	0.05	0.05				
	0.2	B-23	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06				
	0.1	B-23	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03				
	0.5	B-23	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.35	0.34	0.33	0.31	0.29	0.27		0.40	0.30	0.06	0.10	0.12				
	1.4	B-23	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	1.07	1.05	1.03	0.98	0.90	0.80		0.40	0.25	0.17	0.28	0.34				
	7.4	B-23	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	5.94	5.85	5.71	5.47	5.02	4.48		0.40	0.20	0.89	1.48	1.78				
	3.2	B-27	S29.3	B	Commercial, Industrial	56	36	76	2.86	2.84	2.82	2.77	2.68	2.55		0.10	0.30	0.10	0.16	0.19				
	0.7	B-27	S29.3	D	Commercial, Industrial	75	57	91	0.65	0.64	0.64	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04				
	0.9	B-27	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.74	0.74	0.73	0.71	0.68	0.64		0.20	0.30	0.05	0.09	0.11				
	0.3	B-27	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04				
	2.0	B-28	S29.3	A	Commercial, Industrial	32	17	52	1.74	1.73	1.72	1.70	1.66	1.59		0.10	0.40	0.06	0.10	0.12				
	4.6	B-28	S29.3	B	Commercial, Industrial	56	36	76	4.12	4.09	4.05	3.98	3.85	3.67		0.10	0.30	0.14	0.23	0.28				
	5.6	B-28	S29.3	C	Commercial, Industrial	69	50	86	5.11	5.08	5.03	4.94	4.76	4.52		0.10	0.25	0.17	0.28	0.34				
	1.6	B-28	S29.3	C	Open Brush, Fair	77	59	92	0.95	0.91	0.85	0.82	0.78	0.74		1.00	0.25	0.48	0.80	0.96				
	0.7	B-28	S29.3	B	Orchards, Evergreen, Fair	65	45	83	0.29	0.27	0.24	0.24	0.22	0.20		1.00	0.30	0.21	0.35	0.42				
	0.2	B-28	S29.3	D	Orchards, Evergreen, Fair	82	66	95	0.14	0.13	0.12	0.12	0.10	0.09		1.00	0.20	0.06	0.10	0.12				
	7.3	B-28	S29.3	B	Public Park	56	36	76	2.82	2.84	2.82	2.77	2.68	2.55		0.85	0.30	1.86	3.10	3.72				
	0.8	B-28	S29.3	C	Public Park	69	50	86	0.44	0.42	0.39	0.34	0.26	0.18		0.85	0.25	0.20	0.34	0.41				
	0.2	B-28	S29.3	D	Public Park	75	57	91	0.12	0.12	0.11	0.10	0.08	0.06		0.85	0.20	0.05	0.09	0.10				
	0.1	B-28	S29.3	A	Residential 2.5 acre lots	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.90	0.40	0.03	0.05	0.05				
	4.0	B-28	S29.3	B	Residential 2.5 acre lots	56	36	76	1.41	1.31	1.16	0.94	0.62	0.39		0.90	0.30	1.08	1.80	2.16				
	4.2	B-28	S29.3	C	Residential 2.5 acre lots	69	50	86	2.19	2.07	1.92	1.66	1.21	0.77		0.90	0.25	1.13	1.89	2.27				
	2.3	B-28	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	1.43	1.40	1.35	1.27	1.14	1.03		0.50	0.30	0.35	0.58	0.69				
	0.5	B-28	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.36	0.35	0.34	0.32	0.28	0.25		0.50	0.25	0.08	0.13	0.15				
	0.1	B-28	S29.3	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.4	B-28	S29.3	C	Woodland, Grass, Fair	77	59	92	0.24	0.24	0.23	0.21	0.18	0.16		1.00	0.25	0.12	0.20	0.24				
	0.3	B-5	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02				
	0.3	B-5	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.26	0.24		0.10	0.25	0.01	0.02	0.02				
	0.2	B-5	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.17	0.16	0.16	0.16	0.15	0.14		0.20	0.30	0.01	0.02	0.02				
	0.6	B-5	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.51	0.49	0.47	0.44		0.20	0.25	0.04	0.06	0.07				
	0.1	B-5	S29.3	B	Residential 2.5 acre lots	56	36	76	0.04	0.03	0.03	0.02	0.02	0.01		0.90	0.30	0.03	0.05	0.05				
	0.4	B-6	S29.3	B	Commercial, Industrial	56	36	76	0.36	0.36	0.35	0.35	0.33	0.32		0.10	0.30	0.01	0.02	0.02				
	0.5	B-6	S29.3	C	Commercial, Industrial	69	50	86	0.46	0.45	0.45	0.44	0.43	0.40		0.10	0.25	0.02	0.03	0.03				
	0.8	B-6	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.66	0.62	0.58		0.20	0.25	0.05	0.08	0.10				
	0.4	B-6	S29.3	B	Residential 2.5 acre lots	56	36	76	0.14	0.13	0.12	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22				
	1.2	B-6	S29.3	C	Residential 2.5 acre lots	69	50	86	0.62	0.59	0.55	0.47	0.34	0.22		0.90	0.25	0.32	0.54	0.65				
	0.3	B-7	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02				
	0.4	B-7	S29.3	C	Commercial, Industrial	69	50	86	0.37	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02				
	0.1	B-7	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.30	0.01	0.01	0.01				
	0.3	B-7	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.26	0.26	0.25	0.25	0.23	0.22		0.20	0.25	0.02	0.03	0.04				
	0.2	B-7	S29.3	B	Residential 2.5 acre lots	56	36	76	0.07	0.07	0.06	0.05	0.03	0.02		0.90	0.30	0.05	0.09	0.11				
	1.5	B-7	S29.3	C	Residential 2.5 acre lots	69	50	86	0.78	0.74	0.68	0.59	0.43	0.27		0.90	0.25	0.41	0.68	0.81				
	0.7	B-8	S29.3	B	Commercial, Industrial	56	36	76	0.63	0.62	0.62	0.61	0.59	0.56		0.10	0.30	0.02	0.04	0.04				
	2.5	B-8	S29.3	C	Commercial, Industrial	69	50	86	2.28	2.27	2.25	2.21	2.13	2.02		0.10	0.25	0.08	0.13	0.15				
	0.3	B-8	S29.3	D	Commercial, Industrial	75	57	91	0.28	0.28	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02				
	0.3	B-8	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.25	0.24	0.24	0.23	0.21		0.20	0.30	0.02	0.03	0.04				
	0.1	B-8	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01				
	0.2	B-8	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02				
	2.6	B-8	S29.3	B	Residential 2.5 acre lots	56	36	76	0.92	0.85	0.76	0.61	0.40	0.25		0.90	0.30	0.70	1.17	1.40				
	9.3	B-8	S29.3	C	Residential 2.5 acre lots	69	50	86	4.84	4.59	4.25	3.66	2.67	1.70		0.90	0.25	2.51	4.19	5.02				
	1.5	B-8	S29.3	D	Residential 2.5 acre lots	75	57	91	0.91	0.87	0.82	0.73	0.56	0.38		0.90	0.20	0.41	0.68	0.81				
	2.4	B-9	S29.3	B	Commercial, Industrial	56	36	76	2.15	2.13	2.11	2.08	2.01	1.92		0.10	0.30	0.07	0.12	0.14				
	0.2	B-9	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01				
	0.3	B-9	S29.3	D	Commercial, Industrial	75	57	91	0.23	0.23	0.23	0.22	0.22	0.20		0.10	0.20	0.01	0.01	0.02				
	2.1	B-9	S29.3	B	Residential 2.5 acre lots	56	36	76	0.72	0.67	0.60	0.48	0.32	0.20		0.90	0.30	0.55	0.92	1.11				
	0.3	B-9	S29.3	C	Residential 2.5 acre lots	69	50	86	0.16	0.15	0.14	0.12	0.09	0.05		0.90	0.25	0.08	0.14	0.16				
	0.5	B-9	S29.3	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.19	0.13		0.90	0.20	0.14	0.23	0.27				
	54417.5	Low Loss Fraction (1-Y) =							0.4	0.4	0.4	0.7	0.8	0.9	1.000		F _m =	0.290	0.484	0.581	0.000			

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13222 (Node 132c)

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)				
								EV				HC						EV				HC
						100	50	25	10	5	2	100										
						AMC			P ₂₄ (Inches)													
						II	I	III														
	2.17		S30	A	Apartments	32	17	52	1.64	1.64	1.63	1.60	1.55	1.47		0.20	0.40	0.13	0.22	0.26		
	19.41		S30	B	Apartments	56	36	76	15.39	15.23	15.01	14.63	13.93	13.16		0.20	0.30	1.16	1.94	2.33		
	1.31		S30	C	Apartments	69	50	86	1.09	1.08	1.06	1.03	0.97	0.90		0.20	0.25	0.08	0.13	0.16		
	0.63		S30	D	Apartments	75	57	91	0.53	0.53	0.52	0.50	0.47	0.44		0.20	0.20	0.04	0.06	0.08		
	0.68		S30	C	Chaparral, Broadleaf, Fair	75	57	91	0.31	0.29	0.27	0.06	0.01	0.00		1.00	0.25	0.20	0.34	0.41		
	0.01		S30	A	Condominiums	32	17	52	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.40	0.00	0.00	0.00		
	14.66		S30	B	Condominiums	56	36	76	9.93	9.76	9.55	9.19	8.60	8.08		0.35	0.30	1.54	2.57	3.08		
	0.44		S30	C	Condominiums	69	50	86	0.33	0.32	0.31	0.30	0.27	0.25		0.35	0.25	0.05	0.08	0.09		
	7.34		S30	D	Condominiums	75	57	91	5.69	5.59	5.46	5.24	4.79	4.30		0.35	0.20	0.77	1.28	1.54		
	18.77		S30	A	Grass, Annual or Perennial, Fair	50	31	70	2.07	1.69	1.23	0.00	0.00	0.00		1.00	0.40	5.63	9.38	11.26		
	71.96		S30	B	Grass, Annual or Perennial, Fair	69	50	86	25.57	23.50	20.80	2.20	0.04	0.00		1.00	0.30	21.59	35.98	43.18		
	94.44		S30	C	Grass, Annual or Perennial, Fair	79	62	93	49.81	47.25	43.81	12.58	4.93	0.41		1.00	0.25	28.33	47.22	56.67		
	46.02		S30	D	Grass, Annual or Perennial, Fair	84	69	96	28.77	27.67	26.15	10.15	5.45	1.70		1.00	0.20	13.80	23.01	27.61		
	37.38		S30	B	Open Brush, Fair	66	46	84	11.57	10.51	9.14	0.49	0.00	0.00		1.00	0.30	11.22	18.69	22.43		
	452.58		S30	C	Open Brush, Fair	77	59	92	222.00	209.40	192.54	48.61	15.98	0.21		1.00	0.25	135.77	226.29	271.55		
	8.00		S30	D	Open Brush, Fair	83	67	96	4.84	4.64	4.37	1.61	0.82	0.22		1.00	0.20	2.40	4.00	4.80		
	20.05		S30	B	Orchards, Evergreen, Fair	65	45	83	5.91	5.35	4.62	0.18	0.00	0.00		1.00	0.30	6.01	10.02	12.03		
	35.24		S30	C	Orchards, Evergreen, Fair	77	59	92	17.29	16.31	14.99	3.79	1.24	0.02		1.00	0.25	10.57	17.62	21.15		
	3.87		S30	A	Public Park	32	17	52	0.55	0.55	0.56	0.54	0.52	0.49		0.85	0.40	0.99	1.65	1.97		
	16.21		S30	B	Public Park	56	36	76	4.73	4.38	3.95	3.28	2.41	2.06		0.85	0.30	4.13	6.89	8.27		
	14.26		S30	C	Public Park	69	50	86	6.33	5.98	5.51	4.72	3.41	2.30		0.85	0.25	3.64	6.06	7.27		
	0.76		S30	D	Public Park	75	57	91	0.40	0.39	0.36	0.32	0.24	0.16		0.85	0.20	0.19	0.32	0.39		
	38.41		S30	B	Residential 1 acre lots	56	36	76	12.69	11.90	10.92	9.41	7.38	6.51		0.80	0.30	9.22	15.36	18.44		
	29.50		S30	C	Residential 1 acre lots	69	50	86	13.98	13.27	12.35	10.79	8.18	5.94		0.80	0.25	7.08	11.80	14.16		
	7.64		S30	A	Residential 2 dwellings/acre	32	17	52	2.17	2.16	2.17	2.12	2.05	1.94		0.70	0.40	1.60	2.67	3.21		
	96.41		S30	B	Residential 2 dwellings/acre	56	36	76	39.28	37.49	35.26	31.79	26.97	24.51		0.70	0.30	20.25	33.74	40.49		
	125.34		S30	C	Residential 2 dwellings/acre	69	50	86	66.80	64.10	60.57	54.58	44.40	35.36		0.70	0.25	26.32	43.87	52.64		
	23.54		S30	D	Residential 2 dwellings/acre	75	57	91	14.18	13.68	13.02	11.85	9.74	7.64		0.70	0.20	4.94	8.24	9.88		
	1.01		S30	A	Residential 3-4 dwellings/acre	32	17	52	0.38	0.38	0.38	0.37	0.36	0.34		0.60	0.40	0.18	0.30	0.36		
	86.85		S30	B	Residential 3-4 dwellings/acre	56	36	76	42.09	40.65	38.85	36.01	31.91	29.44		0.60	0.30	15.63	26.06	31.27		
	143.97		S30	C	Residential 3-4 dwellings/acre	69	50	86	85.25	82.50	78.89	72.73	62.08	52.25		0.60	0.25	25.91	43.19	51.83		
	14.92		S30	D	Residential 3-4 dwellings/acre	75	57	91	9.72	9.44	9.07	8.41	7.19	5.95		0.60	0.20	2.69	4.48	5.37		
	1.95		S30	A	Residential 5-7 dwellings/acre	32	17	52	0.93	0.92	0.92	0.90	0.87	0.83		0.50	0.40	0.29	0.49	0.59		
	99.54		S30	B	Residential 5-7 dwellings/acre	56	36	76	55.92	54.47	52.64	49.71	45.29	42.18		0.50	0.30	14.93	24.88	29.86		
	131.14		S30	C	Residential 5-7 dwellings/acre	69	50	86	85.43	83.24	80.35	75.40	66.65	58.19		0.50	0.25	19.67	32.79	39.34		
	12.10		S30	D	Residential 5-7 dwellings/acre	75	57	91	8.48	8.28	8.02	7.54	6.66	5.73		0.50	0.20	1.81	3.02	3.63		
	19.70		S30	B	Residential 8-10 dwellings/acre	56	36	76	12.58	12.34	12.02	11.51	10.69	10.02		0.40	0.30	2.36	3.94	4.73		
	7.60		S30	C	Residential 8-10 dwellings/acre	69	50	86	5.40	5.29	5.15	4.90	4.45	3.98		0.40	0.25	0.91	1.52	1.82		
	12.71		S30	B	School	56	36	76	6.16	5.95	5.68	5.27	4.67	4.31		0.60	0.30	2.29	3.81	4.57		
	9.16		S30	C	School	69	50	86	5.42	5.25	5.02	4.63	3.95	3.32		0.60	0.25	1.65	2.75	3.30		
	23.69		S30	A	Turf, Good	33	17	53	0.05	0.00	0.05	0.00	0.00	0.00		1.00	0.40	7.11	11.85	14.22		
	117.50		S30	B	Turf, Good	58	38	77	23.55	20.54	16.79	11.00	3.17	0.00		1.00	0.30	35.25	58.75	70.50		
	22.40		S30	C	Turf, Good	72	53	89	9.04	8.40	7.55	6.11	3.64	1.48		1.00	0.25	6.72	11.20	13.44		
	3.50		S30	D	Turf, Good	79	62	93	1.85	1.75	1.63	1.40	0.98	0.56		1.00	0.20	1.05	1.75	2.10		
	0.51		S30	A	Water	98	95	100	0.48	0.48	0.48	0.47	0.45	0.43		0.00	0.40	0.00	0.00	0.00		
	14.50		S30	B	Water	98	95	100	13.74	13.67	13.58	13.39	12.95	12.29		0.00	0.30	0.00	0.00	0.00		
	1.56		S30	C	Water	98	95	100	1.48	1.47	1.46	1.44	1.40	1.33		0.00	0.25	0.00	0.00	0.00		
	2.35		S30	D	Water	98	95	100	2.23	2.22	2.20	2.17	2.10	1.99		0.00	0.20	0.00	0.00	0.00		
	24.20		S30	A	Woodland, Grass, Fair	44	26	64	1.39	1.02	0.61	0.00	0.00	0.00		1.00	0.40	7.26	12.10	14.52		
	31.86		S30	B	Woodland, Grass, Fair	65	45	83	9.40	8.50	7.35	0.28	0.00	0.00		1.00	0.30	9.56	15.93	19.12		
	46.40		S30	C	Woodland, Grass, Fair	77	59	92	22.76	21.47	19.74	4.98	1.64	0.02		1.00	0.25	13.92	23.20	27.84		
	0.01		S30	D	Woodland, Grass, Fair	82	66	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00		
	5.17		S31	B	Chaparral, Broadleaf, Fair	63	43	81	1.38	1.23	1.05	0.02	0.00	0.00		1.00	0.30	1.55	2.59	3.10		
	18.15		S31	C	Chaparral, Broadleaf, Fair	75	57	91	8.26	7.74	7.06	1.53	0.39	0.00		1.00	0.25	5.44	9.07	10.89		
	12.74		S31	D	Chaparral, Broadleaf, Fair	81	64	95	7.20	6.87	6.42	2.09	0.95	0.16		1.00	0.20	3.82	6.37	7.64		
	2.64		S31	B	Chaparral, Narrowleaf, Fair	72	53	89	1.07	0.99	0.89	0.14	0.02	0.00		1.00	0.30	0.79	1.32	1.59		
	23.13		S31	C	Chaparral, Narrowleaf, Fair	81	64	95	13.08	12.48	11.66	3.79	1.72	0.30		1.00	0.25	6.94	11.56	13.88		
	3.78		S31	D	Chaparral, Narrowleaf, Fair	86	72	97	2.52	2.44	2.32	1.01	0.59	0.24		1.00	0.20	1.14	1.89	2.27		
	0.16		S31	C	Commercial, Industrial	69	50	86	0.14	0.14	0.14	0.14	0.13	0.12		0.10	0.25	0.00	0.01	0.01		
	0.84		S31	D	Commercial, Industrial	75	57	91	0.75	0.75	0.74	0.73	0.69	0.65		0.10	0.20	0.03	0.04	0.05		
	0.55		S31	A	Condominiums	32	17	52	0.34	0.34	0.34	0.33	0.32	0.30		0.35	0.40	0.06	0.10	0.12		
	0.95		S31	B	Condominiums	56	36	76	0.64	0.63	0.62	0.60	0.56	0.52		0.35						

RANCHO MISSION VIEJO																								
PA-3&4(Ultimate Conditions)																								
Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13222 (Node 132c)																								
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										
								EV																
								100	50	25	10	5	2		100									
						AMC			P ₂₄ (Inches)											5.63	Storm Event (Year)			
						II	I	III	AMC I/AMCII						HC	EV					All			
	0.07		S31	A	Open Brush, Fair	46	28	66	0.01	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.04				
	27.57		S31	B	Open Brush, Fair	66	46	84	8.54	7.75	6.74	0.36	0.00	0.00		1.00	0.30	8.27	13.79	16.54				
	420.56		S31	C	Open Brush, Fair	77	59	92	206.30	194.58	178.92	45.17	14.85	0.20		1.00	0.25	126.17	210.28	252.34				
	21.02		S31	D	Open Brush, Fair	83	67	96	12.72	12.20	11.49	4.22	2.16	0.58		1.00	0.20	6.31	10.51	12.61				
	16.33		S31	A	Public Park	32	17	52	2.33	2.31	2.35	2.26	2.19	2.08		0.85	0.40	4.16	6.94	8.33				
	6.44		S31	B	Public Park	56	36	76	1.88	1.74	1.57	1.30	0.96	0.82		0.85	0.30	1.64	2.74	3.28				
	24.85		S31	C	Public Park	69	50	86	11.04	10.41	9.59	8.22	5.93	4.00		0.85	0.25	6.34	10.56	12.67				
	1.94		S31	D	Public Park	75	57	91	1.03	0.98	0.91	0.80	0.60	0.41		0.85	0.20	0.49	0.82	0.99				
	6.82		S31	A	Residential 2 dwellings/acre	32	17	52	1.94	1.93	1.94	1.89	1.83	1.73		0.70	0.40	1.43	2.39	2.87				
	56.92		S31	B	Residential 2 dwellings/acre	56	36	76	23.19	22.14	20.82	18.77	15.93	14.47		0.70	0.30	11.95	19.92	23.91				
	119.90		S31	C	Residential 2 dwellings/acre	69	50	86	63.90	61.32	57.94	52.21	42.47	33.83		0.70	0.25	25.18	41.96	50.36				
	8.05		S31	D	Residential 2 dwellings/acre	75	57	91	4.85	4.68	4.45	4.05	3.33	2.61		0.70	0.20	1.69	2.82	3.38				
	3.96		S31	A	Residential 3-4 dwellings/acre	32	17	52	1.50	1.49	1.49	1.46	1.41	1.34		0.60	0.40	0.71	1.19	1.42				
	103.79		S31	B	Residential 3-4 dwellings/acre	56	36	76	50.30	48.58	46.43	43.03	38.13	35.19		0.60	0.30	18.68	31.14	37.36				
	103.53		S31	C	Residential 3-4 dwellings/acre	69	50	86	61.31	59.33	56.73	52.31	44.65	37.58		0.60	0.25	18.64	31.06	37.27				
	2.40		S31	D	Residential 3-4 dwellings/acre	75	57	91	1.57	1.52	1.46	1.35	1.16	0.96		0.60	0.20	0.43	0.72	0.86				
	12.16		S31	A	Residential 5-7 dwellings/acre	32	17	52	5.76	5.73	5.72	5.61	5.43	5.15		0.50	0.40	1.82	3.04	3.65				
	148.36		S31	B	Residential 5-7 dwellings/acre	56	36	76	83.34	81.19	78.46	74.10	67.51	62.87		0.50	0.30	22.25	37.09	44.51				
	167.09		S31	C	Residential 5-7 dwellings/acre	69	50	86	108.84	106.05	102.38	96.06	84.92	74.14		0.50	0.25	25.06	41.77	50.13				
	7.77		S31	D	Residential 5-7 dwellings/acre	75	57	91	5.45	5.32	5.15	4.85	4.28	3.68		0.50	0.20	1.17	1.94	2.33				
	28.79		S31	A	Row Crops, Poor	72	53	89	11.62	10.79	9.70	1.57	0.21	0.00		1.00	0.40	8.64	14.39	17.27				
	3.32		S31	B	Row Crops, Poor	81	64	95	1.87	1.79	1.67	0.54	0.25	0.04		1.00	0.30	0.99	1.66	1.99				
	6.57		S31	C	Row Crops, Poor	88	75	98	4.67	4.53	4.35	2.10	1.35	0.64		1.00	0.25	1.97	3.29	3.94				
	1.34		S31	D	Row Crops, Poor	91	80	98	1.04	1.02	0.99	0.56	0.40	0.23		1.00	0.20	0.40	0.67	0.80				
	6.21		S31	B	School	56	36	76	3.01	2.91	2.78	2.58	2.28	2.11		0.60	0.30	1.12	1.86	2.24				
	11.04		S31	C	School	69	50	86	6.54	6.33	6.05	5.58	4.76	4.01		0.60	0.25	1.99	3.31	3.98				
	3.90		S31	D	School	75	57	91	2.54	2.47	2.37	2.20	1.88	1.56		0.60	0.20	0.70	1.17	1.40				
	51.85		S31	A	Turf, Good	33	17	53	0.10	0.00	0.10	0.00	0.00	0.00		1.00	0.40	15.55	25.92	31.11				
	114.79		S31	B	Turf, Good	58	38	77	23.00	20.06	16.40	10.74	3.09	0.00		1.00	0.30	34.44	57.40	68.87				
	33.86		S31	C	Turf, Good	72	53	89	13.67	12.70	11.41	9.23	5.51	2.24		1.00	0.25	10.16	16.93	20.32				
	0.44		S31	D	Turf, Good	79	62	93	0.23	0.22	0.20	0.18	0.12	0.07		1.00	0.20	0.13	0.22	0.26				
	33.57		S31	A	Woodland, Grass, Fair	44	26	64	1.93	1.41	0.85	0.00	0.00	0.00		1.00	0.40	10.07	16.78	20.14				
	26.08		S31	B	Woodland, Grass, Fair	65	45	83	7.69	6.96	6.01	0.23	0.00	0.00		1.00	0.30	7.82	13.04	15.65				
	48.80		S31	C	Woodland, Grass, Fair	77	59	92	23.94	22.58	20.76	5.24	1.72	0.02		1.00	0.25	14.64	24.40	29.28				
	1.07		S31	D	Woodland, Grass, Fair	82	66	95	0.63	0.60	0.56	0.20	0.09	0.02		1.00	0.20	0.32	0.54	0.64				
	1.50		S32	C	Barren	91	80	98	1.17	1.14	1.11	0.62	0.44	0.26		1.00	0.25	0.45	0.75	0.90				
	0.60		S32	C	Chaparral, Broadleaf, Fair	75	57	91	0.27	0.26	0.23	0.05	0.01	0.00		1.00	0.25	0.18	0.30	0.36				
	10.15		S32	B	Commercial, Industrial	56	36	76	8.84	8.77	8.68	8.51	8.18	7.74		0.10	0.30	0.30	0.51	0.61				
	0.33		S32	C	Commercial, Industrial	69	50	86	0.30	0.29	0.29	0.28	0.27	0.26		0.10	0.25	0.01	0.02	0.02				
	4.83		S32	D	Commercial, Industrial	75	57	91	4.34	4.30	4.26	4.17	3.98	3.73		0.10	0.20	0.14	0.24	0.29				
	8.06		S32	B	Condominiums	56	36	76	5.46	5.36	5.24	5.05	4.72	4.44		0.35	0.30	0.85	1.41	1.69				
	7.30		S32	C	Condominiums	69	50	86	5.40	5.31	5.18	4.96	4.55	4.12		0.35	0.25	0.77	1.28	1.53				
	0.87		S32	A	Fallow	77	59	92	0.43	0.40	0.37	0.09	0.03	0.00		1.00	0.40	0.26	0.44	0.52				
	1.13		S32	B	Fallow	86	72	97	0.75	0.73	0.69	0.30	0.18	0.07		1.00	0.30	0.34	0.56	0.68				
	3.76		S32	C	Fallow	91	80	98	2.92	2.86	2.77	1.56	1.11	0.65		1.00	0.25	1.13	1.88	2.26				
	2.57		S32	D	Fallow	94	85	99	2.18	2.15	2.10	1.38	1.08	0.75		1.00	0.20	0.77	1.28	1.54				
	0.13		S32	A	Grass, Annual or Perennial, Fair	50	31	70	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.04	0.07	0.08				
	75.47		S32	B	Grass, Annual or Perennial, Fair	69	50	86	26.82	24.64	21.81	2.31	0.04	0.00		1.00	0.30	22.64	37.74	45.28				
	143.59		S32	C	Grass, Annual or Perennial, Fair	79	62	93	75.73	71.84	66.61	19.12	7.50	0.62		1.00	0.25	43.08	71.79	86.15				
	7.85		S32	D	Grass, Annual or Perennial, Fair	84	69	96	4.91	4.72	4.46	1.73	0.93	0.29		1.00	0.20	2.36	3.93	4.71				
	25.40		S32	B	Open Brush, Fair	66	46	84	7.86	7.14	6.21	0.33	0.00	0.00		1.00	0.30	7.62	12.70	15.24				
	310.79		S32	C	Open Brush, Fair	77	59	92	152.45	143.79	132.22	33.38	10.98	0.15		1.00	0.25	93.24	155.39	186.47				
	7.06		S32	D	Open Brush, Fair	83	67	96	4.27	4.09	3.86	1.42	0.72	0.19		1.00	0.20	2.12	3.53	4.23				
	19.85		S32	B	Public Park	56	36	76	5.79	5.36	4.83	4.02	2.95	2.52		0.85	0.30	5.06	8.44	10.13				
	5.35		S32	C	Public Park	69	50	86	2.38	2.24	2.07	1.77	1.28	0.86		0.85	0.25	1.37	2.28	2.73				
	5.96		S32	D	Public Park	75	57	91	3.15	3.01	2.81	2.47	1.85	1.27		0.85	0.20	1.52	2.53	3.04				
	30.31		S32	C	Residential 2 dwellings/acre	69	50	86	16.16	15.50	14.65	13.20	10.74	8.55		0.70	0.25	6.37	10.61	12.73				
	1.81		S32	D	Residential 2 dwellings/acre	75	57	91	1.09	1.05	1.00	0.91	0.75	0.59		0.70	0.20	0.38	0.63	0.76				
	0.30		S32	A	Residential 3-4 dwellings/acre	32	17	52	0.12	0.11	0.11	0.11	0.11	0.10		0.60	0.40	0.05	0.09	0.11				
	71.64		S32	B	Residential 3-4 dwellings/acre	56	36	76	34.72	33.53	32.05	29.70	26.32	24.29		0.60	0.30							

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13222 (Node 132c)

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	100								
						AMC			P ₂₄ (Inches)														
						II	I	III															
	3.35		S32	B	School	56	36	76	1.62	1.57	1.50	1.39	1.23	1.14		0.60	0.30	0.60	1.01	1.21			
	4.81		S32	C	School	69	50	86	2.85	2.76	2.64	2.43	2.08	1.75		0.60	0.25	0.87	1.44	1.73			
	5.12		S32	D	School	75	57	91	3.34	3.24	3.11	2.89	2.47	2.04		0.60	0.20	0.92	1.54	1.84			
	3.04		S32	A	Woodland, Grass, Fair	44	26	64	0.17	0.13	0.08	0.00	0.00	0.00		1.00	0.40	0.91	1.52	1.83			
	73.14		S32	B	Woodland, Grass, Fair	65	45	83	21.57	19.51	16.86	0.65	0.00	0.00		1.00	0.30	21.94	36.57	43.88			
	18.26		S32	C	Woodland, Grass, Fair	77	59	92	8.96	8.45	7.77	1.96	0.64	0.01		1.00	0.25	5.48	9.13	10.95			
	1.40		S32	D	Woodland, Grass, Fair	82	66	95	0.82	0.78	0.73	0.25	0.12	0.03		1.00	0.20	0.42	0.70	0.84			
	4924.4				Low Loss Fraction (1-Y) =				0.515	0.538	0.567	0.727	0.789	0.830	1.000		F _m =	0.244	0.406	0.487	0.000		

RANCHO MISSION VIEJO																								
PA-3&4 (Ultimate Conditions)																								
Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 133t)																								
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	100												
						AMC			P ₂₄ (Inches)										AMC I/AMCII		5.63			
						II	I	III																
	2.17		S30	A	Apartments	32	17	52	1.64	1.64	1.63	1.60	1.55	1.47			0.20	0.40	0.13	0.22	0.26			
	19.41		S30	B	Apartments	56	36	76	15.39	15.23	15.01	14.63	13.93	13.16			0.20	0.30	1.16	1.94	2.33			
	1.31		S30	C	Apartments	69	50	86	1.09	1.08	1.06	1.03	0.97	0.90			0.20	0.25	0.08	0.13	0.16			
	0.63		S30	D	Apartments	75	57	91	0.53	0.53	0.52	0.50	0.47	0.44			0.20	0.20	0.04	0.06	0.08			
	0.68		S30	C	Chaparral, Broadleaf, Fair	75	57	91	0.31	0.29	0.27	0.06	0.01	0.00			1.00	0.25	0.20	0.34	0.41			
	0.01		S30	A	Condominiums	32	17	52	0.00	0.00	0.00	0.00	0.00	0.00			0.35	0.40	0.00	0.00	0.00			
	14.66		S30	B	Condominiums	56	36	76	9.93	9.76	9.55	9.19	8.60	8.08			0.35	0.30	1.54	2.57	3.08			
	0.44		S30	C	Condominiums	69	50	86	0.33	0.32	0.31	0.30	0.27	0.25			0.35	0.25	0.05	0.08	0.09			
	7.34		S30	D	Condominiums	75	57	91	5.69	5.59	5.46	5.24	4.79	4.30			0.35	0.20	0.77	1.28	1.54			
	18.77		S30	A	Grass, Annual or Perennial, Fair	50	31	70	2.07	1.69	1.23	0.00	0.00	0.00			1.00	0.40	5.63	9.38	11.26			
	71.96		S30	B	Grass, Annual or Perennial, Fair	69	50	86	25.57	23.50	20.80	2.20	0.04	0.00			1.00	0.30	21.59	35.98	43.18			
	94.44		S30	C	Grass, Annual or Perennial, Fair	79	62	93	49.81	47.25	43.81	12.58	4.93	0.41			1.00	0.25	28.33	47.22	56.67			
	46.02		S30	D	Grass, Annual or Perennial, Fair	84	69	96	28.77	27.67	26.15	10.15	5.45	1.70			1.00	0.20	13.80	23.01	27.61			
	37.38		S30	B	Open Brush, Fair	66	46	84	11.57	10.51	9.14	0.49	0.00	0.00			1.00	0.30	11.22	18.69	22.43			
	452.58		S30	C	Open Brush, Fair	77	59	92	222.00	209.40	192.54	48.61	15.98	0.21			1.00	0.25	135.77	226.29	271.55			
	8.00		S30	D	Open Brush, Fair	83	67	96	4.84	4.64	4.37	1.61	0.82	0.22			1.00	0.20	2.40	4.00	4.80			
	20.05		S30	B	Orchards, Evergreen, Fair	65	45	83	5.91	5.35	4.62	0.18	0.00	0.00			1.00	0.30	6.01	10.02	12.03			
	35.24		S30	C	Orchards, Evergreen, Fair	77	59	92	17.29	16.31	14.99	3.79	1.24	0.02			1.00	0.25	10.57	17.62	21.15			
	3.87		S30	A	Public Park	32	17	52	0.55	0.55	0.56	0.54	0.52	0.49			0.85	0.40	0.99	1.65	1.97			
	16.21		S30	B	Public Park	56	36	76	4.73	4.38	3.95	3.28	2.41	2.06			0.85	0.30	4.13	6.89	8.27			
	14.26		S30	C	Public Park	69	50	86	6.33	5.98	5.51	4.72	3.41	2.30			0.85	0.25	3.64	6.06	7.27			
	0.76		S30	D	Public Park	75	57	91	0.40	0.39	0.36	0.32	0.24	0.16			0.85	0.20	0.19	0.32	0.39			
	38.41		S30	B	Residential 1 acre lots	56	36	76	12.69	11.90	10.92	9.41	7.38	6.51			0.80	0.30	9.22	15.36	18.44			
	29.50		S30	C	Residential 1 acre lots	69	50	86	13.98	13.27	12.35	10.79	8.18	5.94			0.80	0.25	7.08	11.80	14.16			
	7.64		S30	A	Residential 2 dwellings/acre	32	17	52	2.17	2.16	2.17	2.12	2.05	1.94			0.70	0.40	1.60	2.67	3.21			
	96.41		S30	B	Residential 2 dwellings/acre	56	36	76	39.28	37.49	35.26	31.79	26.97	24.51			0.70	0.30	20.25	33.74	40.49			
	125.34		S30	C	Residential 2 dwellings/acre	69	50	86	66.80	64.10	60.57	54.58	44.40	35.36			0.70	0.25	26.32	43.87	52.64			
	23.54		S30	D	Residential 2 dwellings/acre	75	57	91	14.18	13.68	13.02	11.85	9.74	7.64			0.70	0.20	4.94	8.24	9.88			
	1.01		S30	A	Residential 3-4 dwellings/acre	32	17	52	0.38	0.38	0.38	0.37	0.36	0.34			0.60	0.40	0.18	0.30	0.36			
	86.85		S30	B	Residential 3-4 dwellings/acre	56	36	76	42.09	40.65	38.85	36.01	31.91	29.44			0.60	0.30	15.63	26.06	31.27			
	144.00		S30	C	Residential 3-4 dwellings/acre	69	50	86	85.28	82.52	78.91	72.75	62.10	52.26			0.60	0.25	25.92	43.20	51.84			
	14.92		S30	D	Residential 3-4 dwellings/acre	75	57	91	9.72	9.44	9.07	8.41	7.19	5.95			0.60	0.20	2.69	4.48	5.37			
	1.95		S30	A	Residential 5-7 dwellings/acre	32	17	52	0.93	0.92	0.92	0.90	0.87	0.83			0.50	0.40	0.29	0.49	0.59			
	99.54		S30	B	Residential 5-7 dwellings/acre	56	36	76	55.92	54.47	52.64	49.71	45.29	42.18			0.50	0.30	14.93	24.88	29.86			
	131.14		S30	C	Residential 5-7 dwellings/acre	69	50	86	85.43	83.24	80.35	75.40	66.65	58.19			0.50	0.25	19.67	32.79	39.34			
	12.10		S30	D	Residential 5-7 dwellings/acre	75	57	91	8.48	8.28	8.02	7.54	6.66	5.73			0.50	0.20	1.81	3.02	3.63			
	19.70		S30	B	Residential 8-10 dwellings/acre	56	36	76	12.58	12.34	12.02	11.51	10.69	10.02			0.40	0.30	2.36	3.94	4.73			
	7.60		S30	C	Residential 8-10 dwellings/acre	69	50	86	5.40	5.29	5.15	4.90	4.45	3.98			0.40	0.25	0.91	1.52	1.82			
	12.71		S30	B	School	56	36	76	6.16	5.95	5.68	5.27	4.67	4.31			0.60	0.30	2.29	3.81	4.57			
	9.16		S30	C	School	69	50	86	5.42	5.25	5.02	4.63	3.95	3.32			0.60	0.25	1.65	2.75	3.30			
	23.69		S30	A	Turf, Good	33	17	53	0.05	0.00	0.05	0.00	0.00	0.00			1.00	0.40	7.11	11.85	14.22			
	117.50		S30	B	Turf, Good	58	38	77	23.55	20.54	16.79	11.00	3.17	0.00			1.00	0.30	35.25	58.75	70.50			
	22.40		S30	C	Turf, Good	72	53	89	9.04	8.40	7.55	6.11	3.64	1.48			1.00	0.25	6.72	11.20	13.44			
	3.50		S30	D	Turf, Good	79	62	93	1.85	1.75	1.63	1.40	0.98	0.56			1.00	0.20	1.05	1.75	2.10			
	0.51		S30	A	Water	98	95	100	0.48	0.48	0.48	0.47	0.45	0.43			0.00	0.40	0.00	0.00	0.00			
	14.50		S30	B	Water	98	95	100	13.74	13.67	13.58	13.39	12.95	12.29			0.00	0.30	0.00	0.00	0.00			
	1.56		S30	C	Water	98	95	100	1.48	1.47	1.46	1.44	1.40	1.33			0.00	0.25	0.00	0.00	0.00			
	2.35		S30	D	Water	98	95	100	2.23	2.22	2.20	2.17	2.10	1.99			0.00	0.20	0.00	0.00	0.00			
	24.20		S30	A	Woodland, Grass, Fair	44	26	64	1.39	1.02	0.61	0.00	0.00	0.00			1.00	0.40	7.26	12.10	14.52			
	31.86		S30	B	Woodland, Grass, Fair	65	45	83	9.40	8.50	7.35	0.28	0.00	0.00			1.00	0.30	9.56	15.93	19.12			
	46.40		S30	C	Woodland, Grass, Fair	77	59	92	22.76	21.47	19.74	4.98	1.64	0.02			1.00	0.25	13.92	23.20	27.84			
	0.01		S30	D	Woodland, Grass, Fair	82	66	95	0.00	0.00	0.00	0.00	0.00	0.00			1.00	0.20	0.00	0.00	0.00			
	5.17		S31	B	Chaparral, Broadleaf, Fair	63	43	81	1.38	1.23	1.05	0.02	0.00	0.00			1.00	0.30	1.55	2.59	3.10			
	18.15		S31	C	Chaparral, Broadleaf, Fair	75	57	91	8.26	7.74	7.06	1.53	0.39	0.00			1.00	0.25	5.44	9.07	10.89			
	12.74		S31	D	Chaparral, Broadleaf, Fair	81	64	95	7.20	6.87	6.42	2.09	0.95	0.16			1.00	0.20	3.82	6.37	7.64			
	2.64		S31	B	Chaparral, Narrowleaf, Fair	72	53	89	1.07	0.99	0.89	0.14	0.02	0.00			1.00	0.30	0.79	1.32	1.59			
	23.13		S31	C	Chaparral, Narrowleaf, Fair	81	64	95	13.08	12.48	11.66	3.79	1.72	0.30			1.00	0.25	6.94	11.56	13.88			
	3.78		S31	D	Chaparral, Narrowleaf, Fair	86	72	97	2.52	2.44	2.32	1.01	0.59	0.24			1.00	0.20	1.14	1.89	2.27			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100								
								AMC		P ₂₄ (Inches)								5.63				
								II	I	III	AMC I/AMCII											

	0.00		S31	D	Condominiums	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.20	0.00	0.00	0.00	
	4.75		S31	B	Fallow	86	72	97	3.17	3.06	2.92	1.26	0.75	0.30		1.00	0.30	1.43	2.38	2.85	
	20.45		S31	C	Fallow	91	80	98	15.88	15.54	15.07	8.50	6.06	3.55		1.00	0.25	6.13	10.22	12.27	
	0.81		S31	D	Fallow	94	85	99	0.69	0.68	0.66	0.43	0.34	0.24		1.00	0.20	0.24	0.40	0.49	
	3.48		S31	B	Grass, Annual or Perennial, Fair	69	50	86	1.24	1.14	1.00	0.11	0.00	0.00		1.00	0.30	1.04	1.74	2.09	
	36.54		S31	C	Grass, Annual or Perennial, Fair	79	62	93	19.27	18.28	16.95	4.87	1.91	0.16		1.00	0.25	10.96	18.27	21.92	
	1.39		S31	D	Grass, Annual or Perennial, Fair	84	69	96	0.87	0.84	0.79	0.31	0.16	0.05		1.00	0.20	0.42	0.69	0.83	
	0.07		S31	A	Open Brush, Fair	46	28	66	0.01	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.04	
	27.57		S31	B	Open Brush, Fair	66	46	84	8.54	7.75	6.74	0.36	0.00	0.00		1.00	0.30	8.27	13.79	16.54	
	420.56		S31	C	Open Brush, Fair	77	59	92	206.30	194.58	178.92	45.17	14.85	0.20		1.00	0.25	126.17	210.28	252.34	
	21.02		S31	D	Open Brush, Fair	83	67	96	12.72	12.20	11.49	4.22	2.16	0.58		1.00	0.20	6.31	10.51	12.61	
	16.33		S31	A	Public Park	32	17	52	2.33	2.31	2.35	2.26	2.19	2.08		0.85	0.40	4.16	6.94	8.33	
	6.44		S31	B	Public Park	56	36	76	1.88	1.74	1.57	1.30	0.96	0.82		0.85	0.30	1.64	2.74	3.28	
	24.85		S31	C	Public Park	69	50	86	11.04	10.41	9.59	8.22	5.93	4.00		0.85	0.25	6.34	10.56	12.67	
	1.94		S31	D	Public Park	75	57	91	1.03	0.98	0.91	0.80	0.60	0.41		0.85	0.20	0.49	0.82	0.99	
	6.82		S31	A	Residential 2 dwellings/acre	32	17	52	1.94	1.93	1.94	1.89	1.83	1.73		0.70	0.40	1.43	2.39	2.87	
	56.92		S31	B	Residential 2 dwellings/acre	56	36	76	23.19	22.14	20.82	18.77	15.93	14.47		0.70	0.30	11.95	19.92	23.91	
	119.90		S31	C	Residential 2 dwellings/acre	69	50	86	63.90	61.32	57.94	52.21	42.47	33.83		0.70	0.25	25.18	41.96	50.36	
	8.05		S31	D	Residential 2 dwellings/acre	75	57	91	4.85	4.68	4.45	4.05	3.33	2.61		0.70	0.20	1.69	2.82	3.38	
	3.96		S31	A	Residential 3-4 dwellings/acre	32	17	52	1.50	1.49	1.49	1.46	1.41	1.34		0.60	0.40	0.71	1.19	1.42	
	103.79		S31	B	Residential 3-4 dwellings/acre	56	36	76	50.30	48.58	46.43	43.03	38.13	35.19		0.60	0.30	18.68	31.14	37.36	
	103.53		S31	C	Residential 3-4 dwellings/acre	69	50	86	61.31	59.33	56.73	52.31	44.65	37.58		0.60	0.25	18.64	31.06	37.27	
	2.40		S31	D	Residential 3-4 dwellings/acre	75	57	91	1.57	1.52	1.46	1.35	1.16	0.96		0.60	0.20	0.43	0.72	0.86	
	12.16		S31	A	Residential 5-7 dwellings/acre	32	17	52	5.76	5.73	5.72	5.61	5.43	5.15		0.50	0.40	1.82	3.04	3.65	
	148.36		S31	B	Residential 5-7 dwellings/acre	56	36	76	83.34	81.19	78.46	74.10	67.51	62.87		0.50	0.30	22.25	37.09	44.51	
	167.09		S31	C	Residential 5-7 dwellings/acre	69	50	86	108.84	106.05	102.38	96.06	84.92	74.14		0.50	0.25	25.06	41.77	50.13	
	7.77		S31	D	Residential 5-7 dwellings/acre	75	57	91	5.45	5.32	5.15	4.85	4.28	3.68		0.50	0.20	1.17	1.94	2.33	
	28.80		S31	A	Row Crops, Poor	72	53	89	11.63	10.80	9.71	1.57	0.21	0.00		1.00	0.40	8.64	14.40	17.28	
	3.32		S31	B	Row Crops, Poor	81	64	95	1.87	1.79	1.67	0.54	0.25	0.04		1.00	0.30	0.99	1.66	1.99	
	6.60		S31	C	Row Crops, Poor	88	75	98	4.68	4.55	4.36	2.11	1.35	0.65		1.00	0.25	1.98	3.30	3.96	
	1.34		S31	D	Row Crops, Poor	91	80	98	1.04	1.02	0.99	0.56	0.40	0.23		1.00	0.20	0.40	0.67	0.80	
	6.21		S31	B	School	56	36	76	3.01	2.91	2.78	2.58	2.28	2.11		0.60	0.30	1.12	1.86	2.24	
	11.04		S31	C	School	69	50	86	6.54	6.33	6.05	5.58	4.76	4.01		0.60	0.25	1.99	3.31	3.98	
	3.90		S31	D	School	75	57	91	2.54	2.47	2.37	2.20	1.88	1.56		0.60	0.20	0.70	1.17	1.40	
	51.85		S31	A	Turf, Good	33	17	53	0.10	0.00	0.10	0.00	0.00	0.00		1.00	0.40	15.55	25.92	31.11	
	114.80		S31	B	Turf, Good	58	38	77	23.00	20.06	16.40	10.74	3.10	0.00		1.00	0.30	34.44	57.40	68.88	
	33.86		S31	C	Turf, Good	72	53	89	13.67	12.70	11.41	9.23	5.51	2.24		1.00	0.25	10.16	16.93	20.32	
	0.44		S31	D	Turf, Good	79	62	93	0.23	0.22	0.20	0.18	0.12	0.07		1.00	0.20	0.13	0.22	0.26	
	33.60		S31	A	Woodland, Grass, Fair	44	26	64	1.93	1.41	0.85	0.00	0.00	0.00		1.00	0.40	10.08	16.80	20.16	
	26.08		S31	B	Woodland, Grass, Fair	65	45	83	7.69	6.96	6.01	0.23	0.00	0.00		1.00	0.30	7.82	13.04	15.65	
	48.80		S31	C	Woodland, Grass, Fair	77	59	92	23.94	22.58	20.76	5.24	1.72	0.02		1.00	0.25	14.64	24.40	29.28	
	1.07		S31	D	Woodland, Grass, Fair	82	66	95	0.63	0.60	0.56	0.20	0.09	0.02		1.00	0.20	0.32	0.54	0.64	
	1.50		S32	C	Barren	91	80	98	1.17	1.14	1.11	0.62	0.44	0.26		1.00	0.25	0.45	0.75	0.90	
	0.60		S32	C	Chaparral, Broadleaf, Fair	75	57	91	0.27	0.26	0.23	0.05	0.01	0.00		1.00	0.25	0.18	0.30	0.36	
	10.15		S32	B	Commercial, Industrial	56	36	76	8.84	8.77	8.68	8.51	8.18	7.74		0.10	0.30	0.30	0.51	0.61	
	0.33		S32	C	Commercial, Industrial	69	50	86	0.30	0.29	0.29	0.28	0.27	0.26		0.10	0.25	0.01	0.02	0.02	
	4.83		S32	D	Commercial, Industrial	75	57	91	4.34	4.30	4.26	4.17	3.98	3.73		0.10	0.20	0.14	0.24	0.29	
	8.06		S32	B	Condominiums	56	36	76	5.46	5.36	5.24	5.05	4.72	4.44		0.35	0.30	0.85	1.41	1.69	
	7.30		S32	C	Condominiums	69	50	86	5.40	5.31	5.18	4.96	4.55	4.12		0.35	0.25	0.77	1.28	1.53	
	0.90		S32	A	Fallow	77	59	92	0.44	0.42	0.38	0.10	0.03	0.00		1.00	0.40	0.27	0.45	0.54	
	1.13		S32	B	Fallow	86	72	97	0.75	0.73	0.69	0.30	0.18	0.07		1.00	0.30	0.34	0.56	0.68	
	3.76		S32	C	Fallow	91	80	98	2.92	2.86	2.77	1.56	1.11	0.65		1.00	0.25	1.13	1.88	2.26	
	2.57		S32	D	Fallow	94	85	99	2.18	2.15	2.10	1.38	1.08	0.75		1.00	0.20	0.77	1.28	1.54	
	0.13		S32	A	Grass, Annual or Perennial, Fair	50	31	70	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.04	0.07	0.08	
	75.47		S32	B	Grass, Annual or Perennial, Fair	69	50	86	26.82	24.64	21.81	2.31	0.04	0.00		1.00	0.30	22.64	37.74	45.28	
	143.60		S32	C	Grass, Annual or Perennial, Fair	79	62	93	75.74	71.85	66.61	19.12	7.50	0.62		1.00	0.25	43.08	71.80	86.16	
	7.85		S32	D	Grass, Annual or Perennial, Fair	84	69	96	4.91	4.72	4.46	1.73	0.93	0.29		1.00	0.20	2.36	3.93	4.71	
	25.40		S32	B	Open Brush, Fair	66	46	84	7.86	7.14	6.21	0.33	0.00	0.00		1.00	0.30	7.62	12.70	15.24	
	310.79		S32	C	Open Brush, Fair	77	59	92	152.45	143.79	132.22	33.38	10.98	0.15		1.00	0.25	93.24	155.39	186.47	
	7.06		S32	D	Open Brush, Fair	83	67	96	4.27	4.09	3.86	1.42	0.72	0.19		1.00	0.20	2.12	3.53	4.23	
	19.85		S32	B	Public Park	56	36	76	5.79	5.36	4.83	4.02	2.95	2.52		0.85	0.30	5.06	8.84	10.13	
	5.35		S32	C	Public Park	69	50	86	2.38	2.24	2.07	1.77	1.28	0.86		0.85	0.25	1.37	2.28	2.73	
	5.96		S32	D	Public Park	75	57	91	3.15	3.01	2.81	2.47	1.85	1.27		0.85	0.20	1.52	2.53	3.04	
	30.31		S32	C	Residential 2 dwellings/acre	69	50	86	16.16	15.50	14.65	13.20	10.74	8.55		0.70	0.25	6.37	10.61	12.73	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 133t)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC I/AMCII														
	1.81		S32	D	Residential 2 dwellings/acre	75	57	91	1.09	1.05	1.00	0.91	0.75	0.59		0.70	0.20	0.38	0.63	0.76			
	0.30		S32	A	Residential 3-4 dwellings/acre	32	17	52	0.12	0.11	0.11	0.11	0.11	0.10		0.60	0.40	0.05	0.09	0.11			
	71.64		S32	B	Residential 3-4 dwellings/acre	56	36	76	34.72	33.53	32.05	29.70	26.32	24.29		0.60	0.30	12.90	21.49	25.79			
	97.27		S32	C	Residential 3-4 dwellings/acre	69	50	86	57.60	55.74	53.30	49.14	41.94	35.30		0.60	0.25	17.51	29.18	35.02			
	10.38		S32	D	Residential 3-4 dwellings/acre	75	57	91	6.76	6.57	6.31	5.85	5.00	4.14		0.60	0.20	1.87	3.11	3.74			
	1.16		S32	A	Residential 5-7 dwellings/acre	32	17	52	0.55	0.55	0.55	0.54	0.52	0.49		0.50	0.40	0.17	0.29	0.35			
	61.61		S32	B	Residential 5-7 dwellings/acre	56	36	76	34.61	33.72	32.58	30.77	28.04	26.11		0.50	0.30	9.24	15.40	18.48			
	77.55		S32	C	Residential 5-7 dwellings/acre	69	50	86	50.52	49.22	47.52	44.59	39.41	34.41		0.50	0.25	11.63	19.39	23.27			
	18.29		S32	D	Residential 5-7 dwellings/acre	75	57	91	12.82	12.52	12.12	11.40	10.07	8.67		0.50	0.20	2.74	4.57	5.49			
	0.49		S32	A	Row Crops, Poor	72	53	89	0.20	0.18	0.16	0.03	0.00	0.00		1.00	0.40	0.15	0.24	0.29			
	0.02		S32	B	Row Crops, Poor	81	64	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01			
	2.90		S32	C	Row Crops, Poor	88	75	98	2.06	2.00	1.92	0.93	0.59	0.28		1.00	0.25	0.87	1.45	1.74			
	2.20		S32	D	Row Crops, Poor	91	80	98	1.71	1.67	1.62	0.91	0.65	0.38		1.00	0.20	0.66	1.10	1.32			
	3.35		S32	B	School	56	36	76	1.62	1.57	1.50	1.39	1.23	1.14		0.60	0.30	0.60	1.01	1.21			
	4.81		S32	C	School	69	50	86	2.85	2.76	2.64	2.43	2.08	1.75		0.60	0.25	0.87	1.44	1.73			
	5.12		S32	D	School	75	57	91	3.34	3.24	3.11	2.89	2.47	2.04		0.60	0.20	0.92	1.54	1.84			
	3.04		S32	A	Woodland, Grass, Fair	44	26	64	0.17	0.13	0.08	0.00	0.00	0.00		1.00	0.40	0.91	1.52	1.83			
	73.14		S32	B	Woodland, Grass, Fair	65	45	83	21.57	19.51	16.86	0.65	0.00	0.00		1.00	0.30	21.94	36.57	43.88			
	18.30		S32	C	Woodland, Grass, Fair	77	59	92	8.98	8.47	7.79	1.97	0.65	0.01		1.00	0.25	5.49	9.15	10.98			
	1.40		S32	D	Woodland, Grass, Fair	82	66	95	0.82	0.78	0.73	0.25	0.12	0.03		1.00	0.20	0.42	0.70	0.84			
	0.1	HZ-206	S33	A	Barren	78	61	93	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	2.6	HZ-206	S33	A	Open Brush, Fair	46	28	66	0.19	0.15	0.10	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56			
	3.1	HZ-206	S33	A	Row Crops, Poor	72	53	89	1.25	1.16	1.04	0.17	0.02	0.00		1.00	0.40	0.93	1.55	1.86			
	0.4	HZ-206	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24			
	0.2	HZ-206	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	13.8	HZ-206	S33	B	Open Brush, Fair	66	46	84	4.27	3.88	3.37	0.18	0.00	0.00		1.00	0.30	4.14	6.90	8.28			
	34.6	HZ-206	S33	B	Row Crops, Poor	81	64	95	19.57	18.67	17.44	5.67	2.57	0.45		1.00	0.30	10.38	17.30	20.76			
	2.4	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.71	0.64	0.55	0.02	0.00	0.00		1.00	0.30	0.72	1.20	1.44			
	22.6	HZ-206	S33	C	Open Brush, Fair	77	59	92	11.09	10.46	9.61	2.43	0.80	0.01		1.00	0.25	6.78	11.30	13.56			
	11.6	HZ-206	S33	C	Row Crops, Poor	88	75	98	8.23	8.00	7.67	3.71	2.38	1.13		1.00	0.25	3.48	5.80	6.96			
	0.4	HZ-206	S33	D	Apartments	75	57	91	0.34	0.34	0.33	0.32	0.30	0.28		0.20	0.20	0.02	0.04	0.05			
	4.8	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.71	2.59	2.42	0.79	0.36	0.06		1.00	0.20	1.44	2.40	2.88			
	1.6	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.00	0.96	0.91	0.35	0.19	0.06		1.00	0.20	0.48	0.80	0.96			
	46.4	HZ-206	S33	D	Open Brush, Fair	83	67	96	28.07	26.92	25.36	9.31	4.76	1.27		1.00	0.20	13.92	23.20	27.84			
	0.1	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	60.7	HZ-206	S33	D	Row Crops, Poor	91	80	98	47.16	46.15	44.73	25.24	18.00	10.54		1.00	0.20	18.21	30.35	36.42			
	5.8	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.39	3.25	3.05	1.06	0.51	0.11		1.00	0.20	1.74	2.90	3.48			
	0.2	HZ-207	S33	A	Barren	78	61	93	0.10	0.10	0.09	0.02	0.01	0.00		1.00	0.40	0.06	0.10	0.12			
	0.4	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24			
	0.8	HZ-207	S33	B	Barren	86	72	97	0.53	0.52	0.49	0.21	0.13	0.05		1.00	0.30	0.24	0.40	0.48			
	1.4	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.22	1.21	1.20	1.17	1.13	1.07		0.10	0.30	0.04	0.07	0.08			
	2.6	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.92	0.85	0.75	0.08	0.00	0.00		1.00	0.30	0.78	1.30	1.56			
	2.2	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.68	0.62	0.54	0.03	0.00	0.00		1.00	0.30	0.66	1.10	1.32			
	3.1	HZ-207	S33	B	Row Crops, Poor	81	64	95	1.75	1.67	1.56	0.51	0.23	0.04		1.00	0.30	0.93	1.55	1.86			
	3.4	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.00	0.91	0.78	0.03	0.00	0.00		1.00	0.30	1.02	1.70	2.04			
	0.5	HZ-207	S33	D	Barren	93	83	99	0.41	0.40	0.40	0.25	0.19	0.12		1.00	0.20	0.15	0.25	0.30			
	0.2	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.11	0.11	0.10	0.03	0.01	0.00		1.00	0.20	0.06	0.10	0.12			
	3.6	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.23	3.21	3.17	3.11	2.97	2.78		0.10	0.20	0.11	0.18	0.22			
	4	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.50	2.40	2.27	0.88	0.47	0.15		1.00	0.20	1.20	2.00	2.40			
	14.6	HZ-207	S33	D	Open Brush, Fair	83	67	96	8.83	8.47	7.98	2.93	1.50	0.40		1.00	0.20	4.38	7.30	8.76			
	6.3	HZ-207	S33	D	Row Crops, Poor	91	80	98	4.89	4.79	4.64	2.62	1.87	1.09		1.00	0.20	1.89	3.15	3.78			
	3.7	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.17	2.07	1.94	0.67	0.32	0.07		1.00	0.20	1.11	1.85	2.22			
	0.1	HZ-208	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.2	HZ-208	S33	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	5	HZ-208	S33	A	Woodland, Grass, Fair	44	26	64	0.29	0.21	0.13	0.00	0.00	0.00		1.00	0.40	1.50	2.50	3.00			
	3.2	HZ-208	S33	B	Commercial, Industrial	56	36	76	2.78	2.76	2.74	2.68	2.58	2.44		0.10	0.30	0.10	0.16	0.19			
	0.1	HZ-208	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.9	HZ-208	S33	B	Open Brush, Fair	66	46	84	0.28	0.25	0.22	0.01	0.00	0.00		1.00	0.30	0.27	0.45	0.54			
	0.3	HZ-208	S33	C	Apartments	69	50	86	0.25	0.25	0.24	0.24											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100	P ₂₄ (Inches)							5.63				
						AMC			AMC I/AMC II															
						II	I	III																
	33.9	HZ-208	S33	D	Commercial, Industrial	75	57	91	30.45	30.21	29.89	29.27	27.96	26.20		0.10	0.20	1.02	1.70	2.03				
	17.6	HZ-208	S33	D	Grass, Annual or Perennial, Fair	84	69	96	11.01	10.58	10.00	3.88	2.09	0.65		1.00	0.20	5.28	8.80	10.56				
	16.8	HZ-208	S33	D	Open Brush, Fair	83	67	96	10.16	9.75	9.18	3.37	1.72	0.46		1.00	0.20	5.04	8.40	10.08				
	0.6	HZ-208	S33	D	Residential 10+ dwellings/acre	75	57	91	0.51	0.50	0.50	0.48	0.45	0.42		0.20	0.20	0.04	0.06	0.07				
	1.5	HZ-208	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.13	1.10	1.08	1.03	0.93	0.82		0.40	0.20	0.18	0.30	0.36				
	10	HZ-208	S33	D	Row Crops, Poor	91	80	98	7.77	7.60	7.37	4.16	2.97	1.74		1.00	0.20	3.00	5.00	6.00				
	0.3	HZ-208	S33	D	School	75	57	91	0.20	0.19	0.18	0.17	0.14	0.12		0.60	0.20	0.05	0.09	0.11				
	0.7	HZ-208	S33	D	Woodland, Grass, Fair	82	66	95	0.41	0.39	0.37	0.13	0.06	0.01		1.00	0.20	0.21	0.35	0.42				
	0.2	HZ-31010	S33	B	Commercial, Industrial	56	36	76	0.17	0.17	0.17	0.17	0.16	0.15		0.10	0.30	0.01	0.01	0.01				
	0.1	HZ-31010	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.2	HZ-31010	S33	B	Orchards, Evergreen, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	3.7	HZ-31010	S33	C	Barren	91	80	98	2.87	2.81	2.73	1.54	1.10	0.64		1.00	0.25	1.11	1.85	2.22				
	0.3	HZ-31010	S33	C	Commercial, Industrial	69	50	86	0.27	0.26	0.26	0.26	0.24	0.23		0.10	0.25	0.01	0.02	0.02				
	3.2	HZ-31010	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.69	1.60	1.48	0.43	0.17	0.01		1.00	0.25	0.96	1.60	1.92				
	3.6	HZ-31010	S33	C	Woodland, Grass, Fair	77	59	92	1.77	1.67	1.53	0.39	0.13	0.00		1.00	0.25	1.08	1.80	2.16				
	1.9	HZ-31010	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.19	1.14	1.08	0.42	0.23	0.07		1.00	0.20	0.57	0.95	1.14				
	0.6	HZ-31010	S33	D	Woodland, Grass, Fair	82	66	95	0.35	0.34	0.32	0.11	0.05	0.01		1.00	0.20	0.18	0.30	0.36				
	0.3	HZ-31010.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18				
	0.8	HZ-31010.2	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48				
	0.5	HZ-31010.2	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.26	0.25	0.23	0.07	0.03	0.00		1.00	0.25	0.15	0.25	0.30				
	0.2	HZ-31010.2	S33	C	Woodland, Grass, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12				
	0.3	HZ-31010.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.19	0.18	0.17	0.07	0.04	0.01		1.00	0.20	0.09	0.15	0.18				
	0.3	HZ-31100	S33	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18				
	0.5	HZ-31100	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30				
	0.3	HZ-31100	S33	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18				
	0.1	HZ-31101	S33	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06				
	0.5	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30				
	0.7	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.42	0.41	0.38	0.14	0.07	0.02		1.00	0.20	0.21	0.35	0.42				
	0.1	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06				
	0.3	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.17	0.16	0.15	0.05	0.02	0.00		1.00	0.20	0.09	0.15	0.18				
	1.9	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.15	1.10	1.04	0.38	0.19	0.05		1.00	0.20	0.57	0.95	1.14				
	1.1	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66				
	2.5	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.51	1.45	1.37	0.50	0.26	0.07		1.00	0.20	0.75	1.25	1.50				
	0.7	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.32	0.30	0.27	0.06	0.02	0.00		1.00	0.25	0.21	0.35	0.42				
	3	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.47	1.39	1.28	0.32	0.11	0.00		1.00	0.25	0.90	1.50	1.80				
	0.6	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36				
	2.1	HZ-31104	S33	D	Open Brush, Fair	83	67	96	1.27	1.22	1.15	0.42	0.22	0.06		1.00	0.20	0.63	1.05	1.26				
	0.6	HZ-31105	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.16	0.14	0.12	0.00	0.00	0.00		1.00	0.30	0.18	0.30	0.36				
	0.1	HZ-31105	S33	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	2.8	HZ-31105	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.27	1.19	1.09	0.24	0.06	0.00		1.00	0.25	0.84	1.40	1.68				
	2.6	HZ-31105	S33	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00		1.00	0.25	0.78	1.30	1.56				
	0.6	HZ-31105	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36				
	4.1	HZ-31105	S33	D	Open Brush, Fair	83	67	96	2.48	2.38	2.24	0.82	0.42	0.11		1.00	0.20	1.23	2.05	2.46				
	0.8	HZ-31106	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.21	0.19	0.16	0.00	0.00	0.00		1.00	0.30	0.24	0.40	0.48				
	1.5	HZ-31106	S33	B	Open Brush, Fair	66	46	84	0.46	0.42	0.37	0.02	0.00	0.00		1.00	0.30	0.45	0.75	0.90				
	1.9	HZ-31106	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.86	0.81	0.74	0.16	0.04	0.00		1.00	0.25	0.57	0.95	1.14				
	8.2	HZ-31106	S33	C	Open Brush, Fair	77	59	92	4.02	3.79	3.49	0.88	0.29	0.00		1.00	0.25	2.46	4.10	4.92				
	2.7	HZ-31106	S33	D	Open Brush, Fair	83	67	96	1.63	1.57	1.48	0.54	0.28	0.07		1.00	0.20	0.81	1.35	1.62				
	0.5	HZ-31107	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.13	0.12	0.10	0.00	0.00	0.00		1.00	0.30	0.15	0.25	0.30				
	1.1	HZ-31107	S33	B	Open Brush, Fair	66	46	84	0.34	0.31	0.27	0.01	0.00	0.00		1.00	0.30	0.33	0.55	0.66				
	6.5	HZ-31107	S33	C	Chaparral, Broadleaf, Fair	75	57	91	2.96	2.77	2.53	0.55	0.14	0.00		1.00	0.25	1.95	3.25	3.90				
	5.5	HZ-31107	S33	C	Open Brush, Fair	77	59	92	2.70	2.54	2.34	0.59	0.19	0.00		1.00	0.25	1.65	2.75	3.30				
	1.3	HZ-31107	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.74	0.70	0.66	0.21	0.10	0.02		1.00	0.20	0.39	0.65	0.78				
	3.4	HZ-31107	S33	D	Open Brush, Fair	83	67	96	2.06	1.97	1.86	0.68	0.35	0.09		1.00	0.20	1.02	1.70	2.04				
	0.7	HZ-31108	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.19	0.17	0.14	0.00	0.00	0.00		1.00	0.30	0.21	0.35	0.42				
	2.2	HZ-31108	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.78	0.72	0.64	0.07	0.00	0.00		1.00	0.30	0.66	1.10	1.32				
	3.1	HZ-31108	S33	B	Open Brush, Fair	66	46	84	0.96	0.87	0.76	0.04	0.00	0.00		1.00	0.30	0.93	1.55	1.86				
	0.9	HZ-31108	S33	B	Woodland, Grass, Fair	65	45	83	0.27	0.24	0.21	0.01	0.00	0.00		1.00	0.30	0.27	0.45	0.54				
	7.4	HZ-31108	S33	C	Chaparral, Broadleaf, Fair	75	57	91	3.37	3.16	2.88	0.62	0.16	0.00		1.00	0.25	2.22	3.70	4.44				
	0.3	HZ-31108	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.16	0.15	0.14	0.04	0.02	0.00		1.00	0.25	0.09	0.15	0.18				
	11.4	HZ-31108	S33	C	Open Brush, Fair	77	59	92	5.59	5.27	4.85	1.22	0.40	0.01		1.00	0.25	3.42	5.70	6.84				
	8.9	HZ-31108	S33	C</																				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 133T)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III					AMC I/AMC II										

	1.5	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.68	0.64	0.58	0.13	0.03	0.00		1.00	0.25	0.45	0.75	0.90	
	0.3	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.16	0.15	0.14	0.04	0.02	0.00		1.00	0.25	0.09	0.15	0.18	
	9.6	HZ-31109	S33	C	Open Brush, Fair	77	59	92	4.71	4.44	4.08	1.03	0.34	0.00		1.00	0.25	2.88	4.80	5.76	
	0.4	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22	
	6.2	HZ-31109	S33	C	Row Crops, Poor	88	75	98	4.40	4.27	4.10	1.98	1.27	0.61		1.00	0.25	1.86	3.10	3.72	
	3.9	HZ-31109	S33	C	Woodland, Grass, Fair	77	59	92	1.91	1.80	1.66	0.42	0.14	0.00		1.00	0.25	1.17	1.95	2.34	
	1.4	HZ-31109	S33	D	Row Crops, Poor	91	80	98	1.09	1.06	1.03	0.58	0.42	0.24		1.00	0.20	0.42	0.70	0.84	
	4.9	HZ-31110	S33	A	Barren	78	61	93	2.49	2.36	2.18	0.59	0.21	0.01		1.00	0.40	1.47	2.45	2.94	
	1.5	HZ-31110	S33	A	Row Crops, Poor	72	53	89	0.61	0.56	0.51	0.08	0.01	0.00		1.00	0.40	0.45	0.75	0.90	
	0.6	HZ-31110	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32	
	2.5	HZ-31110	S33	B	Row Crops, Poor	81	64	95	1.41	1.35	1.26	0.41	0.19	0.03		1.00	0.30	0.75	1.25	1.50	
	5.3	HZ-31110	S33	C	Row Crops, Poor	88	75	98	3.76	3.65	3.50	1.70	1.09	0.52		1.00	0.25	1.59	2.65	3.18	
	3.3	HZ-31110	S33	D	Row Crops, Poor	91	80	98	2.56	2.51	2.43	1.37	0.98	0.57		1.00	0.20	0.99	1.65	1.98	
	1.3	HZ-31111	S33	A	Barren	78	61	93	0.66	0.63	0.58	0.16	0.06	0.00		1.00	0.40	0.39	0.65	0.78	
	0.2	HZ-31111	S33	A	Commercial, Industrial	32	17	52	0.17	0.17	0.17	0.17	0.16	0.15		0.10	0.40	0.01	0.01	0.01	
	5.3	HZ-31111	S33	A	Row Crops, Poor	72	53	89	2.14	1.99	1.79	0.29	0.04	0.00		1.00	0.40	1.59	2.65	3.18	
	0.3	HZ-31111	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18	
	0.2	HZ-31111	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	0.6	HZ-31111	S33	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36	
	4.3	HZ-31111	S33	B	Row Crops, Poor	81	64	95	2.43	2.32	2.17	0.71	0.32	0.06		1.00	0.30	1.29	2.15	2.58	
	0.8	HZ-31111	S33	B	Woodland, Grass, Fair	65	45	83	0.24	0.21	0.18	0.01	0.00	0.00		1.00	0.30	0.24	0.40	0.48	
	1.1	HZ-31111	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.50	0.47	0.43	0.09	0.02	0.00		1.00	0.25	0.33	0.55	0.66	
	6.9	HZ-31111	S33	C	Open Brush, Fair	77	59	92	3.38	3.19	2.94	0.74	0.24	0.00		1.00	0.25	2.07	3.45	4.14	
	7.9	HZ-31111	S33	C	Row Crops, Poor	88	75	98	5.61	5.45	5.22	2.53	1.62	0.77		1.00	0.25	2.37	3.95	4.74	
	1	HZ-31111	S33	C	Woodland, Grass, Fair	77	59	92	0.49	0.46	0.43	0.11	0.04	0.00		1.00	0.25	0.30	0.50	0.60	
	0.4	HZ-31111	S33	D	Open Brush, Fair	83	67	96	0.24	0.23	0.22	0.08	0.04	0.01		1.00	0.20	0.12	0.20	0.24	
	14.6	HZ-31111	S33	D	Row Crops, Poor	91	80	98	11.34	11.10	10.76	6.07	4.33	2.54		1.00	0.20	4.38	7.30	8.76	
	13.8	HZ-31112	S33	A	Barren	78	61	93	7.02	6.64	6.13	1.66	0.60	0.03		1.00	0.40	4.14	6.90	8.28	
	2.6	HZ-31112	S33	B	Barren	86	72	97	1.73	1.68	1.60	0.69	0.41	0.16		1.00	0.30	0.78	1.30	1.56	
	1.1	HZ-31112	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07	
	3.5	HZ-31112	S33	B	Residential 2.5 acre lots	56	36	76	0.89	0.81	0.71	0.56	0.37	0.30		0.90	0.30	0.95	1.58	1.89	
	6.9	HZ-31112	S33	B	Row Crops, Poor	81	64	95	3.90	3.72	3.48	1.13	0.51	0.09		1.00	0.30	2.07	3.45	4.14	
	0.2	HZ-31112	S33	C	Barren	91	80	98	0.16	0.15	0.15	0.08	0.06	0.03		1.00	0.25	0.06	0.10	0.12	
	0.1	HZ-31112	S33	C	Row Crops, Poor	88	75	98	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.05	0.06	
	0.1	HZ-31112	S33	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01	
	2.4	HZ-31112	S33	D	Residential 2.5 acre lots	75	57	91	1.21	1.15	1.06	0.92	0.66	0.42		0.90	0.20	0.65	1.08	1.30	
	0.5	HZ-31112	S33	D	Row Crops, Poor	91	80	98	0.39	0.38	0.37	0.21	0.15	0.09		1.00	0.20	0.15	0.25	0.30	
	0.5	HZ-31113	S33	A	Barren	78	61	93	0.25	0.24	0.22	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.30	
	0.3	HZ-31113	S33	A	Commercial, Industrial	32	17	52	0.26	0.25	0.25	0.25	0.24	0.23		0.10	0.40	0.01	0.02	0.02	
	0.2	HZ-31113	S33	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12	
	0.8	HZ-31113	S33	A	Residential 2.5 acre lots	32	17	52	0.08	0.08	0.08	0.07	0.07	0.07		0.90	0.40	0.22	0.36	0.43	
	1.6	HZ-31113	S33	A	Row Crops, Poor	72	53	89	0.65	0.60	0.54	0.09	0.01	0.00		1.00	0.40	0.48	0.80	0.96	
	31.9	HZ-31113	S33	B	Barren	86	72	97	21.27	20.56	19.58	8.49	5.01	1.99		1.00	0.30	9.57	15.95	19.14	
	1.7	HZ-31113	S33	B	Commercial, Industrial	56	36	76	1.48	1.47	1.45	1.43	1.37	1.30		0.10	0.30	0.05	0.09	0.10	
	0.3	HZ-31113	S33	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.00	0.00	0.00		1.00	0.30	0.09	0.15	0.18	
	2.6	HZ-31113	S33	B	Residential 2.5 acre lots	56	36	76	0.66	0.60	0.53	0.42	0.27	0.22		0.90	0.30	0.70	1.17	1.40	
	5.5	HZ-31113	S33	B	Row Crops, Poor	81	64	95	3.11	2.97	2.77	0.90	0.41	0.07		1.00	0.30	1.65	2.75	3.30	
	0.2	HZ-31113	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	0.2	HZ-31113	S33	C	Open Brush, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12	
	1.3	HZ-31113	S33	C	Residential 2.5 acre lots	69	50	86	0.54	0.50	0.46	0.38	0.26	0.16		0.90	0.25	0.35	0.59	0.70	
	0.3	HZ-31113	S33	D	Barren	93	83	99	0.25	0.24	0.24	0.15	0.11	0.07		1.00	0.20	0.09	0.15	0.18	
	0.2	HZ-31113	S33	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15		0.10	0.20	0.01	0.01	0.01	
	0.3	HZ-31113	S33	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18	
	6.5	HZ-31113	S33	D	Residential 2.5 acre lots	75	57	91	3.28	3.11	2.88	2.49	1.80	1.14		0.90	0.20	1.76	2.93	3.51	
	3	HZ-31113	S33	D	Row Crops, Poor	91	80	98	2.33	2.28	2.21	1.25	0.89	0.52		1.00	0.20	0.90	1.50	1.80	
	1.2	HZ-31113.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.13	0.11	0.08	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72	
	0.5	HZ-31113.2	S33	A	Open Brush, Fair	46	28	66	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30	
	1.7	HZ-31113.2	S33	A	Public Park	32	17	52	0.24	0.24	0.24	0.24	0.23	0.22		0.85	0.40	0.43	0.72	0.87	
	7.2	HZ-31113.2	S33	A	Woodland, Grass, Fair	44	26	64	0.41	0.30	0.18	0.00	0.00	0.00		1.00	0.40	2.16	3.60	4.32	
	1	HZ-31113.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.63	0.60	0.57	0.22	0.12	0.04		1.00	0.20	0.30	0.50	0.60	
	7.8	HZ-31114	S33	A	Barren	78	61	93	3.97	3.75	3.47	0.94	0.34	0.01		1.00	0.40	2.34	3.90	4.68	
	1.7	HZ-31114	S33	A	Row Crops, Poor	72	53	89	0.69	0.64	0.57	0.09	0.01	0.00		1.00	0.40	0.51	0.85	1.02	
	9.4	HZ-31114	S33	B	Barren	86	72	97	6.27	6.06	5.77	2.50	1.48	0.59		1.00	0.30	2.82	4.70	5.64	
	1.2	HZ-31114	S33	B	Open Brush, Fair	66	46	84	0.37	0.34	0.29	0.02	0.00	0.00		1.00	0.30	0.36	0.60	0.72	
	0.1	HZ-31114	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05	
	2.6	HZ-31114	S33	B	Row Crops, Poor	81	64	95	1.47	1.40	1.31	0.43	0.19	0.03		1.00	0.30	0.78	1.30	1.56	
	0.2	HZ-31114	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	0.3	HZ-31114	S33	C	Open Brush, Fair	77	59	92	0.15	0.14											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 133t)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III					AMC I/AMCII										

	0.9	S33-05.5	S33	D	Row Crops, Poor	91	80	98	0.70	0.68	0.66	0.37	0.27	0.16		1.00	0.20	0.27	0.45	0.54	
	1.7	S33-05.6	S33	B	Barren	86	72	97	1.13	1.10	1.04	0.45	0.27	0.11		1.00	0.30	0.51	0.85	1.02	
	0.6	S33-05.6	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.21	0.20	0.17	0.02	0.00	0.00		1.00	0.30	0.18	0.30	0.36	
	0.1	S33-05.6	S33	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.4	S33-05.6	S33	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.09	0.00	0.00	0.00		1.00	0.30	0.12	0.20	0.24	
	2.2	S33-05.6	S33	C	Barren	91	80	98	1.71	1.67	1.62	0.91	0.65	0.38		1.00	0.25	0.66	1.10	1.32	
	4.2	S33-05.6	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.22	2.10	1.95	0.56	0.22	0.02		1.00	0.25	1.26	2.10	2.52	
	8.1	S33-05.6	S33	C	Open Brush, Fair	77	59	92	3.97	3.75	3.45	0.87	0.29	0.00		1.00	0.25	2.43	4.05	4.86	
	2.3	S33-05.6	S33	C	Woodland, Grass, Fair	77	59	92	1.13	1.06	0.98	0.25	0.08	0.00		1.00	0.25	0.69	1.15	1.38	
	0.2	S33-05.6	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.13	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12	
	6.9	S33-05.6	S33	D	Open Brush, Fair	83	67	96	4.17	4.00	3.77	1.39	0.71	0.19		1.00	0.20	2.07	3.45	4.14	
	0.7	S33-05.6	S33	D	Woodland, Grass, Fair	82	66	95	0.41	0.39	0.37	0.13	0.06	0.01		1.00	0.20	0.21	0.35	0.42	
	0.4	S33-06	S33	B	Barren	86	72	97	0.27	0.26	0.25	0.11	0.06	0.02		1.00	0.30	0.12	0.20	0.24	
	9.2	S33-06	S33	B	Grass, Annual or Perennial, Fair	69	50	86	3.27	3.00	2.66	0.28	0.00	0.00		1.00	0.30	2.76	4.60	5.52	
	1	S33-06	S33	B	Open Brush, Fair	66	46	84	0.31	0.28	0.24	0.01	0.00	0.00		1.00	0.30	0.30	0.50	0.60	
	1.3	S33-06	S33	B	Woodland, Grass, Fair	65	45	83	0.38	0.35	0.30	0.01	0.00	0.00		1.00	0.30	0.39	0.65	0.78	
	2.4	S33-06	S33	C	Barren	91	80	98	1.86	1.82	1.77	1.00	0.71	0.42		1.00	0.25	0.72	1.20	1.44	
	4.1	S33-06	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.87	1.75	1.59	0.35	0.09	0.00		1.00	0.25	1.23	2.05	2.46	
	19.2	S33-06	S33	C	Grass, Annual or Perennial, Fair	79	62	93	10.13	9.61	8.91	2.56	1.00	0.08		1.00	0.25	5.76	9.60	11.52	
	20.9	S33-06	S33	C	Open Brush, Fair	77	59	92	10.25	9.67	8.89	2.24	0.74	0.01		1.00	0.25	6.27	10.45	12.54	
	4.1	S33-06	S33	C	Woodland, Grass, Fair	77	59	92	2.01	1.90	1.74	0.44	0.14	0.00		1.00	0.25	1.23	2.05	2.46	
	0.5	S33-06	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30	
	4.3	S33-06	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.69	2.59	2.44	0.95	0.51	0.16		1.00	0.20	1.29	2.15	2.58	
	0.6	S33-06	S33	D	Open Brush, Fair	83	67	96	0.36	0.35	0.33	0.12	0.06	0.02		1.00	0.20	0.18	0.30	0.36	
	0.8	S33-06	S33	D	Woodland, Grass, Fair	82	66	95	0.47	0.45	0.42	0.15	0.07	0.02		1.00	0.20	0.24	0.40	0.48	
PA3 Line A	1.1	OA-1	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66	
PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.41	0.38	0.35	0.08	0.02	0.00		1.00	0.25	0.27	0.45	0.54	
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00		1.00	0.25	0.78	1.30	1.56	
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08		0.90	0.25	0.19	0.32	0.38	
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.39	0.33	0.22	0.13		0.90	0.25	0.30	0.50	0.59	
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77		0.10	0.25	0.03	0.05	0.06	
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07	
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.08	0.07	0.06	0.05	0.03	0.03		0.90	0.30	0.08	0.14	0.16	
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	5.86	5.82	5.75	5.63	5.39	5.06		0.10	0.25	0.20	0.33	0.40	
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.70	0.64	0.53	0.36	0.22		0.90	0.25	0.49	0.81	0.97	
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04	
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.46	3.44	3.40	3.33	3.18	2.99		0.10	0.25	0.12	0.20	0.23	
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10	
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.27	0.18	0.11		0.90	0.25	0.24	0.41	0.49	
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04	
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15	
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.06	0.04	0.03		0.90	0.30	0.11	0.18	0.22	
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.83		0.10	0.25	0.15	0.25	0.30	
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	0.93	0.88	0.81	0.69	0.50	0.34		0.85	0.25	0.54	0.89	1.07	
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10		0.90	0.25	0.22	0.36	0.43	
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.62	1.60	1.59	1.55	1.48	1.39		0.10	0.20	0.05	0.09	0.11	
PA3 Line A	2.8	A-5	S33	B	Commercial, Industrial	56	36	76	2.44	2.42	2.39	2.35	2.26	2.14		0.10	0.30	0.08	0.14	0.17	
PA3 Line A	7.6	A-5	S33	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83		0.10	0.25	0.23	0.38	0.46	
PA3 Line A	0.4	A-5	S33	C	Public Park	69	50	86	0.18	0.17	0.15	0.13	0.10	0.06		0.85	0.25	0.10	0.17	0.20	
PA3 Line A	10.5	A-5	S33	D	Commercial, Industrial	75	57	91	9.43	9.36	9.26	9.07	8.66	8.11		0.10	0.20	0.32	0.53	0.63	
PA3 Line A	0.3	A-5	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16	
PA3 Line A	6.8	A-6	S33	B	Commercial, Industrial	56	36	76	5.92	5.87	5.81	5.70	5.48	5.19		0.10	0.30	0.20	0.34	0.41	
PA3 Line A	12.1	A-6	S33	C	Commercial, Industrial	69	50	86	10.75	10.66	10.55	10.33	9.88	9.28		0.10	0.25	0.36	0.61	0.73	
PA3 Line A	1	A-6	S33	C	Public Park	69	50	86	0.44	0.42	0.39	0.33	0.24	0.16		0.85	0.25	0.26	0.43	0.51	
PA3 Line A	4.5	A-6	S33	D	Commercial, Industrial	75	57	91	4.04	4.01	3.97	3.89	3.71	3.48		0.10	0.20	0.14	0.23	0.27	
PA3 Line A	3.4	A-8	S33	B	Commercial, Industrial	56	36	76	2.96	2.94	2.91	2.85	2.74	2.59		0.10	0.30	0.10	0.17	0.20	
PA3 Line A	6.7	A-8	S33	C	Commercial, Industrial	69	50	86	5.95	5.90	5.84	5.72	5.47	5.14		0.10	0.25	0.20	0.34	0.40	
PA3 Line A	0.1	A-8	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05	
PA3 Line A	2.5	A-8	S33	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93		0.10	0.20	0.08	0.13	0.15	
PA3 Line A	7.2	A-7	S33	B	Commercial, Industrial	56	36	76	6.27	6.22	6.16	6.04	5.80	5.49		0.10	0.30	0.22	0.36	0.43	
PA3 Line A	0.7	A-7	S33	B	Public Park	56	36	76	0.20	0.19	0.17	0.14	0.10	0.09		0.85	0.30	0.18	0.30	0.36	
PA3 Line A	7.6	A-7	S33	C	Commercial, Industrial	69	50	86	6.75</												

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100	50	25	10								5	2
						AMC			P ₂₄ (Inches)												5.63						
						II	I	III																			
																						Storm Event (Year)					
																						EV				HC	
																						> 5	5	2	All		
PA3 Line A	0.4	A-9	S33	B	Apartments	56	36	76	0.32	0.31	0.31	0.30	0.29	0.27		0.20	0.30	0.02	0.04	0.05							
PA3 Line A	5.5	A-9	S33	C	Apartments	69	50	86	4.56	4.51	4.44	4.31	4.07	3.77		0.20	0.25	0.33	0.55	0.66							
PA3 Line A	3.2	A-9	S33	D	Apartments	75	57	91	2.72	2.69	2.65	2.57	2.42	2.23		0.20	0.20	0.19	0.32	0.38							
PA3 Line A	0.4	A-10	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22							
PA3 Line A	0.3	A-10	S33	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02							
PA3 Line A	1.3	A-10	S33	D	Public Park	75	57	91	0.69	0.66	0.61	0.54	0.40	0.28		0.85	0.20	0.33	0.55	0.66							
PA3 Line A	1	A-10	S33	D	Residential 2.5 acre lots	75	57	91	0.50	0.48	0.44	0.38	0.28	0.18		0.90	0.20	0.27	0.45	0.54							
PA3 Line A	2.3	A-11	S33	C	Commercial, Industrial	69	50	86	2.04	2.03	2.00	1.96	1.88	1.76		0.10	0.25	0.07	0.12	0.14							
PA3 Line A	0.3	A-11	S33	C	Residential 2.5 acre lots	69	50	86	0.12	0.12	0.11	0.09	0.06	0.04		0.90	0.25	0.08	0.14	0.16							
PA3 Line A	1	A-11	S33	D	Commercial, Industrial	75	57	91	0.90	0.89	0.88	0.86	0.82	0.77		0.10	0.20	0.03	0.05	0.06							
PA3 Line A	0.3	A-11	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16							
PA3 Line A	5	A-12	S33	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.83		0.10	0.25	0.15	0.25	0.30							
PA3 Line A	2.2	A-12	S33	C	Residential 2.5 acre lots	69	50	86	0.91	0.85	0.78	0.65	0.44	0.27		0.90	0.25	0.59	0.99	1.19							
PA3 Line A	1	A-12	S33	D	Commercial, Industrial	75	57	91	0.90	0.89	0.88	0.86	0.82	0.77		0.10	0.20	0.03	0.05	0.06							
PA3 Line A	0.3	A-12	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16							
PA3 Line A	1.6	A-13	S33	C	Commercial, Industrial	69	50	86	1.42	1.41	1.39	1.37	1.31	1.23		0.10	0.25	0.05	0.08	0.10							
PA3 Line A	0.2	A-13	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10							
PA3 Line A	1.1	A-13	S33	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.39	0.33	0.22	0.13		0.90	0.25	0.30	0.50	0.59							
PA3 Line A	9	A-14	S33	C	Commercial, Industrial	69	50	86	7.99	7.93	7.84	7.68	7.35	6.90		0.10	0.25	0.27	0.45	0.54							
PA3 Line A	1.9	A-14	S33	C	Public Park	69	50	86	0.84	0.80	0.73	0.63	0.45	0.31		0.85	0.25	0.48	0.81	0.97							
PA3 Line A	2.7	A-14	S33	C	Residential 2.5 acre lots	69	50	86	1.12	1.05	0.96	0.80	0.54	0.33		0.90	0.25	0.73	1.22	1.46							
PA3 Line A	4.1	A-14	S33	D	Commercial, Industrial	75	57	91	3.68	3.65	3.61	3.54	3.38	3.17		0.10	0.20	0.12	0.21	0.25							
PA3 Line A	0.3	A-14	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16							
PA3 Line A	4.5	A-15	S33	C	Commercial, Industrial	69	50	86	4.00	3.97	3.92	3.84	3.67	3.45		0.10	0.25	0.14	0.23	0.27							
PA3 Line A	1.2	A-15	S33	C	Public Park	69	50	86	0.53	0.50	0.46	0.40	0.29	0.19		0.85	0.25	0.31	0.51	0.61							
PA3 Line A	3.8	A-15	S33	C	Residential 2.5 acre lots	69	50	86	1.58	1.48	1.34	1.13	0.76	0.46		0.90	0.25	1.03	1.71	2.05							
PA3 Line A	5.3	OA-3	S33	C	Open Brush, Fair	77	59	92	2.60	2.45	2.25	0.57	0.19	0.00		1.00	0.25	1.59	2.65	3.18							
PA3 Line A	0.3	OA-3	S33	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18							
PA3 Line A	3.4	A-16	S33	B	Commercial, Industrial	56	36	76	2.96	2.94	2.91	2.85	2.74	2.59		0.10	0.30	0.10	0.17	0.20							
PA3 Line A	11	A-16	S33	C	Commercial, Industrial	69	50	86	9.77	9.69	9.59	9.39	8.98	8.43		0.10	0.25	0.33	0.55	0.66							
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.80	0.75	0.70	0.60	0.43	0.29		0.85	0.25	0.46	0.77	0.92							
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18		0.90	0.25	0.41	0.68	0.81							
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.87	2.85	2.82	2.76	2.64	2.47		0.10	0.20	0.10	0.16	0.19							
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.70	2.68	2.65	2.60	2.50	2.36		0.10	0.30	0.09	0.16	0.19							
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.41	0.38	0.34	0.28	0.21	0.18		0.85	0.30	0.36	0.60	0.71							
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.28	0.25	0.22	0.18	0.12	0.09		0.90	0.30	0.30	0.50	0.59							
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.53	4.49	4.45	4.35	4.16	3.91		0.10	0.25	0.15	0.26	0.31							
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	0.84	0.80	0.73	0.63	0.45	0.31		0.85	0.25	0.48	0.81	0.97							
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.49	1.40	1.27	1.07	0.72	0.43		0.90	0.25	0.97	1.62	1.94							
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.43	2.41	2.38	2.33	2.23	2.09		0.10	0.20	0.08	0.14	0.16							
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05							
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.25	0.24	0.22	0.19	0.14	0.09		0.90	0.20	0.14	0.23	0.27							
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07							
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.20	3.17	3.14	3.07	2.94	2.76		0.10	0.25	0.11	0.18	0.22							
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38		0.10	0.25	0.02	0.03	0.03							
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10							
PA3 Line A	2.7	A-20	S33	C	Residential 10+ dwellings/acre	69	50	86	2.24	2.21	2.18	2.12	2.00	1.85		0.20	0.25	0.16	0.27	0.32							
PA3 Line A	1.4	A-20	S33	C	Residential 2.5 acre lots	69	50	86	0.58	0.54	0.50	0.41	0.28	0.17		0.90	0.25	0.38	0.63	0.76							
PA3 Line A	0.1	A-20	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05							
PA3 Line A	1.3	A-20	S33	D	Residential 10+ dwellings/acre	75	57	91	1.10	1.09	1.07	1.04	0.98	0.91		0.20	0.20	0.08	0.13	0.16							
PA3 Line A	0.2	A-20	S33	D	Residential 2.5 acre lots	75	57	91	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.20	0.05	0.09	0.11							
PA3 Line A	5.4	A-21	S33	C	Residential 10+ dwellings/acre	69	50	86	4.48	4.43	4.36	4.23	3.99	3.70		0.20	0.25	0.32	0.54	0.65							
PA3 Line A	2.4	A-21	S33	C	Residential 2.5 acre lots	69	50	86	0.99	0.93	0.85	0.71	0.48	0.29		0.90	0.25	0.65	1.08	1.30							
PA3 Line A	0.7	A-21	S33	C	Commercial, Industrial	69	50	86	0.62	0.62	0.61	0.60	0.57	0.54		0.10	0.25	0.02	0.04	0.04							
PA3 Line A	0.6	A-21	S33	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.23	0.17	0.11		0.90	0.20	0.16	0.27	0.32							
PA3 Line A	7.6	A-22	S33	C	Apartments	69	50	86	6.30	6.23	6.13	5.96	5.62	5.21		0.20	0.25	0.46	0.76	0.91							
PA3 Line A	1.4	A-22	S33	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.14	1.07		0.10	0.25	0.04	0.07	0.08							
PA3 Line A	2.3	A-22	S33	C	Residential 10+ dwellings/acre	69	50	86	1.91	1.89	1.86	1.80	1.70	1.58		0.20	0.25	0.14	0.23	0.28							
PA3 Line A	6.5	A-22	S33	C	Residential 2.5 acre lots	69	50	86	2.69	2.52	2.30	1.92	1.30	0.78		0.90	0.25	1.76	2.93	3.51							
PA3 Line A	8.4	A-22	S33	C	Residential 3-4 dwellings/acre	69	50	86	4.97	4.81	4.60	4.24	3.62	3.05		0.60	0.25	1.51	2.52	3.02							
PA3 Line A	0.5	A-22	S33	D	Apartments	75	57	91	0.42	0.42	0.41	0.40	0.38	0.35		0.20	0.20	0.03	0.05	0.06							
PA3 Line A	0.3	A-22	S33	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02							
PA3 Line A</																											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC I/AMCII														

PA3 Line A	2.1	A-23	S33	D	Commercial, Industrial	75	57	91	1.89	1.87	1.85	1.81	1.73	1.62		0.10	0.20	0.06	0.11	0.13	
PA3 Line A	0.6	A-23	S33	D	Public Park	75	57	91	0.32	0.30	0.28	0.25	0.19	0.13		0.85	0.20	0.15	0.26	0.31	
PA3 Line A	0.2	A-23	S33	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14		0.20	0.20	0.01	0.02	0.02	
PA3 Line A	0.5	A-25	S33	C	Apartments	69	50	86	0.41	0.41	0.40	0.39	0.37	0.34		0.20	0.25	0.03	0.05	0.06	
PA3 Line A	1.2	A-25	S33	C	Commercial, Industrial	69	50	86	1.07	1.06	1.05	1.02	0.98	0.92		0.10	0.25	0.04	0.06	0.07	
PA3 Line A	1.2	A-25	S33	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.14		0.90	0.25	0.32	0.54	0.65	
PA3 Line A	0.1	A-25	S33	D	Apartments	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
PA3 Line A	1.6	A-25	S33	D	Commercial, Industrial	75	57	91	1.44	1.43	1.41	1.38	1.32	1.24		0.10	0.20	0.05	0.08	0.10	
PA3 Line A	3	A-25	S33	D	Residential 2.5 acre lots	75	57	91	1.51	1.43	1.33	1.15	0.83	0.53		0.90	0.20	0.81	1.35	1.62	
PA3 Line A	1.9	A-25.1	S33	C	Apartments	69	50	86	1.58	1.56	1.53	1.49	1.40	1.30		0.20	0.25	0.11	0.19	0.23	
PA3 Line A	0.6	A-25.1	S33	C	Residential 2.5 acre lots	69	50	86	0.25	0.23	0.21	0.18	0.12	0.07		0.90	0.25	0.16	0.27	0.32	
PA3 Line A	0.3	A-25.1	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.18	0.17	0.16	0.15	0.13	0.11		0.60	0.25	0.05	0.09	0.11	
PA3 Line A	5	A-25.1	S33	D	Apartments	75	57	91	4.24	4.20	4.13	4.02	3.78	3.49		0.20	0.20	0.30	0.50	0.60	
PA3 Line A	2.3	A-25.1	S33	D	Public Park	75	57	91	1.22	1.16	1.08	0.95	0.72	0.49		0.85	0.20	0.59	0.98	1.17	
PA3 Line A	3.5	A-25.1	S33	D	Residential 2.5 acre lots	75	57	91	1.76	1.67	1.55	1.34	0.97	0.61		0.90	0.20	0.95	1.58	1.89	
PA3 Line A	10.2	A-25.1	S33	D	Residential 3-4 dwellings/acre	75	57	91	6.65	6.46	6.20	5.75	4.92	4.07		0.60	0.20	1.84	3.06	3.67	
PA3 Line A	5.9	A-26	S33	C	Apartments	69	50	86	4.89	4.84	4.76	4.63	4.36	4.05		0.20	0.25	0.35	0.59	0.71	
PA3 Line A	0.1	A-26	S33	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01	
PA3 Line A	0.6	A-26	S33	C	Residential 2.5 acre lots	69	50	86	0.25	0.23	0.21	0.18	0.12	0.07		0.90	0.25	0.16	0.27	0.32	
PA3 Line A	6	A-26	S33	D	Apartments	75	57	91	5.09	5.04	4.96	4.82	4.54	4.19		0.20	0.20	0.36	0.60	0.72	
PA3 Line A	1.1	A-26	S33	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85		0.10	0.20	0.03	0.06	0.07	
PA3 Line A	4.7	A-26	S33	D	Residential 2.5 acre lots	75	57	91	2.37	2.25	2.08	1.80	1.30	0.82		0.90	0.20	1.27	2.12	2.54	
PA3 Line A	1.5	A-27	S33	B	Commercial, Industrial	56	36	76	1.31	1.30	1.28	1.26	1.21	1.14		0.10	0.30	0.05	0.08	0.09	
PA3 Line A	0.2	A-27	S33	B	Public Park	56	36	76	0.06	0.05	0.05	0.04	0.03	0.03		0.85	0.30	0.05	0.09	0.10	
PA3 Line A	1.1	A-27	S33	C	Apartments	69	50	86	0.91	0.90	0.89	0.86	0.81	0.75		0.20	0.25	0.07	0.11	0.13	
PA3 Line A	12.7	A-27	S33	C	Commercial, Industrial	69	50	86	11.28	11.19	11.07	10.84	10.37	9.74		0.10	0.25	0.38	0.64	0.76	
PA3 Line A	0.8	A-27	S33	C	Public Park	69	50	86	0.36	0.34	0.31	0.26	0.19	0.13		0.85	0.25	0.20	0.34	0.41	
PA3 Line A	4.1	A-27	S33	C	Residential 2.5 acre lots	69	50	86	1.70	1.59	1.45	1.21	0.82	0.49		0.90	0.25	1.11	1.85	2.21	
PA3 Line A	1.2	A-27	S33	D	Commercial, Industrial	75	57	91	1.08	1.07	1.06	1.04	0.99	0.93		0.10	0.20	0.04	0.06	0.07	
PA3 Line A	1.5	A-27	S33	D	Public Park	75	57	91	0.79	0.76	0.71	0.62	0.47	0.32		0.85	0.20	0.38	0.64	0.77	
PA3 Line A	0.1	A-27	S33	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.05	
PA3 Line A	1	A-28	S33	B	Commercial, Industrial	56	36	76	0.87	0.86	0.85	0.84	0.81	0.76		0.10	0.30	0.03	0.05	0.06	
PA3 Line A	1.3	A-28	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08	
PA3 Line A	12.6	A-28	S33	D	Commercial, Industrial	75	57	91	11.32	11.23	11.11	10.88	10.39	9.74		0.10	0.20	0.38	0.63	0.76	
PA3 Line A	1.1	A-28	S33	D	Public Park	75	57	91	0.58	0.55	0.52	0.45	0.34	0.23		0.85	0.20	0.28	0.47	0.56	
PA3 Line A	0.1	A-28	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
PA3 Line A	2.1	A-28	S33	D	Residential 2.5 acre lots	75	57	91	1.06	1.00	0.93	0.81	0.58	0.37		0.90	0.20	0.57	0.95	1.13	
PA3 Line A	2.2	A-29	S33	C	Commercial, Industrial	69	50	86	1.95	1.94	1.92	1.88	1.80	1.69		0.10	0.25	0.07	0.11	0.13	
PA3 Line A	0.4	A-29	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22	
PA3 Line A	0.6	A-30	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04	
PA3 Line A	0.6	A-30	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32	
PA3 Line A	1.8	A-30	S33	C	Commercial, Industrial	69	50	86	1.60	1.59	1.57	1.54	1.47	1.38		0.10	0.25	0.05	0.09	0.11	
PA3 Line A	1.4	A-30	S33	C	Residential 2.5 acre lots	69	50	86	0.58	0.54	0.50	0.41	0.28	0.17		0.90	0.25	0.38	0.63	0.76	
PA3 Line A	0.8	A-30	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05	
PA3 Line A	1.6	A-30	S33	D	Residential 2.5 acre lots	75	57	91	0.81	0.77	0.71	0.61	0.44	0.28		0.90	0.20	0.43	0.72	0.86	
PA3 Line A	2.5	A-31	S33	B	Commercial, Industrial	56	36	76	2.18	2.16	2.14	2.10	2.01	1.91		0.10	0.30	0.08	0.13	0.15	
PA3 Line A	0.3	A-31	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15	
PA3 Line A	0.1	A-31	S33	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01	
PA3 Line A	0.1	A-31	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05	
PA3 Line A	1.5	A-31	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.73	0.70	0.67	0.62	0.55	0.51		0.60	0.30	0.27	0.45	0.54	
PA3 Line A	0.2	A-31	S33	B	Residential 5-7 dwellings/acre	56	36	76	0.11	0.11	0.11	0.10	0.09	0.08		0.50	0.30	0.03	0.05	0.06	
PA3 Line A	2.9	A-31	S33	B	Residential 8-10 dwellings/acre	56	36	76	1.85	1.82	1.77	1.69	1.57	1.47		0.40	0.30	0.35	0.58	0.70	
PA3 Line A	4.7	A-31	S33	C	Commercial, Industrial	69	50	86	4.17	4.14	4.10	4.01	3.84	3.60		0.10	0.25	0.14	0.24	0.28	
PA3 Line A	1.3	A-31	S33	C	Public Park	69	50	86	0.58	0.54	0.50	0.43	0.31	0.21		0.85	0.25	0.33	0.55	0.66	
PA3 Line A	0.9	A-31	S33	C	Residential 10+ dwellings/acre	69	50	86	0.75	0.74	0.73	0.71	0.67	0.62		0.20	0.25	0.05	0.09	0.11	
PA3 Line A	0.1	A-31	S33	C	Residential 2.5 acre lots	69	50	86	0.04	0.04	0.04	0.03	0.02	0.01		0.90	0.25	0.03	0.05	0.05	
PA3 Line A	3.8	A-31	S33	C	Residential 3-4 dwellings/acre	69	50	86	2.25	2.18	2.08	1.92	1.64	1.38		0.60	0.25	0.68	1.14	1.37	
PA3 Line A	4.4	A-31	S33	C	Residential 5-7 dwellings/acre	69	50	86	2.87	2.79	2.70	2.53	2.24	1.95		0.50	0.25	0.66	1.10	1.32	
PA3 Line A	0.7	A-31	S33	C	Residential 8-10 dwellings/acre	69	50	86	0.50	0.49	0.47	0.45	0.41	0.37		0.40	0.25	0.08	0.14	0.17	
PA3 Line A	5	A-31	S33	D	Commercial, Industrial	75	57	91	4.49	4.46	4.41	4.32	4.12	3.86		0.10	0.20	0.15	0.25	0.30	
PA3 Line A	0.1	A-31	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05	
PA3 Line A	10.3	A-31	S33	D	Residential 10+ dwellings/acre	75	57	91	8.74</												

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 133t)

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	100													
						AMC			P ₂₄ (Inches)																
II	I	III																							
PA3 Line A	0.1	A-32	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02				0.85	0.25	0.03	0.04	0.05			
PA3 Line A	3	A-32	S33	C	Residential 2.5 acre lots	69	50	86	1.24	1.16	1.06	0.89	0.60	0.36				0.90	0.25	0.81	1.35	1.62			
PA3 Line A	2.5	A-32	S33	C	Residential 3-4 dwellings/acre	69	50	86	1.48	1.43	1.37	1.26	1.08	0.91				0.60	0.25	0.45	0.75	0.90			
PA3 Line A	0.8	A-32	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62				0.10	0.20	0.02	0.04	0.05			
PA3 Line A	1.3	A-32	S33	D	Residential 2.5 acre lots	75	57	91	0.66	0.62	0.58	0.50	0.36	0.23				0.90	0.20	0.35	0.59	0.70			
PA3 Line A	3.3	A-32	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.15	2.09	2.01	1.86	1.59	1.32				0.60	0.20	0.59	0.99	1.19			
PA3 Line A	1.5	OA-4	S33	C	Open Brush, Fair	77	59	92	0.74	0.69	0.64	0.16	0.05	0.00				1.00	0.25	0.45	0.75	0.90			
PA3 Line A	0.4	OA-4	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00				1.00	0.25	0.12	0.20	0.24			
PA3 Line A	4.9	OA-5	S33	C	Open Brush, Fair	77	59	92	2.40	2.27	2.08	0.53	0.17	0.00				1.00	0.25	1.47	2.45	2.94			
PA3 Line A	2.4	OA-5	S33	C	Woodland, Grass, Fair	77	59	92	1.18	1.11	1.02	0.26	0.08	0.00				1.00	0.25	0.72	1.20	1.44			
PA3 Line A	5.1	OA-6	S33	C	Open Brush, Fair	77	59	92	2.50	2.36	2.17	0.55	0.18	0.00				1.00	0.25	1.53	2.55	3.06			
PA3 Line A	4	OA-6	S33	C	Woodland, Grass, Fair	77	59	92	1.96	1.85	1.70	0.43	0.14	0.00				1.00	0.25	1.20	2.00	2.40			
PA3 Line A	0.3	OA-7	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.14	0.13	0.12	0.03	0.01	0.00				1.00	0.25	0.09	0.15	0.18			
PA3 Line A	5.7	OA-7	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	3.22	3.08	2.87	0.93	0.42	0.07				1.00	0.25	1.71	2.85	3.42			
PA3 Line A	3.4	OA-7	S33	C	Open Brush, Fair	77	59	92	1.67	1.57	1.45	0.37	0.12	0.00				1.00	0.25	1.02	1.70	2.04			
PA3 Line A	0.1	OA-7	S33	C	Woodland, Grass, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00				1.00	0.25	0.03	0.05	0.06			
PA3 Line A	2.1	OA-7	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	1.40	1.35	1.29	0.56	0.33	0.13				1.00	0.20	0.63	1.05	1.26			
PA3 Line A	1.6	OA-7	S33	D	Open Brush, Fair	83	67	96	0.97	0.93	0.87	0.32	0.16	0.04				1.00	0.20	0.48	0.80	0.96			
PA3 Line A	0.2	OA-7	S33	D	Woodland, Grass, Fair	82	66	95	0.12	0.11	0.11	0.04	0.02	0.00				1.00	0.20	0.06	0.10	0.12			
PA3 Line A	1.6	OA-8	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.73	0.68	0.62	0.13	0.03	0.00				1.00	0.25	0.48	0.80	0.96			
PA3 Line A	1.6	OA-8	S33	C	Open Brush, Fair	77	59	92	0.78	0.74	0.68	0.17	0.06	0.00				1.00	0.25	0.48	0.80	0.96			
PA3 Line A	1.8	OA-8	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.02	0.97	0.91	0.30	0.13	0.02				1.00	0.20	0.54	0.90	1.08			
PA3 Line A	1.5	OA-8	S33	D	Open Brush, Fair	83	67	96	0.91	0.87	0.82	0.30	0.15	0.04				1.00	0.20	0.45	0.75	0.90			
PA3 Line A	1.9	OA-9	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.86	0.81	0.74	0.16	0.04	0.00				1.00	0.25	0.57	0.95	1.14			
PA3 Line A	0.4	OA-9	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	0.23	0.22	0.20	0.07	0.03	0.01				1.00	0.25	0.12	0.20	0.24			
PA3 Line A	1.3	OA-9	S33	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.14	0.05	0.00				1.00	0.25	0.39	0.65	0.78			
PA3 Line A	4.5	OA-9	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.55	2.43	2.27	0.74	0.33	0.06				1.00	0.20	1.35	2.25	2.70			
PA3 Line A	1.3	OA-9	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	0.87	0.84	0.80	0.35	0.20	0.08				1.00	0.20	0.39	0.65	0.78			
PA3 Line A	3.7	OA-9	S33	D	Open Brush, Fair	83	67	96	2.24	2.15	2.02	0.74	0.38	0.10				1.00	0.20	1.11	1.85	2.22			
PA3 Line A	1.6	A-33	S33	B	Fallow	86	72	97	1.07	1.03	0.98	0.43	0.25	0.10				1.00	0.30	0.48	0.80	0.96			
PA3 Line A	1.3	A-33	S33	B	Open Brush, Fair	66	46	84	0.40	0.37	0.32	0.02	0.00	0.00				1.00	0.30	0.39	0.65	0.78			
PA3 Line A	2.6	A-33	S33	B	Residential 2.5 acre lots	56	36	76	0.66	0.60	0.53	0.42	0.27	0.22				0.90	0.30	0.70	1.17	1.40			
PA3 Line A	1.9	A-33	S33	B	Woodland, Grass, Fair	65	45	83	0.56	0.51	0.44	0.02	0.00	0.00				1.00	0.30	0.57	0.95	1.14			
PA3 Line A	0.7	A-33	S33	C	Fallow	91	80	98	0.54	0.53	0.52	0.29	0.21	0.12				1.00	0.25	0.21	0.35	0.42			
PA3 Line A	0.8	A-33	S33	C	Open Brush, Fair	77	59	92	0.39	0.37	0.34	0.09	0.03	0.00				1.00	0.25	0.24	0.40	0.48			
PA3 Line A	0.1	A-33	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02				0.85	0.25	0.03	0.04	0.05			
PA3 Line A	1.5	A-33	S33	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18				0.90	0.25	0.41	0.68	0.81			
PA3 Line A	0.4	A-33	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00				1.00	0.25	0.12	0.20	0.24			
PA3 Line A	0.1	A-33	S33	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00				1.00	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-33	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05				0.90	0.20	0.08	0.14	0.16			
	6638.2	Low Loss Fraction (1-Y) =							0.476	0.498	0.526	0.699	0.764	0.810	1.000			F _m =	0.239	0.398	0.478	0.000			

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC/AMCII									5.63				
																			Storm Event (Year)			HC
																			EV			All
																			> 5	5	2	All

	9.71		S1	A	Chaparral, Broadleaf, Fair	40	23	60	0.86	0.68	0.45	0.00	0.00	0.00	2.91	1.00	0.40	2.91	4.86	5.83	3.89
	73.91		S1	B	Chaparral, Broadleaf, Fair	63	43	81	27.42	25.27	22.25	2.49	0.08	0.00		1.00	0.30	22.17	36.95	44.34	
	1029.81		S1	C	Chaparral, Broadleaf, Fair	75	57	91	571.04	543.69	503.80	164.26	73.16	10.92		1.00	0.25	308.94	514.91	617.89	
	758.05		S1	D	Chaparral, Broadleaf, Fair	81	64	95	495.59	478.11	452.17	192.73	111.29	40.56		1.00	0.20	227.41	379.02	454.83	
	52.00		S1	C	Fallow	91	80	98	43.16	42.46	41.40	26.62	20.56	13.63		1.00	0.25	15.60	26.00	31.20	
	2.73		S1	D	Fallow	94	85	99	2.42	2.39	2.35	1.70	1.41	1.06		1.00	0.20	0.82	1.36	1.64	
	54.84		S1	B	Woodland, Fair	60	40	79	18.02	16.43	14.23	0.96	0.00	0.00		1.00	0.30	16.45	27.42	32.90	
	58.35		S1	C	Woodland, Fair	73	55	89	30.49	28.89	26.58	7.75	3.04	0.22		1.00	0.25	17.51	29.18	35.01	
	1.95		S1	D	Woodland, Fair	79	62	93	1.21	1.16	1.09	0.43	0.23	0.07		1.00	0.20	0.59	0.98	1.17	
	48.35		S1	B	Woodland, Poor	66	46	84	20.06	18.66	16.67	2.69	0.38	0.00		1.00	0.30	14.50	24.17	29.01	
	44.42		S1	C	Woodland, Poor	77	59	92	26.07	24.94	23.27	8.36	4.12	0.93		1.00	0.25	13.32	22.21	26.65	
	95.06		S2	B	Chaparral, Broadleaf, Fair	63	43	81	35.27	32.51	28.62	3.20	0.10	0.00		1.00	0.30	28.52	47.53	57.04	
	1437.77		S2	C	Chaparral, Broadleaf, Fair	75	57	91	797.26	759.06	703.37	229.32	102.14	15.25		1.00	0.25	431.33	718.88	862.66	
	107.72		S2	D	Chaparral, Broadleaf, Fair	81	64	95	70.42	67.94	64.25	27.39	15.81	5.76		1.00	0.20	32.32	53.86	64.63	
	15.50		S2	B	Woodland, Fair	60	40	79	5.09	4.64	4.02	0.27	0.00	0.00		1.00	0.30	4.65	7.75	9.30	
	94.17		S2	C	Woodland, Fair	73	55	89	49.20	46.63	42.89	12.50	4.90	0.35		1.00	0.25	28.25	47.08	56.50	
	35.70		S2	B	Woodland, Grass, Fair	65	45	83	14.29	13.25	11.78	1.67	0.16	0.00		1.00	0.30	10.71	17.85	21.42	
	55.19		S2	C	Woodland, Grass, Fair	77	59	92	32.40	30.99	28.92	10.39	5.12	1.15		1.00	0.25	16.56	27.60	33.12	
	5.90		S3	A	Chaparral, Broadleaf, Fair	40	23	60	0.52	0.41	0.28	0.00	0.00	0.00		1.00	0.40	1.77	2.95	3.54	
	13.63		S3	B	Chaparral, Broadleaf, Fair	63	43	81	5.06	4.66	4.10	0.46	0.01	0.00		1.00	0.30	4.09	6.81	8.18	
	754.34		S3	C	Chaparral, Broadleaf, Fair	75	57	91	418.29	398.25	369.03	120.32	53.59	8.00		1.00	0.25	226.30	377.17	452.60	
	737.55		S3	D	Chaparral, Broadleaf, Fair	81	64	95	482.19	465.18	439.94	187.52	108.29	39.46		1.00	0.20	221.27	368.78	442.53	
	322.55		S3	C	Chaparral, Narrowleaf, Fair	81	64	95	210.87	203.43	192.40	82.01	47.36	17.26		1.00	0.25	96.76	161.27	193.53	
	642.13		S3	D	Chaparral, Narrowleaf, Fair	86	72	97	475.29	463.18	444.95	233.87	158.23	82.48		1.00	0.20	192.64	321.07	385.28	
	4.47		S3	C	Commercial, Industrial	69	50	86	4.08	4.05	4.01	3.94	3.79	3.60		0.10	0.25	0.13	0.22	0.27	
	8.45		S3	C	Grass, Annual or Perennial, Fair	79	62	93	5.24	5.04	4.73	1.85	0.99	0.29		1.00	0.25	2.54	4.23	5.07	
	0.97		S3	D	Grass, Annual or Perennial, Fair	84	69	96	0.69	0.67	0.64	0.31	0.20	0.09		1.00	0.20	0.29	0.49	0.58	
	9.81		S3	D	Open Brush, Fair	83	67	96	6.75	6.54	6.22	2.89	1.79	0.77		1.00	0.20	2.94	4.91	5.89	
	4.08		S3	B	Public Park	56	36	76	1.54	1.44	1.30	1.09	0.78	0.57		0.85	0.30	1.04	1.74	2.08	
	47.90		S3	C	Public Park	69	50	86	25.64	24.46	22.75	19.90	15.04	10.30		0.85	0.25	12.21	20.36	24.43	
	0.38		S3	C	Residential 1 acre lots	69	50	86	0.21	0.20	0.19	0.17	0.13	0.10		0.80	0.25	0.09	0.15	0.18	
	0.21		S3	D	Woodland, Fair	79	62	93	0.13	0.12	0.12	0.05	0.02	0.01		1.00	0.20	0.06	0.10	0.12	
	2.60		S3	A	Woodland, Grass, Fair	44	26	64	0.34	0.28	0.21	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56	
	60.94		S3	B	Woodland, Grass, Fair	65	45	83	24.39	22.62	20.11	2.86	0.28	0.00		1.00	0.30	18.28	30.47	36.56	
	155.04		S3	C	Woodland, Grass, Fair	77	59	92	91.02	87.05	81.24	29.18	14.38	3.24		1.00	0.25	46.51	77.52	93.02	
	90.19		S3	D	Woodland, Grass, Fair	82	66	95	60.50	58.49	55.49	24.74	14.80	5.90		1.00	0.20	27.06	45.10	54.12	
	41.60		S4	A	Chaparral, Broadleaf, Fair	40	23	60	3.70	2.91	1.94	0.00	0.00	0.00		1.00	0.40	12.48	20.80	24.96	
	47.53		S4	B	Chaparral, Broadleaf, Fair	63	43	81	17.64	16.25	14.31	1.60	0.05	0.00		1.00	0.30	14.26	23.77	28.52	
	998.31		S4	C	Chaparral, Broadleaf, Fair	75	57	91	553.57	527.05	488.39	159.23	70.92	10.59		1.00	0.25	299.49	499.16	598.99	
	181.26		S4	D	Chaparral, Broadleaf, Fair	81	64	95	118.50	114.32	108.12	46.08	26.61	9.70		1.00	0.20	54.38	90.63	108.75	
	71.49		S4	C	Chaparral, Narrowleaf, Fair	81	64	95	46.73	45.09	42.64	18.17	10.50	3.82		1.00	0.25	21.45	35.74	42.89	
	0.93		S4	D	Chaparral, Narrowleaf, Fair	86	72	97	0.69	0.67	0.64	0.34	0.23	0.12		1.00	0.20	0.28	0.46	0.56	
	25.40		S4	B	Fallow	86	72	97	18.80	18.32	17.60	9.25	6.26	3.26		1.00	0.30	7.62	12.70	15.24	
	60.60		S4	C	Fallow	91	80	98	50.30	49.49	48.25	31.03	23.96	15.89		1.00	0.25	18.18	30.30	36.36	
	0.09		S4	D	Fallow	94	85	99	0.08	0.08	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.05	
	11.02		S4	B	Woodland, Fair	60	40	79	3.62	3.30	2.86	0.19	0.00	0.00		1.00	0.30	3.31	5.51	6.61	
	24.63		S4	C	Woodland, Fair	73	55	89	12.87	12.19	11.22	3.27	1.28	0.09		1.00	0.25	7.39	12.31	14.78	
	0.76		S4	B	Woodland, Poor	66	46	84	0.31	0.29	0.26	0.04	0.01	0.00		1.00	0.30	0.23	0.38	0.45	
	8.00		S4	C	Woodland, Poor	77	59	92	4.69	4.49	4.19	1.51	0.74	0.17		1.00	0.25	2.40	4.00	4.80	
	3.22		S5	B	Chaparral, Broadleaf, Fair	63	43	81	1.20	1.10	0.97	0.11	0.00	0.00		1.00	0.30	0.97	1.61	1.93	
	43.68		S5	C	Chaparral, Broadleaf, Fair	75	57	91	24.22	23.06	21.37	6.97	3.10	0.46		1.00	0.25	13.10	21.84	26.21	
	204.58		S5	D	Chaparral, Broadleaf, Fair	81	64	95	133.75	129.03	122.03	52.01	30.04	10.95		1.00	0.20	61.37	102.29	122.75	
	9.30		S5	B	Chaparral, Narrowleaf, Fair	72	53	89	4.71	4.45	4.08	1.12	0.41	0.01		1.00	0.30	2.79	4.65	5.58	
	283.71		S5	C	Chaparral, Narrowleaf, Fair	81	64	95	185.48	178.94	169.23	72.13	41.65	15.18		1.00	0.25	85.11	141.85	170.23	
	334.67		S5	D	Chaparral, Narrowleaf, Fair	86	72	97	247.71	241.40	231.90	121.89	82.47	42.99		1.00	0.20	100.40	167.33	200.80	
	3.04		S5	C	Residential 1 acre lots	69	50	86	1.71	1.63	1.53	1.36	1.06	0.77		0.80	0.25	0.73	1.22	1.46	
	10.47		S5	B	Woodland, Grass, Fair	65	45	83	4.19	3.89	3.46	0.49	0.05	0.00		1.00	0.30	3.14	5.24	6.28	
	4.29		S5	C	Woodland, Grass, Fair	77	59	92	2.52	2.41	2.25	0.81	0.40	0.09		1.00	0.25	1.29	2.15	2.58	
	21.26		S5	D	Woodland, Grass, Fair	82	66	95	14.26	13.79	13.08	5.83	3.49	1.39		1.00	0.20	6.38	10.63	12.76	
	20.32		S6	A	Chaparral, Broadleaf, Fair	40	23	60	1.81	1.42	0.95	0.00	0.00	0.00		1.00	0.40	6.10	10.16	12.19	
	479.80		S6	C	Chaparral, Broadleaf, Fair	75	57	91	266.06	253.31	234.73	76.53	34.09	5.09		1.00	0.25	143.94	239.90	287.88	
	439.63		S6	D	Chaparral, Broadleaf, Fair	81	64	95	287.42	277.28	262.23	111.77	64.54	23.52		1.00	0.20	131.89	219.81	263.78	
	0.04		S6	A	Chaparral, Narrowleaf, Fair	55	35	75	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.01	0.02	0.02	
	66.38		S6	C	Chaparral, Narrowleaf, Fair	81	64	95	43.40	41.86	39.59	16.88	9.75	3.55		1.00	0.25	19.91	33.19	39.83	
	299.75		S6	D	Chaparral, Narrowleaf, Fair	86	72	97	221.87	216.22	207.70	109.17	73.86	38.50		1.00	0.20	89.92	149.87	179.85	
	2.57		S6	A	Woodland, Grass, Fair	44	26	64	0.33	0.28	0.20	0.00	0.00	0.00		1.00	0.40	0.77	1.28	1.54	
	3.01		S6	C	Woodland, Grass, Fair	77	59	92	1.76	1.69	1.57	0.57	0.28	0.06		1.00	0.25	0.90	1.50	1.80	
	0.22		S6	D	Woodland, Grass, Fair	82	66	95	0.15	0.15	0.14	0.06	0.04	0.01		1.00	0.20	0.07	0.11	0.13	
	0.36		S7	A	Chaparral, Broadleaf, Fair	40	23	60	0.03	0.03											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100										
						AMC		P ₂₄ (Inches)												5.63				
						II	I	III	AMC/AMCII															
																		EV			HC			
																		> 5	5	2	All			

	154.64		S7	C	Chaparral, Broadleaf, Fair	75	57	91	85.75	81.64	75.65	24.67	10.99	1.64		1.00	0.25	46.39	77.32	92.79	
	650.67		S7	D	Chaparral, Broadleaf, Fair	81	64	95	425.39	410.38	388.12	165.43	95.53	34.81		1.00	0.20	195.20	325.33	390.40	
	1.62		S7	A	Chaparral, Narrowleaf, Fair	55	35	75	0.42	0.38	0.32	0.00	0.00	0.00		1.00	0.40	0.90	0.81	0.97	
	1.83		S7	B	Chaparral, Narrowleaf, Fair	72	53	89	0.93	0.88	0.80	0.22	0.08	0.00		1.00	0.30	0.55	0.92	1.10	
	119.57		S7	C	Chaparral, Narrowleaf, Fair	81	64	95	78.17	75.41	71.32	30.40	17.55	6.40		1.00	0.25	35.87	59.78	71.74	
	705.90		S7	D	Chaparral, Narrowleaf, Fair	86	72	97	522.49	509.18	489.13	257.10	173.95	90.67		1.00	0.20	211.77	352.95	423.54	
	6.15		S7	C	Grass, Annual or Perennial, Fair	79	62	93	3.81	3.66	3.44	1.35	0.72	0.21		1.00	0.25	1.85	3.08	3.69	
	8.08		S7	D	Grass, Annual or Perennial, Fair	84	69	96	5.70	5.53	5.28	2.56	1.63	0.75		1.00	0.20	2.42	4.04	4.85	
	15.59		S7	C	Open Brush, Fair	77	59	92	9.15	8.75	8.17	2.93	1.45	0.33		1.00	0.25	4.68	7.79	9.35	
	77.13		S7	D	Open Brush, Fair	83	67	96	53.06	51.40	48.92	22.75	14.07	6.06		1.00	0.20	23.14	38.56	46.28	
	2.83		S7	C	Public Park	69	50	86	1.51	1.44	1.34	1.17	0.89	0.61		0.85	0.25	0.72	1.20	1.44	
	4.53		S7	C	Residential 1 acre lots	69	50	86	2.54	2.43	2.28	2.02	1.58	1.15		0.80	0.25	1.09	1.81	2.17	
	23.54		S7	C	School	69	50	86	15.55	15.12	14.49	13.43	11.58	9.68		0.60	0.25	4.24	7.06	8.48	
	0.65		S7	D	School	75	57	91	0.47	0.46	0.44	0.41	0.36	0.30		0.60	0.20	0.12	0.20	0.24	
	10.99		S7	A	Woodland, Grass, Fair	44	26	64	1.42	1.18	0.87	0.00	0.00	0.00		1.00	0.40	3.30	5.50	6.59	
	27.31		S7	B	Woodland, Grass, Fair	65	45	83	10.93	10.14	9.01	1.28	0.12	0.00		1.00	0.30	8.19	13.66	16.39	
	66.03		S7	C	Woodland, Grass, Fair	77	59	92	38.76	37.07	34.60	12.43	6.13	1.38		1.00	0.25	19.81	33.01	39.62	
	83.68		S7	D	Woodland, Grass, Fair	82	66	95	56.13	54.27	51.49	22.95	13.73	5.47		1.00	0.20	25.10	41.84	50.21	
	2.17		S8	A	Chaparral, Broadleaf, Fair	40	23	60	0.19	0.15	0.10	0.00	0.00	0.00		1.00	0.40	0.65	1.08	1.30	
	62.77		S8	C	Chaparral, Broadleaf, Fair	75	57	91	34.81	33.14	30.71	10.01	4.46	0.67		1.00	0.25	18.83	31.39	37.66	
	828.83		S8	D	Chaparral, Broadleaf, Fair	81	64	95	541.86	522.75	494.39	210.73	121.69	44.34		1.00	0.20	248.65	414.41	497.30	
	4.58		S8	A	Chaparral, Narrowleaf, Fair	55	35	75	1.19	1.07	0.89	0.01	0.00	0.00		1.00	0.40	1.37	2.29	2.75	
	473.80		S8	C	Chaparral, Narrowleaf, Fair	81	64	95	309.76	298.83	282.62	120.46	69.56	25.35		1.00	0.25	142.14	236.90	284.28	
	380.43		S8	D	Chaparral, Narrowleaf, Fair	86	72	97	281.59	274.41	263.61	138.56	93.74	48.86		1.00	0.20	114.13	190.21	228.26	
	9.56		S8	A	Open Brush, Fair	46	28	66	1.45	1.22	0.93	0.00	0.00	0.00		1.00	0.40	2.87	4.78	5.74	
	98.44		S8	C	Open Brush, Fair	77	59	92	57.79	55.27	51.58	18.53	9.13	2.06		1.00	0.25	29.53	49.22	59.06	
	318.26		S8	D	Open Brush, Fair	83	67	96	218.94	212.09	201.86	93.85	58.05	24.99		1.00	0.20	95.48	159.13	190.95	
	14.99		S8	A	Woodland, Grass, Fair	44	26	64	1.94	1.61	1.18	0.00	0.00	0.00		1.00	0.40	4.50	7.50	9.00	
	21.60		S8	C	Woodland, Grass, Fair	77	59	92	12.68	12.13	11.32	4.07	2.00	0.45		1.00	0.25	6.48	10.80	12.96	
	53.83		S8	D	Woodland, Grass, Fair	82	66	95	36.11	34.91	33.12	14.76	8.83	3.52		1.00	0.20	16.15	26.91	32.30	
	0.97		S9	A	Chaparral, Broadleaf, Fair	40	23	60	0.09	0.07	0.05	0.00	0.00	0.00		1.00	0.40	0.29	0.48	0.58	
	5.45		S9	B	Chaparral, Broadleaf, Fair	63	43	81	2.02	1.86	1.64	0.18	0.01	0.00		1.00	0.30	1.63	2.72	3.27	
	476.00		S9	C	Chaparral, Broadleaf, Fair	75	57	91	263.95	251.30	232.86	75.92	33.81	5.05		1.00	0.25	142.80	238.00	285.60	
	240.06		S9	D	Chaparral, Broadleaf, Fair	81	64	95	156.94	151.41	143.19	61.03	35.24	12.84		1.00	0.20	72.02	120.03	144.03	
	1.16		S9	B	Chaparral, Narrowleaf, Fair	72	53	89	0.59	0.55	0.51	0.14	0.05	0.00		1.00	0.30	0.35	0.58	0.69	
	602.70		S9	C	Chaparral, Narrowleaf, Fair	81	64	95	394.03	380.13	359.50	153.23	88.49	32.24		1.00	0.25	180.81	301.35	361.62	
	212.84		S9	D	Chaparral, Narrowleaf, Fair	86	72	97	157.54	153.52	147.48	77.52	52.45	27.34		1.00	0.20	63.85	106.42	127.70	
	0.26		S9	A	Open Brush, Fair	46	28	66	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.40	0.08	0.13	0.16	
	0.06		S9	B	Open Brush, Fair	66	46	84	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.03	
	118.82		S9	C	Open Brush, Fair	77	59	92	69.76	66.72	62.26	22.36	11.02	2.49		1.00	0.25	35.65	59.41	71.29	
	74.36		S9	D	Open Brush, Fair	83	67	96	51.15	49.55	47.16	21.93	13.56	5.84		1.00	0.20	22.31	37.18	44.61	
	6.82		S9	D	Open Brush, Good	81	64	95	4.46	4.30	4.07	1.73	1.00	0.37		1.00	0.20	2.05	3.41	4.09	
	6.34		S9	A	Woodland, Grass, Fair	44	26	64	0.82	0.68	0.50	0.00	0.00	0.00		1.00	0.40	1.90	3.17	3.81	
	12.90		S9	B	Woodland, Grass, Fair	65	45	83	5.16	4.79	4.26	0.60	0.06	0.00		1.00	0.30	3.87	6.45	7.74	
	52.70		S9	C	Woodland, Grass, Fair	77	59	92	30.94	29.59	27.61	9.92	4.89	1.10		1.00	0.25	15.81	26.35	31.62	
	16.07		S9	D	Woodland, Grass, Fair	82	66	95	10.78	10.42	9.89	4.41	2.64	1.05		1.00	0.20	4.82	8.04	9.64	
	65.47		S10	A	Chaparral, Broadleaf, Fair	40	23	60	5.82	4.59	3.06	0.00	0.00	0.00		1.00	0.40	19.64	32.74	39.28	
	1.23		S10	B	Chaparral, Broadleaf, Fair	63	43	81	0.46	0.42	0.37	0.04	0.00	0.00		1.00	0.30	0.37	0.61	0.74	
	0.16		S10	C	Chaparral, Broadleaf, Fair	75	57	91	0.09	0.09	0.08	0.03	0.01	0.00		1.00	0.25	0.05	0.08	0.10	
	247.92		S10	D	Chaparral, Broadleaf, Fair	81	64	95	162.08	156.37	147.88	63.03	36.40	13.26		1.00	0.20	74.38	123.96	148.75	
	0.16		S10	A	Chaparral, Narrowleaf, Fair	55	35	75	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.05	0.08	0.09	
	0.11		S10	C	Chaparral, Narrowleaf, Fair	81	64	95	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.06	0.07	
	65.21		S10	D	Chaparral, Narrowleaf, Fair	86	72	97	48.27	47.04	45.18	23.75	16.07	8.38		1.00	0.20	19.56	32.60	39.13	
	5.06		S10	A	Open Brush, Fair	46	28	66	0.77	0.65	0.49	0.00	0.00	0.00		1.00	0.40	1.52	2.53	3.04	
	105.84		S10	D	Open Brush, Fair	83	67	96	72.81	70.53	67.13	31.21	19.30	8.31		1.00	0.20	31.75	52.92	63.51	
	2.32		S10	A	Open Brush, Good	41	24	61	0.23	0.18	0.13	0.00	0.00	0.00		1.00	0.40	0.70	1.16	1.39	
	0.27		S10	B	Open Brush, Good	63	43	81	0.10	0.09	0.08	0.01	0.00	0.00		1.00	0.30	0.08	0.14	0.16	
	155.88		S10	C	Open Brush, Good	75	57	91	86.44	82.30	76.26	24.86	11.07	1.65		1.00	0.25	46.76	77.94	93.53	
	158.20		S10	D	Open Brush, Good	81	64	95	103.43	99.78	94.36	40.22	23.23	8.46		1.00	0.20	47.46	79.10	94.92	
	0.39		S10	B	Public Park	56	36	76	0.15	0.14	0.12	0.10	0.07	0.05		0.85	0.30	0.10	0.16	0.20	
	9.13		S10	A	Residential 1 acre lots	32	17	52	1.94	1.86	1.77	1.72	1.68	1.61		0.80	0.40	2.19	3.65	4.38	
	9.22		S10	C	Residential 1 acre lots	69	50	86	5.16	4.95	4.64	4.11	3.22	2.34		0.80	0.25	2.21	3.69	4.42	
	2.19		S10	D	Residential 1 acre lots	75	57	91	1.39	1.35	1.28	1.15	0.93	0.70		0.80	0.20	0.53	0.88	1.05	
	42.63		S10	A	Woodland, Grass, Fair	44	26	64	5.51	4.57	3.36	0.00	0.00	0.00		1.00	0.40	12.79	21.31	25.58	
	7.03		S10	B	Woodland, Grass, Fair	65	45	83	2.81	2.61	2.32	0.33	0.03	0.00		1.00	0.30	2.11	3.52	4.22	
	3.27		S10	C	Woodland, Grass, Fair	77	59	92	1.92	1.84	1.72	0.62	0.30	0.07		1.00	0.25	0.98	1.64	1.96	
	52.18		S10	D	Woodland, Grass, Fair	82	66	95	35.00	33.83	32.10	14.31	8.56	3.41		1.00	0.20	15.65	26.09	31.31	
	5.11		S11	D	Barren	93	83	99	4.43	4.38	4.29										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100												
						AMC			P ₂₄ (Inches)															
						II	I	III				AMC/AMCII		5,63										
																								All
	22.90		S11	C	Chaparral, Narrowleaf, Fair	81	64	95	14.97	14.44	13.66	5.82	3.36	1.23		1.00	0.25	6.87	11.45	13.74				
	683.24		S11	D	Chaparral, Narrowleaf, Fair	86	72	97	505.72	492.83	473.43	248.84	168.36	87.76		1.00	0.20	204.97	341.62	409.94				
	9.74		S11	B	Grass, Annual or Perennial, Fair	69	50	86	4.48	4.21	3.81	0.83	0.22	0.00		1.00	0.30	2.92	4.87	5.85				
	13.55		S11	C	Grass, Annual or Perennial, Fair	79	62	93	8.41	8.07	7.59	2.97	1.59	0.47		1.00	0.25	4.07	6.78	8.13				
	0.86		S11	D	Grass, Annual or Perennial, Fair	84	69	96	0.61	0.59	0.56	0.27	0.17	0.08		1.00	0.20	0.26	0.43	0.52				
	9.65		S11	C	Open Brush, Fair	77	59	92	5.66	5.42	5.05	1.82	0.89	0.20		1.00	0.25	2.89	4.82	5.79				
	112.49		S11	D	Open Brush, Fair	83	67	96	77.39	74.97	71.35	33.17	20.52	8.83		1.00	0.20	33.75	56.25	67.50				
	1.41		S11	B	Public Park	56	36	76	0.53	0.50	0.45	0.38	0.27	0.20		0.85	0.30	0.36	0.60	0.72				
	5.39		S11	C	Public Park	69	50	86	2.88	2.75	2.56	2.24	1.69	1.16		0.85	0.25	1.37	2.29	2.75				
	1.78		S11	D	Public Park	75	57	91	1.10	1.06	1.00	0.89	0.70	0.50		0.85	0.20	0.45	0.76	0.91				
	0.27		S11	C	Woodland, Fair	73	55	89	0.14	0.13	0.12	0.04	0.01	0.00		1.00	0.25	0.08	0.14	0.16				
	45.10		S11	D	Woodland, Fair	79	62	93	27.97	26.87	25.24	9.87	5.29	1.56		1.00	0.20	13.53	22.55	27.06				
	13.34		S11	B	Woodland, Grass, Fair	65	45	83	5.34	4.95	4.40	0.63	0.06	0.00		1.00	0.30	4.00	6.67	8.00				
	61.25		S11	C	Woodland, Grass, Fair	77	59	92	35.96	34.39	32.09	11.53	5.68	1.28		1.00	0.25	18.38	30.63	36.75				
	24.56		S11	D	Woodland, Grass, Fair	82	66	95	16.48	15.93	15.11	6.74	4.03	1.61		1.00	0.20	7.37	12.28	14.74				
	17.17		S12	A	Chaparral, Broadleaf, Fair	40	23	60	1.53	1.20	0.80	0.00	0.00	0.00		1.00	0.40	5.15	8.58	10.30				
	306.06		S12	C	Chaparral, Broadleaf, Fair	75	57	91	169.71	161.58	149.73	48.82	21.74	3.25		1.00	0.25	91.82	153.03	183.64				
	487.33		S12	D	Chaparral, Broadleaf, Fair	81	64	95	318.60	307.37	290.69	123.90	71.55	26.07		1.00	0.20	146.20	243.67	292.40				
	12.40		S12	A	Chaparral, Narrowleaf, Fair	55	35	75	3.24	2.89	2.42	0.02	0.00	0.00		1.00	0.40	3.72	6.20	7.44				
	68.72		S12	C	Chaparral, Narrowleaf, Fair	81	64	95	44.93	43.34	40.99	17.47	10.09	3.68		1.00	0.25	20.62	34.36	41.23				
	724.53		S12	D	Chaparral, Narrowleaf, Fair	86	72	97	536.28	522.62	502.04	263.88	178.54	93.06		1.00	0.20	217.36	362.26	434.72				
	7.07		S12	A	Open Brush, Fair	46	28	66	1.07	0.90	0.69	0.00	0.00	0.00		1.00	0.40	2.12	3.54	4.24				
	0.89		S12	C	Open Brush, Fair	77	59	92	0.52	0.50	0.47	0.17	0.08	0.02		1.00	0.25	0.27	0.45	0.53				
	407.66		S12	D	Open Brush, Fair	83	67	96	280.45	271.67	258.57	120.22	74.35	32.01		1.00	0.20	122.30	203.83	244.60				
	0.26		S12	C	Public Park	69	50	86	0.14	0.13	0.12	0.11	0.08	0.06		0.85	0.25	0.07	0.11	0.13				
	0.00		S12	D	Public Park	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.85	0.20	0.00	0.00	0.00				
	6.85		S12	A	Woodland, Grass, Fair	44	26	64	0.89	0.74	0.54	0.00	0.00	0.00		1.00	0.40	2.06	3.43	4.11				
	22.97		S12	B	Woodland, Grass, Fair	65	45	83	9.19	8.52	7.58	1.08	0.10	0.00		1.00	0.30	6.89	11.48	13.78				
	248.53		S12	C	Woodland, Grass, Fair	77	59	92	145.90	139.54	130.22	46.78	23.06	5.20		1.00	0.25	74.56	124.27	149.12				
	60.03		S12	D	Woodland, Grass, Fair	82	66	95	40.27	38.93	36.93	16.46	9.85	3.92		1.00	0.20	18.01	30.02	36.02				
	15.97		S13	A	Chaparral, Broadleaf, Fair	40	23	60	1.42	1.12	0.75	0.00	0.00	0.00		1.00	0.40	4.79	7.98	9.58				
	7.05		S13	B	Chaparral, Broadleaf, Fair	63	43	81	2.61	2.41	2.12	0.24	0.01	0.00		1.00	0.30	2.11	3.52	4.23				
	645.40		S13	C	Chaparral, Broadleaf, Fair	75	57	91	357.88	340.74	315.74	102.94	45.85	6.85		1.00	0.25	193.62	322.70	387.24				
	120.49		S13	D	Chaparral, Broadleaf, Fair	81	64	95	78.77	75.99	71.87	30.63	17.69	6.45		1.00	0.20	36.15	60.24	72.29				
	25.50		S13	A	Chaparral, Narrowleaf, Fair	55	35	75	6.65	5.95	4.98	0.04	0.00	0.00		1.00	0.40	7.65	12.75	15.30				
	11.66		S13	B	Chaparral, Narrowleaf, Fair	72	53	89	5.91	5.59	5.12	1.40	0.51	0.02		1.00	0.30	3.50	5.83	7.00				
	497.07		S13	C	Chaparral, Narrowleaf, Fair	81	64	95	324.97	313.50	296.50	126.38	72.98	26.59		1.00	0.25	149.12	248.53	298.24				
	451.84		S13	D	Chaparral, Narrowleaf, Fair	86	72	97	334.45	325.92	313.09	164.56	111.34	58.04		1.00	0.20	135.55	225.92	271.11				
	4.19		S13	A	Open Brush, Fair	46	28	66	0.63	0.54	0.41	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52				
	1.00		S13	B	Open Brush, Fair	66	46	84	0.41	0.38	0.34	0.06	0.01	0.00		1.00	0.30	0.30	0.50	0.60				
	104.58		S13	C	Open Brush, Fair	77	59	92	61.40	58.72	54.80	19.68	9.70	2.19		1.00	0.25	31.37	52.29	62.75				
	161.75		S13	D	Open Brush, Fair	83	67	96	111.27	107.79	102.59	47.70	29.50	12.70		1.00	0.20	48.52	80.87	97.05				
	0.22		S13	A	Open Brush, Good	41	24	61	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13				
	0.06		S13	B	Open Brush, Good	63	43	81	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04				
	51.44		S13	C	Open Brush, Good	75	57	91	28.52	27.16	25.16	8.20	3.65	0.55		1.00	0.25	15.43	25.72	30.86				
	0.09		S13	D	Open Brush, Good	81	64	95	0.06	0.06	0.06	0.02	0.01	0.01		1.00	0.20	0.03	0.05	0.06				
	5.18		S13	A	Public Park	32	17	52	0.86	0.81	0.76	0.73	0.71	0.69		0.85	0.40	1.32	2.20	2.64				
	2.52		S13	B	Public Park	56	36	76	0.95	0.89	0.80	0.67	0.48	0.35		0.85	0.30	0.64	1.07	1.28				
	0.28		S13	D	Public Park	75	57	91	0.17	0.16	0.15	0.14	0.11	0.08		0.85	0.20	0.07	0.12	0.14				
	24.00		S13	A	Residential 1 acre lots	32	17	52	5.10	4.89	4.67	4.52	4.41	4.24		0.80	0.40	5.76	9.60	11.52				
	3.86		S13	B	Residential 1 acre lots	56	36	76	1.59	1.50	1.38	1.18	0.90	0.70		0.80	0.30	0.93	1.54	1.85				
	9.01		S13	C	Residential 1 acre lots	69	50	86	5.05	4.84	4.53	4.02	3.15	2.29		0.80	0.25	2.16	3.60	4.32				
	36.94		S13	A	Woodland, Grass, Fair	44	26	64	4.78	3.96	2.92	0.00	0.00	0.00		1.00	0.40	11.08	18.47	22.17				
	12.05		S13	B	Woodland, Grass, Fair	65	45	83	4.82	4.47	3.98	0.56	0.06	0.00		1.00	0.30	3.61	6.02	7.23				
	24.51		S13	C	Woodland, Grass, Fair	77	59	92	14.39	13.76	12.84	4.61	2.27	0.51		1.00	0.25	7.35	12.25	14.70				
	7.65		S13	D	Woodland, Grass, Fair	82	66	95	5.13	4.96	4.71	2.10	1.26	0.50		1.00	0.20	2.29	3.82	4.59				
	21.26		S14	A	Chaparral, Broadleaf, Fair	40	23	60	1.89	1.49	0.99	0.00	0.00	0.00		1.00	0.40	6.38	10.63	12.75				
	367.70		S14	C	Chaparral, Broadleaf, Fair	75	57	91	203.89	194.12	179.88	58.65	26.12	3.90		1.00	0.25	110.31	183.85	220.62				
	287.86		S14	D	Chaparral, Broadleaf, Fair	81	64	95	188.20	181.56	171.71	73.19	42.26	15.40		1.00	0.20	86.36	143.93	172.72				
	14.04		S14	A	Chaparral, Narrowleaf, Fair	55	35	75	3.66	3.28	2.74	0.02	0.00	0.00		1.00	0.40	4.21	7.02	8.43				
	0.02		S14	B	Chaparral, Narrowleaf, Fair	72	53	89	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01				
	174.85		S14	C																				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III				AMC/AMCII											

	2.48		S14	B	Public Park	56	36	76	0.93	0.87	0.79	0.66	0.47	0.34		0.85	0.30	0.63	1.05	1.26	
	0.73		S14	D	Public Park	75	57	91	0.45	0.43	0.41	0.36	0.29	0.21		0.85	0.20	0.19	0.31	0.37	
	50.10		S14	A	Woodland, Grass, Fair	44	26	64	6.48	5.38	3.95	0.00	0.00	0.00	1.00	0.40	15.03	25.05	30.06		
	0.85		S14	B	Woodland, Grass, Fair	65	45	83	0.34	0.31	0.28	0.04	0.00	0.00	1.00	0.30	0.25	0.42	0.51		
	13.64		S14	C	Woodland, Grass, Fair	77	59	92	8.01	7.66	7.15	2.57	1.27	0.29	1.00	0.25	4.09	6.82	8.18		
	12.11		S14	D	Woodland, Grass, Fair	82	66	95	8.13	7.86	7.45	3.32	1.99	0.79	1.00	0.20	3.63	6.06	7.27		
	35.60		S15	A	Chaparral, Broadleaf, Fair	40	23	60	3.16	2.49	1.66	0.00	0.00	0.00	1.00	0.40	10.68	17.80	21.36		
	20.35		S15	B	Chaparral, Broadleaf, Fair	63	43	81	7.55	6.96	6.13	0.69	0.02	0.00	1.00	0.30	6.10	10.17	12.21		
	209.04		S15	C	Chaparral, Broadleaf, Fair	75	57	91	115.92	110.36	102.27	33.34	14.85	2.22	1.00	0.25	62.71	104.52	125.42		
	53.93		S15	D	Chaparral, Broadleaf, Fair	81	64	95	35.26	34.01	32.17	13.71	7.92	2.89	1.00	0.20	16.18	26.96	32.36		
	0.29		S15	A	Chaparral, Narrowleaf, Fair	55	35	75	0.07	0.07	0.06	0.00	0.00	0.00	1.00	0.40	0.09	0.14	0.17		
	1.07		S15	B	Chaparral, Narrowleaf, Fair	72	53	89	0.54	0.51	0.47	0.13	0.05	0.00	1.00	0.30	0.32	0.54	0.64		
	52.44		S15	C	Chaparral, Narrowleaf, Fair	81	64	95	34.28	33.07	31.28	13.33	7.70	2.81	1.00	0.25	15.73	26.22	31.46		
	102.66		S15	D	Chaparral, Narrowleaf, Fair	86	72	97	75.99	74.05	71.14	37.39	25.30	13.19	1.00	0.20	30.80	51.33	61.60		
	3.28		S15	A	Commercial, Industrial	32	17	52	2.84	2.83	2.81	2.78	2.71	2.60	0.10	0.40	0.10	0.16	0.20		
	11.67		S15	C	Commercial, Industrial	69	50	86	10.63	10.56	10.46	10.27	9.89	9.38	0.10	0.25	0.35	0.58	0.70		
	12.74		S15	D	Commercial, Industrial	75	57	91	11.73	11.65	11.54	11.34	10.92	10.34	0.10	0.20	0.38	0.64	0.76		
	2.49		S15	A	Grass, Annual or Perennial, Fair	50	31	70	0.49	0.43	0.34	0.00	0.00	0.00	1.00	0.40	0.75	1.25	1.49		
	5.03		S15	B	Grass, Annual or Perennial, Fair	69	50	86	2.32	2.17	1.97	0.43	0.11	0.00	1.00	0.30	1.51	2.52	3.02		
	30.99		S15	C	Grass, Annual or Perennial, Fair	79	62	93	19.22	18.46	17.35	6.78	3.63	1.07	1.00	0.25	9.30	15.50	18.59		
	91.48		S15	D	Grass, Annual or Perennial, Fair	84	69	96	64.51	62.62	59.79	28.93	18.45	8.50	1.00	0.20	27.44	45.74	54.89		
	174.55		S15	A	Open Brush, Fair	46	28	66	26.40	22.32	16.98	0.00	0.00	0.00	1.00	0.40	52.37	87.28	104.73		
	23.72		S15	B	Open Brush, Fair	66	46	84	9.84	9.15	8.18	1.32	0.19	0.00	1.00	0.30	7.11	11.86	14.23		
	742.96		S15	C	Open Brush, Fair	77	59	92	436.16	417.16	389.29	139.83	68.93	15.54	1.00	0.25	222.89	371.48	445.77		
	293.38		S15	D	Open Brush, Fair	83	67	96	201.82	195.51	186.08	86.52	53.51	23.03	1.00	0.20	88.01	146.69	176.03		
	4.49		S15	A	Residential 5-7 dwellings/acre	32	17	52	2.22	2.19	2.15	2.12	2.06	1.98	0.50	0.40	0.67	1.12	1.35		
	1.27		S15	C	Residential 5-7 dwellings/acre	69	50	86	0.90	0.88	0.85	0.80	0.71	0.62	0.50	0.25	0.19	0.32	0.38		
	0.11		S15	D	Residential 5-7 dwellings/acre	75	57	91	0.09	0.08	0.08	0.08	0.07	0.06	0.50	0.20	0.02	0.03	0.03		
	285.97		S15	A	Woodland, Grass, Fair	44	26	64	36.99	30.69	22.57	0.00	0.00	0.00	1.00	0.40	85.79	142.99	171.58		
	28.71		S15	B	Woodland, Grass, Fair	65	45	83	11.49	10.66	9.48	1.35	0.13	0.00	1.00	0.30	8.61	14.36	17.23		
	33.62		S15	C	Woodland, Grass, Fair	77	59	92	19.73	18.88	17.61	6.33	3.12	0.70	1.00	0.25	10.09	16.81	20.17		
	89.19		S15	D	Woodland, Grass, Fair	82	66	95	59.83	57.84	54.88	24.46	14.64	5.83	1.00	0.20	26.76	44.60	53.52		
	21.74		S16	D	Barren	93	83	99	18.84	18.61	18.24	12.72	10.32	7.43	1.00	0.20	6.52	10.87	13.04		
	10.52		S16	A	Chaparral, Broadleaf, Fair	40	23	60	0.94	0.74	0.49	0.00	0.00	0.00	1.00	0.40	3.16	5.26	6.31		
	914.67		S16	C	Chaparral, Broadleaf, Fair	75	57	91	507.20	482.90	447.47	145.89	64.98	9.70	1.00	0.25	274.40	457.34	548.80		
	860.30		S16	D	Chaparral, Broadleaf, Fair	81	64	95	562.44	542.60	513.16	218.73	126.31	46.03	1.00	0.20	258.09	430.15	516.18		
	3.59		S16	A	Chaparral, Narrowleaf, Fair	55	35	75	0.94	0.84	0.70	0.01	0.00	0.00	1.00	0.40	1.08	1.79	2.15		
	147.16		S16	C	Chaparral, Narrowleaf, Fair	81	64	95	96.21	92.82	87.78	37.42	21.61	7.87	1.00	0.25	44.15	73.58	88.30		
	541.02		S16	D	Chaparral, Narrowleaf, Fair	86	72	97	400.45	390.25	374.88	197.04	133.32	69.49	1.00	0.20	162.31	270.51	324.61		
	1.56		S16	A	Open Brush, Fair	46	28	66	0.24	0.20	0.15	0.00	0.00	0.00	1.00	0.40	0.47	0.78	0.94		
	21.05		S16	C	Open Brush, Fair	77	59	92	12.36	11.82	11.03	3.96	1.95	0.44	1.00	0.25	6.32	10.53	12.63		
	492.25		S16	D	Open Brush, Fair	83	67	96	338.64	328.04	312.22	145.16	89.78	38.65	1.00	0.20	147.68	246.13	295.35		
	112.03		S16	C	Residential 2.5 acre lots	69	50	86	57.17	54.25	50.07	43.07	31.20	19.70	0.90	0.25	30.25	50.41	60.50		
	3.80		S16	A	Woodland, Grass, Fair	44	26	64	0.49	0.41	0.30	0.00	0.00	0.00	1.00	0.40	1.14	1.90	2.28		
	63.48		S16	C	Woodland, Grass, Fair	77	59	92	37.26	35.64	33.26	11.95	5.89	1.33	1.00	0.25	19.04	31.74	38.09		
	10.66		S16	D	Woodland, Grass, Fair	82	66	95	7.15	6.91	6.56	2.92	1.75	0.70	1.00	0.20	3.20	5.33	6.40		
	0.53		S17	A	Barren	78	61	93	0.32	0.31	0.29	0.11	0.06	0.01	1.00	0.40	0.16	0.26	0.32		
	21.11		S17	C	Barren	91	80	98	17.52	17.24	16.80	10.81	8.35	5.53	1.00	0.25	6.33	10.55	12.66		
	20.15		S17	D	Barren	93	83	99	17.46	17.24	16.91	11.79	9.57	6.88	1.00	0.20	6.04	10.07	12.09		
	72.38		S17	A	Chaparral, Broadleaf, Fair	40	23	60	6.43	5.07	3.38	0.00	0.00	0.00	1.00	0.40	21.71	36.19	43.43		
	209.48		S17	C	Chaparral, Broadleaf, Fair	75	57	91	116.16	110.59	102.48	33.41	14.88	2.22	1.00	0.25	62.84	104.74	125.69		
	13.50		S17	D	Chaparral, Broadleaf, Fair	81	64	95	8.83	8.52	8.06	3.43	1.98	0.72	1.00	0.20	4.05	6.75	8.10		
	9.54		S17	A	Chaparral, Narrowleaf, Fair	55	35	75	2.49	2.22	1.86	0.02	0.00	0.00	1.00	0.40	2.86	4.77	5.72		
	1.42		S17	B	Chaparral, Narrowleaf, Fair	72	53	89	0.72	0.68	0.62	0.17	0.06	0.00	1.00	0.30	0.43	0.71	0.85		
	11.72		S17	C	Chaparral, Narrowleaf, Fair	81	64	95	7.66	7.39	6.99	2.98	1.72	0.63	1.00	0.25	3.52	5.86	7.03		
	1.51		S17	D	Chaparral, Narrowleaf, Fair	86	72	97	1.12	1.09	1.05	0.55	0.37	0.19	1.00	0.20	0.45	0.76	0.91		
	0.07		S17	A	Commercial, Industrial	32	17	52	0.06	0.06	0.06	0.06	0.06	0.05	0.10	0.40	0.00	0.00	0.00		
	7.31		S17	C	Commercial, Industrial	69	50	86	6.66	6.62	6.55	6.43	6.20	5.87	0.10	0.25	0.22	0.37	0.44		
	6.95		S17	D	Commercial, Industrial	75	57	91	6.40	6.36	6.30	6.19	5.96	5.64	0.10	0.20	0.21	0.35	0.42		
	0.08		S17	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.01	0.01	0.00	0.00	0.00	1.00	0.40	0.02	0.04	0.05		
	0.41		S17	B	Grass, Annual or Perennial, Fair	69	50	86	0.19	0.18	0.16	0.03	0.01	0.00	1.00	0.30	0.12	0.20	0.24		
	0.48		S17	C	Grass, Annual or Perennial, Fair	79	62	93	0.30	0.29	0.27	0.11	0.06	0.02	1.00	0.25	0.14	0.24	0.29		
	29.46		S17	D	Grass, Annual or Perennial, Fair	84	69	96	20.78	20.17	19.25	9.32	5.94	2.74	1.00	0.20	8.84	14.73	17.68		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III					AMC/AMCII		5.63								

	0.33		S17	D	Woodland, Grass, Fair	82	66	95	0.22	0.22	0.21	0.09	0.05	0.02		1.00	0.20	0.10	0.17	0.20	
	6.56		S18	C	Chaparral, Broadleaf, Fair	75	57	91	3.64	3.46	3.21	1.05	0.47	0.07		1.00	0.25	1.97	3.28	3.93	
	0.00		S18	A	Chaparral, Narrowleaf, Fair	55	35	75	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00	
	2.82		S18	B	Chaparral, Narrowleaf, Fair	72	53	89	1.43	1.35	1.24	0.34	0.12	0.00		1.00	0.30	0.85	1.41	1.69	
	0.87		S18	C	Chaparral, Narrowleaf, Fair	81	64	95	0.57	0.55	0.52	0.22	0.13	0.05		1.00	0.25	0.26	0.44	0.52	
	19.41		S18	D	Chaparral, Narrowleaf, Fair	86	72	97	14.37	14.00	13.45	7.07	4.78	2.49		1.00	0.20	5.82	9.71	11.65	
	20.11		S18	A	Grass, Annual or Perennial, Fair	50	31	70	3.98	3.46	2.77	0.00	0.00	0.00		1.00	0.40	6.03	10.06	12.07	
	5.15		S18	B	Grass, Annual or Perennial, Fair	69	50	86	2.37	2.22	2.01	0.44	0.12	0.00		1.00	0.30	1.54	2.57	3.09	
	10.11		S18	C	Grass, Annual or Perennial, Fair	79	62	93	6.27	6.02	5.66	2.21	1.18	0.35		1.00	0.25	3.03	5.05	6.06	
	109.43		S18	D	Grass, Annual or Perennial, Fair	84	69	96	77.17	74.91	71.52	34.60	22.07	10.17		1.00	0.20	32.83	54.71	65.66	
	117.51		S18	A	Open Brush, Fair	46	28	66	17.77	15.02	11.43	0.00	0.00	0.00		1.00	0.40	35.25	58.75	70.50	
	59.26		S18	B	Open Brush, Fair	66	46	84	24.59	22.87	20.44	3.30	0.46	0.00		1.00	0.30	17.78	29.63	35.56	
	411.61		S18	C	Open Brush, Fair	77	59	92	241.64	231.11	215.67	77.47	38.19	8.61		1.00	0.25	123.48	205.81	246.97	
	146.66		S18	D	Open Brush, Fair	83	67	96	100.90	97.74	93.03	43.25	26.75	11.52		1.00	0.20	44.00	73.33	88.00	
	0.76		S18	A	Residential 5-7 dwellings/acre	32	17	52	0.37	0.37	0.36	0.36	0.35	0.33		0.50	0.40	0.11	0.19	0.23	
	48.45		S18	A	Woodland, Grass, Fair	44	26	64	6.27	5.20	3.82	0.00	0.00	0.00		1.00	0.40	14.54	24.23	29.07	
	14.00		S18	B	Woodland, Grass, Fair	65	45	83	5.60	5.19	4.62	0.66	0.06	0.00		1.00	0.30	4.20	7.00	8.40	
	17.16		S18	C	Woodland, Grass, Fair	77	59	92	10.07	9.63	8.99	3.23	1.59	0.36		1.00	0.25	5.15	8.58	10.29	
	37.74		S18	D	Woodland, Grass, Fair	82	66	95	25.31	24.47	23.22	10.35	6.19	2.47		1.00	0.20	11.32	18.87	22.64	
11927	4.4		s19	A	Residential 5-7 dwellings/acre	32	17	52	2.17	2.14	2.11	2.07	2.02	1.94		0.50	0.40	0.66	1.10	1.32	
11927	23.2		s19	A	Grass, Annual or Perennial, Fair	50	31	70	4.59	4.00	3.20	0.00	0.00	0.00		1.00	0.40	6.96	11.60	13.92	
11927	47.6		s19	A	Chaparral, Broadleaf, Fair	40	23	60	4.23	3.33	2.22	0.00	0.00	0.00		1.00	0.40	14.28	23.80	28.56	
11927	47.9		s19	A	Woodland, Grass, Fair	44	26	64	6.20	5.14	3.78	0.00	0.00	0.00		1.00	0.40	14.37	23.95	28.74	
11927	170.2		s19	A	Open Brush, Fair	46	28	66	25.74	21.76	16.56	0.00	0.00	0.00		1.00	0.40	51.06	85.10	102.12	
11927	4.2		s19	B	Grass, Annual or Perennial, Fair	69	50	86	1.93	1.81	1.64	0.36	0.09	0.00		1.00	0.30	1.26	2.10	2.52	
11927	6.7		s19	B	Chaparral, Broadleaf, Fair	63	43	81	2.49	2.29	2.02	0.23	0.01	0.00		1.00	0.30	2.01	3.35	4.02	
11927	13.9		s19	B	Open Brush, Fair	66	46	84	5.77	5.37	4.79	0.77	0.11	0.00		1.00	0.30	4.17	6.95	8.34	
11927	15.8		s19	B	Woodland, Grass, Fair	65	45	83	6.32	5.86	5.21	0.74	0.07	0.00		1.00	0.30	4.74	7.90	9.48	
11927	0.5		s19	C	Barren	91	80	98	0.41	0.41	0.40	0.26	0.20	0.13		1.00	0.25	0.15	0.25	0.30	
11927	53.3		s19	C	Chaparral, Narrowleaf, Fair	81	64	95	34.85	33.62	31.79	13.55	7.83	2.85		1.00	0.25	15.99	26.65	31.98	
11927	77.7		s19	C	Residential 2.5 acre lots	69	50	86	39.65	37.63	34.73	29.87	21.64	13.66		0.90	0.25	20.98	34.97	41.96	
11927	87.9		s19	C	Grass, Annual or Perennial, Fair	79	62	93	54.51	52.37	49.20	19.24	10.30	3.05		1.00	0.25	26.37	43.95	52.74	
11927	174.3		s19	C	Woodland, Grass, Fair	77	59	92	102.32	97.87	91.33	32.80	16.17	3.65		1.00	0.25	52.29	87.15	104.58	
11927	636.1		s19	C	Chaparral, Broadleaf, Fair	75	57	91	352.72	335.83	311.19	101.46	45.19	6.75		1.00	0.25	190.83	318.05	381.66	
11927	1061.1		s19	C	Open Brush, Fair	77	59	92	622.92	595.79	555.99	199.71	98.44	22.20		1.00	0.25	318.33	530.55	636.66	
11927	0.1		s19	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.06	
11927	10		s19	D	Woodland, Grass, Fair	82	66	95	6.71	6.48	6.15	2.74	1.64	0.65		1.00	0.20	3.00	5.00	6.00	
11927	68.8		s19	D	Grass, Annual or Perennial, Fair	84	69	96	48.52	47.10	44.97	21.76	13.87	6.39		1.00	0.20	20.64	34.40	41.28	
11927	143.4		s19	D	Chaparral, Narrowleaf, Fair	86	72	97	106.14	103.44	99.36	52.23	35.34	18.42		1.00	0.20	43.02	71.70	86.04	
11927	295.1		s19	D	Open Brush, Fair	83	67	96	203.01	196.66	187.18	87.03	53.82	23.17		1.00	0.20	88.53	147.55	177.06	
11927	399.8		s19	D	Chaparral, Broadleaf, Fair	81	64	95	261.38	252.16	238.48	101.65	58.70	21.39		1.00	0.20	119.94	199.90	239.88	
	3.13		S20	A	Chaparral, Broadleaf, Fair	40	23	60	0.28	0.22	0.15	0.00	0.00	0.00		1.00	0.40	0.94	1.56	1.88	
	156.82		S20	C	Chaparral, Broadleaf, Fair	75	57	91	86.96	82.79	76.72	25.01	11.14	1.66		1.00	0.25	47.05	78.41	94.09	
	368.60		S20	D	Chaparral, Broadleaf, Fair	81	64	95	240.98	232.48	219.87	93.72	54.12	19.72		1.00	0.20	110.58	184.30	221.16	
	0.22		S20	A	Chaparral, Narrowleaf, Fair	55	35	75	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13	
	92.39		S20	C	Chaparral, Narrowleaf, Fair	81	64	95	60.40	58.27	55.11	23.49	13.56	4.94		1.00	0.25	27.72	46.19	55.43	
	852.18		S20	D	Chaparral, Narrowleaf, Fair	86	72	97	630.77	614.70	590.49	310.37	209.99	109.46		1.00	0.20	255.65	426.09	511.31	
	0.66		S20	A	Open Brush, Fair	46	28	66	0.10	0.08	0.06	0.00	0.00	0.00		1.00	0.40	0.20	0.33	0.40	
	17.20		S20	C	Open Brush, Fair	77	59	92	10.10	9.66	9.01	3.24	1.60	0.36		1.00	0.25	5.16	8.60	10.32	
	269.04		S20	D	Open Brush, Fair	83	67	96	185.08	179.29	170.65	79.34	49.07	21.12		1.00	0.20	80.71	134.52	161.43	
	10.84		S20	C	Woodland, Fair	73	55	89	5.66	5.37	4.94	1.44	0.56	0.04		1.00	0.25	3.25	5.42	6.50	
	23.85		S20	D	Woodland, Fair	79	62	93	14.79	14.21	13.35	5.22	2.80	0.83		1.00	0.20	7.16	11.93	14.31	
	9.34		S20	A	Woodland, Grass, Fair	44	26	64	1.21	1.00	0.74	0.00	0.00	0.00		1.00	0.40	2.80	4.67	5.61	
	25.73		S20	C	Woodland, Grass, Fair	77	59	92	15.11	14.45	13.48	4.84	2.39	0.54		1.00	0.25	7.72	12.87	15.44	
	83.67		S20	D	Woodland, Grass, Fair	82	66	95	56.12	54.26	51.48	22.95	13.73	5.47		1.00	0.20	25.10	41.83	50.20	
	4.21		S21	A	Chaparral, Broadleaf, Fair	40	23	60	0.37	0.29	0.20	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52	
	127.31		S21	C	Chaparral, Broadleaf, Fair	75	57	91	70.60	67.21	62.28	20.31	9.04	1.35		1.00	0.25	38.19	63.66	76.39	
	434.86		S21	D	Chaparral, Broadleaf, Fair	81	64	95	284.30	274.27	259.39	110.56	63.85	23.27		1.00	0.20	130.46	217.43	260.92	
	3.55		S21	A	Chaparral, Narrowleaf, Fair	55	35	75	0.93	0.83	0.69	0.01	0.00	0.00		1.00	0.40	1.07	1.78	2.13	
	15.70		S21	C	Chaparral, Narrowleaf, Fair	81	64	95	10.26	9.90	9.36	3.99	2.30	0.84		1.00	0.25	4.71	7.85	9.42	
	517.19		S21	D	Chaparral, Narrowleaf, Fair	86	72	97	382.82	373.06	358.37	188.37	127.45	66.43		1.00	0.20	155.16	258.60	310.32	
	14.84		S21	A	Open Brush, Fair	46	28	66	2.25	1.90	1.44	0.00	0.00	0.00		1.00	0.40	4.45	7.42	8.91	
	33.40		S21	C	Open Brush, Fair	77	59	92	19.61	18.75	17.50	6.29	3.10	0.70		1.00	0.25	10.02	16.70	20.04	
	459.16		S21	D	Open Brush, Fair	83	67	96	315.87	305.99	291.23	135.41	83.74	36.05		1.00	0.20	137.75	229.58	275.49	
	5.29		S21	A	Woodland, Fair	36	20	56	0.28	0.21	0.11	0.00	0.00	0.00		1.00	0.40	1.59	2.65	3.18	
	44.52		S21	D	Woodland, Fair	79	62	93	27.61	26.52	24.92	9.74	5.22	1.54		1.00	0.20	13.36	22.26	26.71	
	36.64		S21	A	Woodland, Grass, Fair	44	26	64	4.74	3.93											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100	P ₂₄ (Inches)					AMC/AMCII					5.63														
						AMC																															
						II	I	III																													
																		EV					HC														
																		> 5					5					2					All				
	2.82		S22	B	Chaparral, Broadleaf, Fair	63	43	81	1.04	0.96	0.85	0.09	0.00	0.00		1.00	0.30	0.84	1.41	1.69																	
	393.29		S22	C	Chaparral, Broadleaf, Fair	75	57	91	218.08	207.63	192.40	62.73	27.94	4.17		1.00	0.25	117.99	196.64	235.97																	
	179.87		S22	D	Chaparral, Broadleaf, Fair	81	64	95	117.60	113.45	107.29	45.73	26.41	9.62		1.00	0.20	53.96	89.94	107.92																	
	0.08		S22	A	Chaparral, Narrowleaf, Fair	55	35	75	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.05																	
	121.85		S22	C	Chaparral, Narrowleaf, Fair	81	64	95	79.66	76.85	72.68	30.98	17.89	6.52		1.00	0.25	36.56	60.93	73.11																	
	144.00		S22	D	Chaparral, Narrowleaf, Fair	86	72	97	106.59	103.87	99.78	52.45	35.48	18.50		1.00	0.20	43.20	72.00	86.40																	
	2.33		S22	B	Commercial, Industrial	56	36	76	2.08	2.07	2.05	2.01	1.94	1.85		0.10	0.30	0.07	0.12	0.14																	
	2.24		S22	C	Commercial, Industrial	69	50	86	2.04	2.03	2.01	1.97	1.90	1.80		0.10	0.25	0.07	0.11	0.13																	
	2.22		S22	D	Commercial, Industrial	75	57	91	2.04	2.03	2.01	1.98	1.90	1.80		0.10	0.20	0.07	0.11	0.13																	
	4.94		S22	A	Grass, Annual or Perennial, Fair	50	31	70	0.98	0.85	0.68	0.00	0.00	0.00		1.00	0.40	1.48	2.47	2.97																	
	15.92		S22	B	Grass, Annual or Perennial, Fair	69	50	86	7.33	6.87	6.22	1.36	0.36	0.00		1.00	0.30	4.78	7.96	9.55																	
	56.74		S22	C	Grass, Annual or Perennial, Fair	79	62	93	35.19	33.80	31.76	12.42	6.65	1.97		1.00	0.25	17.02	28.37	34.05																	
	301.98		S22	D	Grass, Annual or Perennial, Fair	84	69	96	212.96	206.71	197.36	95.49	60.90	28.07		1.00	0.20	90.59	150.99	181.19																	
	42.78		S22	A	Open Brush, Fair	46	28	66	6.47	5.47	4.16	0.00	0.00	0.00		1.00	0.40	12.84	21.39	25.67																	
	14.27		S22	B	Open Brush, Fair	66	46	84	5.92	5.51	4.92	0.79	0.11	0.00		1.00	0.30	4.28	7.13	8.56																	
	483.19		S22	C	Open Brush, Fair	77	59	92	283.66	271.30	253.18	90.94	44.83	10.11		1.00	0.25	144.96	241.59	289.91																	
	756.78		S22	D	Open Brush, Fair	83	67	96	520.62	504.32	480.01	223.18	138.03	59.42		1.00	0.20	227.03	378.39	454.07																	
	4.36		S22	B	Public Park	56	36	76	1.64	1.54	1.39	1.17	0.83	0.60		0.85	0.30	1.11	1.85	2.22																	
	55.87		S22	C	Public Park	69	50	86	29.91	28.53	26.54	23.21	17.55	12.02		0.85	0.25	14.25	23.75	28.50																	
	83.63		S22	D	Public Park	75	57	91	51.48	49.54	46.72	41.85	33.08	23.64		0.85	0.20	21.33	35.54	42.65																	
	1.75		S22	C	Residential 2 dwellings/acre	69	50	86	1.07	1.03	0.98	0.89	0.74	0.58		0.70	0.25	0.37	0.61	0.73																	
	1.81		S22	D	Residential 2 dwellings/acre	75	57	91	1.22	1.19	1.13	1.04	0.88	0.70		0.70	0.20	0.38	0.63	0.76																	
	34.00		S22	B	Residential 3-4 dwellings/acre	56	36	76	18.67	18.05	17.19	15.84	13.78	12.15		0.60	0.30	6.12	10.20	12.24																	
	9.18		S22	C	Residential 3-4 dwellings/acre	69	50	86	6.06	5.89	5.65	5.23	4.52	3.78		0.60	0.25	1.65	2.75	3.30																	
	87.11		S22	D	Residential 3-4 dwellings/acre	75	57	91	62.48	60.97	58.76	54.91	47.87	39.99		0.60	0.20	15.68	26.13	31.36																	
	35.58		S22	B	Residential 5-7 dwellings/acre	56	36	76	21.98	21.42	20.64	19.40	17.47	15.83		0.50	0.30	5.34	8.90	10.67																	
	115.58		S22	C	Residential 5-7 dwellings/acre	69	50	86	82.14	80.30	77.63	73.08	65.08	56.61		0.50	0.25	17.34	28.89	34.67																	
	173.99		S22	D	Residential 5-7 dwellings/acre	75	57	91	131.86	129.26	125.42	118.72	106.32	92.14		0.50	0.20	26.10	43.50	52.20																	
	18.54		S22	B	Turf, Good	58	38	77	5.58	5.05	4.32	3.17	1.48	0.27		1.00	0.30	5.56	9.27	11.12																	
	96.29		S22	C	Turf, Good	72	53	89	48.79	46.12	42.26	35.71	24.34	12.87		1.00	0.25	28.89	48.14	57.77																	
	50.29		S22	D	Turf, Good	79	62	93	31.19	29.96	28.15	24.97	19.06	12.39		1.00	0.20	15.09	25.15	30.18																	
	0.24		S22	D	Turf, Good	79	62	93	0.15	0.14	0.13	0.12	0.09	0.06		1.00	0.20	0.07	0.12	0.14																	
	6.37		S22	B	Water	98	95	100	6.12	6.10	6.07	6.00	5.85	5.62		0.00	0.30	0.00	0.00	0.00																	
	13.17		S22	C	Water	98	95	100	12.66	12.62	12.55	12.41	12.10	11.62		0.00	0.25	0.00	0.00	0.00																	
	4.04		S22	D	Water	98	95	100	3.89	3.87	3.85	3.81	3.72	3.57		0.00	0.20	0.00	0.00	0.00																	
	111.58		S22	A	Woodland, Grass, Fair	44	26	64	14.43	11.97	8.81	0.00	0.00	0.00		1.00	0.40	33.47	55.79	66.95																	
	10.81		S22	B	Woodland, Grass, Fair	65	45	83	4.32	4.01	3.57	0.51	0.05	0.00		1.00	0.30	3.24	5.40	6.48																	
	116.11		S22	C	Woodland, Grass, Fair	77	59	92	68.16	65.19	60.84	21.85	10.77	2.43		1.00	0.25	34.83	58.05	69.66																	
	182.56		S22	D	Woodland, Grass, Fair	82	66	95	122.46	118.38	112.32	50.07	29.96	11.94		1.00	0.20	54.77	91.28	109.54																	
	9.49		S23	A	Chaparral, Broadleaf, Fair	40	23	60	0.84	0.66	0.44	0.00	0.00	0.00		1.00	0.40	2.85	4.75	5.69																	
	40.94		S23	C	Chaparral, Broadleaf, Fair	75	57	91	22.70	21.61	20.03	6.53	2.91	0.43		1.00	0.25	12.28	20.47	24.56																	
	3.64		S23	D	Chaparral, Broadleaf, Fair	81	64	95	2.38	2.30	2.17	0.93	0.53	0.19		1.00	0.20	1.09	1.82	2.18																	
	4.78		S23	A	Grass, Annual or Perennial, Fair	50	31	70	0.95	0.82	0.66	0.00	0.00	0.00		1.00	0.40	1.43	2.39	2.87																	
	3.71		S23	B	Grass, Annual or Perennial, Fair	69	50	86	1.71	1.60	1.45	0.32	0.08	0.00		1.00	0.30	1.11	1.85	2.22																	
	67.78		S23	C	Grass, Annual or Perennial, Fair	79	62	93	42.03	40.38	37.94	14.83	7.95	2.35		1.00	0.25	20.33	33.89	40.67																	
	228.76		S23	D	Grass, Annual or Perennial, Fair	84	69	96	161.32	156.59	149.51	72.34	46.13	21.26		1.00	0.20	68.63	114.38	137.25																	
	16.32		S23	A	Open Brush, Fair	46	28	66	2.47	2.09	1.59	0.00	0.00	0.00		1.00	0.40	4.90	8.16	9.79																	
	27.24		S23	B	Open Brush, Fair	66	46	84	11.30	10.52	9.40	1.52	0.21	0.00		1.00	0.30	8.17	13.62	16.35																	
	492.24		S23	C	Open Brush, Fair	77	59	92	288.97	276.38	257.92	92.64	45.67	10.30		1.00	0.25	147.67	246.12	295.34																	
	351.19		S23	D	Open Brush, Fair	83	67	96	241.59	234.03	222.75	103.57	64.05	27.57		1.00	0.20	105.36	175.59	210.71																	
	0.08		S23	D	Public Park	75	57	91	0.05	0.04	0.04	0.04	0.03	0.02		0.85	0.20	0.02	0.03	0.04																	
	1.08		S23	C	Residential 3-4 dwellings/acre	69	50	86	0.71	0.69	0.67	0.62	0.53	0.44		0.60	0.25	0.19	0.32	0.39																	
	0.00		S23	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00																	
	142.11		S23	A	Woodland, Grass, Fair	44	26	64	18.38	15.25	11.22	0.00	0.00	0.00		1.00	0.40	42.63	71.05	85.26																	
	6.84		S23	B	Woodland, Grass, Fair	65	45	83	2.74	2.54	2.26	0.32	0.03	0.00		1.00	0.30	2.05	3.42	4.10																	
	139.99		S23	C	Woodland, Grass, Fair	77	59	92	82.18	78.60	73.35	26.35	12.99	2.93		1.00	0.25	42.00	70.00	84.00																	
	47.57		S23	D	Woodland, Grass, Fair	82	66	95	31.91	30.85	29.27	13.05	7.81	3.11		1.00	0.20	14.27	23.78	28.54																	
	13.09		S24	A	Chaparral, Broadleaf, Fair	40	23	60	1.16	0.92	0.61	0.00	0.00	0.00		1.00	0.40	3.93	6.55	7.85																	
	276.29		S24	C	Chaparral, Broadleaf, Fair	75	57	91	153.20	145.86	135.16	44.07	19.63	2.93		1.00	0.25	82.89	138.14	165.77																	
	147.05		S24	D	Chaparral, Broadleaf, Fair	81	64	95	96.14	92.75	87.71	37.39	21.59	7.87		1.00	0.20	44.12	73.53	88.23																	
	6.85		S24	B	Chaparral, Narrowleaf, Fair	72	53	89	3.47	3.28	3.01	0.82	0.30	0.01		1.00	0.30	2.06	3.43	4.11																	
	97.55		S24	C																																	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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					P ₂₄ (Inches)	Storm Event (Year)			HC							
							100	50	25	10	5		2	100									
							AMC						AMC/AMCII							5.63			
							II	I	III														
	491.04		S24	D	Open Brush, Fair	83	67	96	337.80	327.23	311.45	144.81	89.56	38.55		1.00	0.20	147.31	245.52	294.62			
	103.80		S24	A	Woodland, Grass, Fair	44	26	64	13.43	11.14	8.19	0.00	0.00	0.00		1.00	0.40	31.14	51.90	62.28			
	3.00		S24	B	Woodland, Grass, Fair	65	45	83	1.20	1.11	0.99	0.14	0.01	0.00		1.00	0.30	0.90	1.50	1.80			
	103.45		S24	C	Woodland, Grass, Fair	77	59	92	60.73	58.09	54.21	19.47	9.60	2.16		1.00	0.25	31.04	51.73	62.07			
	80.24		S24	D	Woodland, Grass, Fair	82	66	95	53.82	52.03	49.37	22.01	13.17	5.25		1.00	0.20	24.07	40.12	48.14			
	0.38		S25	A	Chaparral, Broadleaf, Fair	40	23	60	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.11	0.19	0.23			
	10.79		S25	B	Chaparral, Broadleaf, Fair	63	43	81	4.00	3.69	3.25	0.36	0.01	0.00		1.00	0.30	3.24	5.39	6.47			
	180.22		S25	C	Chaparral, Broadleaf, Fair	75	57	91	99.93	95.15	88.17	28.75	12.80	1.91		1.00	0.25	54.07	90.11	108.13			
	52.57		S25	D	Chaparral, Broadleaf, Fair	81	64	95	34.37	33.16	31.36	13.37	7.72	2.81		1.00	0.20	15.77	26.29	31.54			
	7.58		S25	B	Chaparral, Narrowleaf, Fair	72	53	89	3.84	3.63	3.33	0.91	0.33	0.01		1.00	0.30	2.27	3.79	4.55			
	94.15		S25	C	Chaparral, Narrowleaf, Fair	81	64	95	61.56	59.38	56.16	23.94	13.82	5.04		1.00	0.25	28.25	47.08	56.49			
	99.70		S25	D	Chaparral, Narrowleaf, Fair	86	72	97	73.80	71.92	69.09	36.31	24.57	12.81		1.00	0.20	29.91	49.85	59.82			
	5.79		S25	A	Grass, Annual or Perennial, Fair	50	31	70	1.15	1.00	0.80	0.00	0.00	0.00		1.00	0.40	1.74	2.90	3.48			
	16.90		S25	B	Grass, Annual or Perennial, Fair	69	50	86	7.78	7.30	6.61	1.44	0.38	0.00		1.00	0.30	5.07	8.45	10.14			
	11.07		S25	C	Grass, Annual or Perennial, Fair	79	62	93	6.86	6.59	6.19	2.42	1.30	0.38		1.00	0.25	3.32	5.53	6.64			
	114.48		S25	D	Grass, Annual or Perennial, Fair	84	69	96	80.73	78.36	74.82	36.20	23.09	10.64		1.00	0.20	34.34	57.24	68.69			
	94.58		S25	A	Open Brush, Fair	46	28	66	14.31	12.09	9.20	0.00	0.00	0.00		1.00	0.40	28.38	47.29	56.75			
	159.36		S25	B	Open Brush, Fair	66	46	84	66.12	61.51	54.96	8.87	1.25	0.00		1.00	0.30	47.81	79.68	95.61			
	612.94		S25	C	Open Brush, Fair	77	59	92	359.83	344.16	321.17	115.36	56.86	12.82		1.00	0.25	183.88	306.47	367.77			
	479.25		S25	D	Open Brush, Fair	83	67	96	329.69	319.38	303.98	141.33	87.41	37.63		1.00	0.20	143.78	239.63	287.55			
	33.85		S25	A	Public Park	32	17	52	5.61	5.30	4.98	4.78	4.67	4.48		0.85	0.40	8.63	14.39	17.27			
	7.86		S25	B	Public Park	56	36	76	2.96	2.77	2.51	2.10	1.50	1.09		0.85	0.30	2.00	3.34	4.01			
	3.30		S25	C	Public Park	69	50	86	1.77	1.68	1.57	1.37	1.04	0.71		0.85	0.25	0.84	1.40	1.68			
	2.46		S25	D	Public Park	75	57	91	1.52	1.46	1.38	1.23	0.97	0.70		0.85	0.20	0.63	1.05	1.26			
	173.60		S25	A	Woodland, Grass, Fair	44	26	64	22.46	18.63	13.70	0.00	0.00	0.00		1.00	0.40	52.08	86.80	104.16			
	26.34		S25	B	Woodland, Grass, Fair	65	45	83	10.54	9.78	8.69	1.23	0.12	0.00		1.00	0.30	7.90	13.17	15.80			
	132.01		S25	C	Woodland, Grass, Fair	77	59	92	77.50	74.12	69.17	24.85	12.25	2.76		1.00	0.25	39.60	66.01	79.21			
	30.90		S25	D	Woodland, Grass, Fair	82	66	95	20.73	20.04	19.01	8.47	5.07	2.02		1.00	0.20	9.27	15.45	18.54			
	0.20	E-1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.25	0.05	0.09	0.11			
	0.50	E-1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.18	0.12		0.90	0.20	0.14	0.23	0.27			
	0.80	E-1	S26.1	D	Commercial	75	57	91	0.74	0.73	0.72	0.71	0.69	0.65		0.10	0.20	0.02	0.04	0.05			
	0.10	E-2	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	2.10	E-2	S26.1	D	Commercial	75	57	91	1.93	1.92	1.90	1.87	1.80	1.70		0.10	0.20	0.06	0.11	0.13			
	0.70	E-2	S26.1	D	Residential 2.5 acre lots	75	57	91	0.42	0.40	0.37	0.33	0.26	0.17		0.90	0.20	0.19	0.32	0.38			
	0.60	E-2.1	S26.1	B	Commercial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04			
	0.20	E-2.1	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.06	0.05	0.03	0.02		0.90	0.30	0.05	0.09	0.11			
	3.00	E-2.1	S26.1	C	Commercial	69	50	86	2.73	2.72	2.69	2.64	2.54	2.41		0.10	0.25	0.09	0.15	0.18			
	0.10	E-2.1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05			
	1.70	E-2.1	S26.1	D	Commercial	75	57	91	1.56	1.56	1.54	1.51	1.46	1.38		0.10	0.20	0.05	0.09	0.10			
	0.50	E-2.1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.18	0.12		0.90	0.20	0.14	0.23	0.27			
	2.00	E-3	S26.1	C	Residential 2.5 acre lots	69	50	86	1.02	0.97	0.89	0.77	0.56	0.35		0.90	0.25	0.54	0.90	1.08			
	2.20	E-3	S26.1	D	Residential 2.5 acre lots	75	57	91	1.31	1.26	1.18	1.04	0.80	0.54		0.90	0.20	0.59	0.99	1.19			
	4.20	E-3	S26.1	B	Residential 2.5 acre lots	56	36	76	1.44	1.33	1.19	0.96	0.62	0.40		0.90	0.30	1.13	1.89	2.27			
	5.30	E-3	S26.1	B	Commercial	56	36	76	4.73	4.70	4.65	4.57	4.42	4.21		0.10	0.30	0.16	0.27	0.32			
	7.10	E-3	S26.1	D	Commercial	75	57	91	6.54	6.50	6.43	6.32	6.09	5.76		0.10	0.20	0.21	0.36	0.43			
	8.80	E-3	S26.1	C	Commercial	69	50	86	7.84	7.78	7.71	7.57	7.29	6.91		0.10	0.25	0.26	0.43	0.52			
	0.60	E-4	S26.1	A	Residential 2.5 acre lots	32	17	52	0.07	0.07	0.06	0.06	0.06	0.05		0.90	0.40	0.16	0.27	0.32			
	1.30	E-4	S26.1	B	Residential 2.5 acre lots	56	36	76	0.45	0.41	0.37	0.30	0.19	0.12		0.90	0.30	0.35	0.59	0.70			
	5.60	E-4	S26.1	A	Commercial	32	17	52	4.86	4.84	4.80	4.75	4.63	4.45		0.10	0.40	0.17	0.28	0.34			
	8.30	E-4	S26.1	B	Commercial	56	36	76	7.41	7.36	7.29	7.16	6.92	6.60		0.10	0.30	0.25	0.42	0.50			
	5.60	E-5	S26.1	A	Apartments	32	17	52	4.33	4.31	4.27	4.22	4.12	3.95		0.20	0.40	0.34	0.56	0.67			
	12.30	E-5	S26.1	B	Apartments	56	36	76	10.13	10.03	9.88	9.64	9.20	8.70		0.20	0.30	0.74	1.23	1.48			
	0.50	E-5	S26.1	A	Commercial	32	17	52	0.43	0.43	0.43	0.42	0.41	0.40		0.10	0.40	0.02	0.03	0.03			
	5.40	E-5	S26.1	B	Commercial	56	36	76	4.82	4.79	4.74	4.66	4.50	4.29		0.10	0.30	0.16	0.27	0.32			
	4.70	E-5	S26.1	A	Residential 2.5 acre lots	32	17	52	0.56	0.51	0.47	0.44	0.43	0.41		0.90	0.40	1.27	2.12	2.54			
	4.20	E-5	S26.1	B	Residential 2.5 acre lots	56	36	76	1.44	1.33	1.19	0.96	0.62	0.40		0.90	0.30	1.13	1.89	2.27			
	9.90	E-5	S26.1	A	Commercial	32	17	52	8.59	8.55	8.49	8.40	8.19	7.86		0.10	0.40	0.30	0.50	0.59			
	0.10	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	0.10	OE-1	S26.1	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.20	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.11	0.11	0.10	0.03	0.01	0.00		1.00	0.25	0.06	0.10	0.12			
	0.50	OE-1	S26.1	C	Open Brush, Fair	77	59	92	0.29	0.28	0.26	0.09	0.05	0.01		1.00	0.25	0.15	0.25	0.30			
	2.10	OE-2	S26.1	D	Open Brush, Fair	83	67	96	1.44	1.40	1.33	0.62	0.38	0.16		1.00	0.20	0.63	1.05	1.26			
	3.10	OE-2	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	1.72	1.64	1.52	0.49	0.22	0.03		1.00	0.25	0.93	1.55	1.86			
	3.20	OE-2	S26.1	C	Open Brush, Fair	77	59	92	1.88	1.80	1.68	0.60	0.30	0.07		1.00	0.25	0.96	1.60	1.92			
	0.10	OE-3	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.30	OE-3	S26.1	B	Open Brush, Fair	66	46	84	0.12	0.12	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	0.70	OE-3	S26.1	B	Woodland, Grass, Fair	65	45	83	0.28	0.26	0.23	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	1.20	OE-3	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.78	0.76	0.72	0.31</											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)										5.63				
II	I	III	AMC/AMCII																				

	10.40	OE-3	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.77	5.49	5.09	1.66	0.74	0.11		1.00	0.25	3.12	5.20	6.24	
	0.10	OE-4	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.07	0.06	0.06	0.03	0.01	0.01		1.00	0.20	0.03	0.05	0.06	
	0.30	OE-4	S26.1	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	0.60	OE-4	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.32	0.29	0.10	0.04	0.01		1.00	0.25	0.18	0.30	0.36	
	0.10	OE-5	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01	
	0.90	OE-5	S26.1	B	Residential 2.5 acre lots	56	36	76	0.31	0.29	0.25	0.20	0.13	0.09		0.90	0.30	0.24	0.41	0.49	
	1.30	OE-5	S26.1	B	Commercial	56	36	76	1.16	1.15	1.14	1.12	1.08	1.03		0.10	0.30	0.04	0.07	0.08	
	0.80	OE-5	S26.1	D	Open Brush, Fair	83	67	96	0.55	0.53	0.51	0.24	0.15	0.06		1.00	0.20	0.24	0.40	0.48	
	2.40	OE-5	S26.1	C	Open Brush, Fair	77	59	92	1.41	1.35	1.26	0.45	0.22	0.05		1.00	0.25	0.72	1.20	1.44	
	3.20	OE-5	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.09	2.02	1.91	0.81	0.47	0.17		1.00	0.20	0.96	1.60	1.92	
	4.00	OE-5	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.48	1.37	1.20	0.13	0.00	0.00		1.00	0.30	1.20	2.00	2.40	
	7.10	OE-5	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	3.94	3.75	3.47	1.13	0.50	0.08		1.00	0.25	2.13	3.55	4.26	
	1.00	OE-6	S26.1	B	Commercial	56	36	76	0.89	0.89	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06	
	0.20	OE-6	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.06	0.05	0.03	0.02		0.90	0.30	0.05	0.09	0.11	
	0.50	OE-6	S26.1	B	Open Brush, Fair	66	46	84	0.21	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30	
	1.80	OE-6	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	1.00	0.95	0.88	0.29	0.13	0.02		1.00	0.25	0.54	0.90	1.08	
	2.60	OE-6	S26.1	D	Open Brush, Fair	83	67	96	1.79	1.73	1.65	0.77	0.47	0.20		1.00	0.20	0.78	1.30	1.56	
	3.40	OE-6	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.26	1.16	1.02	0.11	0.00	0.00		1.00	0.30	1.02	1.70	2.04	
	3.60	OE-6	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.35	2.27	2.15	0.92	0.53	0.19		1.00	0.20	1.08	1.80	2.16	
	0.10	OE-6	S26.1	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	4.60	OE-6	S26.1	C	Open Brush, Fair	77	59	92	2.70	2.58	2.41	0.87	0.43	0.10		1.00	0.25	1.38	2.30	2.76	
	0.7	F-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.46	0.44	0.42	0.18	0.10	0.04		1.00	0.20	0.21	0.35	0.42	
	0.5	F-1	S26.2	D	Open Brush, Fair	83	67	96	0.34	0.33	0.32	0.15	0.09	0.04		1.00	0.20	0.15	0.25	0.30	
	0.2	F-2	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	5.5	F-2	S26.2	B	Commercial	56	36	76	4.91	4.88	4.83	4.75	4.58	4.37		0.10	0.30	0.17	0.28	0.33	
	0.2	F-2	S26.2	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	0.1	F-2	S26.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05	
	0.1	F-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	1.0	F-2	S26.2	C	Commercial	69	50	86	0.91	0.91	0.90	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06	
	0.2	F-2	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12	
	0.1	F-2	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05	
	3.2	F-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.09	2.02	1.91	0.81	0.47	0.17		1.00	0.20	0.96	1.60	1.92	
	3.4	F-2	S26.2	D	Commercial	75	57	91	3.13	3.11	3.08	3.03	2.91	2.76		0.10	0.20	0.10	0.17	0.20	
	3.3	F-2	S26.2	D	Open Brush, Fair	83	67	96	2.27	2.20	2.09	0.97	0.60	0.26		1.00	0.20	0.99	1.65	1.98	
	0.7	F-2	S26.2	D	Residential 2.5 acre lots	75	57	91	0.42	0.40	0.37	0.33	0.26	0.17		0.90	0.20	0.19	0.32	0.38	
	0.5	F-3	S26.2	C	Residential 2.5 acre lots	69	50	86	0.26	0.24	0.22	0.19	0.14	0.09		0.90	0.25	0.14	0.23	0.27	
	2.1	F-3	S26.2	B	Residential 2.5 acre lots	56	36	76	0.72	0.67	0.59	0.48	0.31	0.20		0.90	0.30	0.57	0.95	1.13	
	3.0	F-3	S26.2	D	Residential 2.5 acre lots	75	57	91	1.79	1.71	1.61	1.42	1.09	0.74		0.90	0.20	0.81	1.35	1.62	
	5.9	F-3	S26.2	D	Commercial	75	57	91	5.43	5.40	5.35	5.25	5.06	4.79		0.10	0.20	0.18	0.30	0.35	
	7.7	F-3	S26.2	C	Commercial	69	50	86	7.02	6.97	6.90	6.78	6.53	6.19		0.10	0.25	0.23	0.39	0.46	
	13.6	F-3	S26.2	B	Commercial	56	36	76	12.14	12.06	11.94	11.73	11.33	10.81		0.10	0.30	0.41	0.68	0.82	
	3.8	F-4	S26.2	B	Commercial	56	36	76	3.39	3.37	3.34	3.28	3.17	3.02		0.10	0.30	0.11	0.19	0.23	
	0.6	F-4	S26.2	C	Commercial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04	
	0.1	F-4	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	2.4	F-4	S26.2	B	Residential 2.5 acre lots	56	36	76	0.82	0.76	0.68	0.55	0.36	0.23		0.90	0.30	0.65	1.08	1.30	
	2.2	F-4	S26.2	C	Residential 2.5 acre lots	69	50	86	1.12	1.07	0.98	0.85	0.61	0.39		0.90	0.25	0.59	0.99	1.19	
	0.3	F-4	S26.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
	12.3	F-5	S26.2	A	Commercial	32	17	52	10.67	10.62	10.55	10.43	10.17	9.77		0.10	0.40	0.37	0.62	0.74	
	26.8	F-5	S26.2	B	Commercial	56	36	76	23.92	23.76	23.53	23.12	22.33	21.30		0.10	0.30	0.80	1.34	1.61	
	2.0	F-5	S26.2	C	Commercial	69	50	86	1.82	1.81	1.79	1.76	1.70	1.61		0.10	0.25	0.06	0.10	0.12	
	2.7	F-5	S26.2	A	Residential 2.5 acre lots	32	17	52	0.32	0.30	0.27	0.25	0.25	0.24		0.90	0.40	0.73	1.22	1.46	
	0.8	F-5	S26.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.23	0.18	0.12	0.08		0.90	0.30	0.22	0.36	0.43	
	2.1	F-5	S26.2	C	Residential 2.5 acre lots	69	50	86	1.07	1.02	0.94	0.81	0.58	0.37		0.90	0.25	0.57	0.95	1.13	
	8.0	F-5	S26.2	A	Water	98	95	100	7.69	7.66	7.62	7.54	7.35	7.06		0.00	0.40	0.00	0.00	0.00	
	0.1	OF-1	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	0.5	OF-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.32	0.30	0.13	0.07	0.03		1.00	0.20	0.15	0.25	0.30	
	1.0	OF-1	S26.2	D	Open Brush, Fair	83	67	96	0.69	0.67	0.63	0.29	0.18	0.08		1.00	0.20	0.30	0.50	0.60	
	0.6	OF-10	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.32	0.29	0.10	0.04	0.01		1.00	0.25	0.18	0.30	0.36	
	0.1	OF-11	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05	
	0.4	OF-11	S26.2	C	Commercial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02	
	0.3	OF-11	S26.2	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	4.3	OF-11	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.38	2.27	2.10	0.69	0.31	0.05		1.00	0.25	1.29	2.15	2.58	
	0.1	OF-13	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	1.1	OF-13	S26.2	C	Open Brush, Fair	77	59	92	0.65	0.62	0.58	0.21	0.10	0.02		1.00	0.25	0.33	0.55	0.66	
	0.1	OF-14	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.8	OF-14	S26.2	B	Woodland, Grass, Fair	65	45	83	0.32	0.30	0.26	0.04	0.00	0.00		1.00	0.30	0.24	0.40	0.48	
	1.1	OF-14	S26.2	B	Open Brush, Fair	66	46	84	0.46	0.42	0.38	0.06	0.01	0.00		1.00	0.30	0.33	0.55	0.66	
	1.5	OF-14	S26.2	C	Woodland, Grass, Fair	77	59	92	0.88	0.84	0.79	0.28	0.14	0.03		1.00	0.25	0.45	0.75	0.90	
	3.6</																				

RANCHO MISSION VIEJO																									
PA-3&4 (Ultimate Conditions)																									
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)																									
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				
									P ₂₄ (Inches)																
									AMC/AMCII																
						II	I	III																	
	0.4	OF-15	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.08	0.04	0.01					1.00	0.25	0.12	0.20	0.24		
	1.0	OF-15	S26.2	D	Open Brush, Fair	83	67	96	0.69	0.67	0.63	0.29	0.18	0.08					1.00	0.20	0.30	0.50	0.60		
	0.1	OF-16	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01					1.00	0.20	0.03	0.05	0.06		
	0.4	OF-16	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.08	0.04	0.01					1.00	0.25	0.12	0.20	0.24		
	0.6	OF-16	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.36	0.34	0.13	0.07	0.02					1.00	0.25	0.18	0.30	0.36		
	0.7	OF-16	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.49	0.48	0.46	0.22	0.14	0.07					1.00	0.20	0.21	0.35	0.42		
	0.6	OF-17	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03					1.00	0.20	0.18	0.30	0.36		
	1.5	OF-17	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.06	1.03	0.98	0.47	0.30	0.14					1.00	0.20	0.45	0.75	0.90		
	1.7	OF-17	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.05	1.01	0.95	0.37	0.20	0.06					1.00	0.25	0.51	0.85	1.02		
	3.4	OF-17	S26.2	C	Open Brush, Fair	77	59	92	2.00	1.91	1.78	0.64	0.32	0.07					1.00	0.25	1.02	1.70	2.04		
	7.2	OF-17	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.99	3.80	3.52	1.15	0.51	0.08					1.00	0.25	2.16	3.60	4.32		
	0.1	OF-18	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.07	0.03	0.02	0.01					1.00	0.20	0.03	0.05	0.06		
	0.1	OF-18	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01					1.00	0.20	0.03	0.05	0.06		
	0.6	OF-18	S26.2	B	Open Brush, Fair	66	46	84	0.25	0.23	0.21	0.03	0.00	0.00					1.00	0.30	0.18	0.30	0.36		
	2.1	OF-18	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.30	1.25	1.18	0.46	0.25	0.07					1.00	0.25	0.63	1.05	1.26		
	8.9	OF-18	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	4.94	4.70	4.35	1.42	0.63	0.09					1.00	0.25	2.67	4.45	5.34		
	14.8	OF-18	S26.2	C	Open Brush, Fair	77	59	92	8.69	8.31	7.75	2.79	1.37	0.31					1.00	0.25	4.44	7.40	8.88		
	0.1	OF-19	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00					1.00	0.30	0.03	0.05	0.06		
	0.4	OF-19	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02					1.00	0.20	0.12	0.20	0.24		
	0.4	OF-19	S26.2	D	Open Brush, Fair	83	67	96	0.28	0.27	0.25	0.12	0.07	0.03					1.00	0.20	0.12	0.20	0.24		
	2.9	OF-19	S26.2	B	Open Brush, Fair	66	46	84	1.20	1.12	1.00	0.16	0.02	0.00					1.00	0.30	0.87	1.45	1.74		
	5.2	OF-19	S26.2	C	Open Brush, Fair	77	59	92	3.05	2.92	2.72	0.98	0.48	0.11					1.00	0.25	1.56	2.60	3.12		
	9.5	OF-19	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.27	5.02	4.65	1.52	0.67	0.10					1.00	0.25	2.85	4.75	5.70		
	1.0	OF-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.16	0.07	0.01					1.00	0.25	0.30	0.50	0.60		
	0.6	OF-2	S26.2	C	Open Brush, Fair	77	59	92	0.35	0.34	0.31	0.11	0.06	0.01					1.00	0.25	0.18	0.30	0.36		
	2.3	OF-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.50	1.45	1.37	0.58	0.34	0.12					1.00	0.20	0.69	1.15	1.38		
	1.0	OF-2	S26.2	D	Open Brush, Fair	83	67	96	0.69	0.67	0.63	0.29	0.18	0.08					1.00	0.20	0.30	0.50	0.60		
	0.2	OF-20	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00					1.00	0.30	0.06	0.10	0.12		
	0.5	OF-20	S26.2	B	Woodland, Grass, Fair	65	45	83	0.20	0.19	0.17	0.02	0.00	0.00					1.00	0.30	0.15	0.25	0.30		
	1.2	OF-20	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.74	0.71	0.67	0.26	0.14	0.04					1.00	0.25	0.36	0.60	0.72		
	3.6	OF-20	S26.2	C	Woodland, Grass, Fair	77	59	92	2.11	2.02	1.89	0.68	0.33	0.08					1.00	0.25	1.08	1.80	2.16		
	3.8	OF-20	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.75	1.64	1.49	0.32	0.08	0.00					1.00	0.30	1.14	1.90	2.28		
	6.1	OF-20	S26.2	B	Open Brush, Fair	66	46	84	2.53	2.35	2.10	0.34	0.05	0.00					1.00	0.30	1.83	3.05	3.66		
	14.3	OF-20	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	7.93	7.55	7.00	2.28	1.02	0.15					1.00	0.25	4.29	7.15	8.58		
	21.6	OF-20	S26.2	C	Open Brush, Fair	77	59	92	12.68	12.13	11.32	4.07	2.00	0.45					1.00	0.25	6.48	10.80	12.96		
	0.3	OF-21	S26.2	D	Open Brush, Fair	83	67	96	0.21	0.20	0.19	0.09	0.05	0.02					1.00	0.20	0.09	0.15	0.18		
	0.3	OF-21	S26.2	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01					1.00	0.25	0.09	0.15	0.18		
	0.6	OF-21	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03					1.00	0.20	0.18	0.30	0.36		
	2.3	OF-21	S26.2	C	Woodland, Grass, Fair	77	59	92	1.35	1.29	1.21	0.43	0.21	0.05					1.00	0.25	0.69	1.15	1.38		
	3.2	OF-21	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.77	1.69	1.57	0.51	0.23	0.03					1.00	0.25	0.96	1.60	1.92		
	0.1	OF-3	S26.2	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00					1.00	0.30	0.03	0.05	0.06		
	4.6	OF-3	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.55	2.43	2.25	0.73	0.33	0.05					1.00	0.25	1.38	2.30	2.76		
	4.0	OF-3	S26.2	C	Open Brush, Fair	77	59	92	2.35	2.25	2.10	0.75	0.37	0.08					1.00	0.25	1.20	2.00	2.40		
	0.6	OF-3	S26.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.34	0.31	0.11	0.06	0.01					1.00	0.25	0.18	0.30	0.36		
	2.7	OF-3	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.77	1.70	1.61	0.69	0.40	0.14					1.00	0.20	0.81	1.35	1.62		
	5.1	OF-3	S26.2	D	Open Brush, Fair	83	67	96	3.51	3.40	3.23	1.50	0.93	0.40					1.00	0.20	1.53	2.55	3.06		
	0.2	OF-4	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00					1.00	0.25	0.06	0.10	0.12		
	0.7	OF-4	S26.2	D	Open Brush, Fair	83	67	96	0.48	0.47	0.44	0.21	0.13	0.05					1.00	0.20	0.21	0.35	0.42		
	0.2	OF-5	S26.2	D	Woodland, Grass, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01					1.00	0.20	0.06	0.10	0.12		
	1.0	OF-5	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.16	0.07	0.01					1.00	0.25	0.30	0.50	0.60		
	1.4	OF-5	S26.2	C	Open Brush, Fair	77	59	92	0.82	0.79	0.73	0.26	0.13	0.03					1.00	0.25	0.42	0.70	0.84		
	4.4	OF-5	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.88	2.78	2.62	1.12	0.65	0.24					1.00	0.20	1.32	2.20	2.64		
	6.7	OF-5	S26.2	D	Open Brush, Fair	83	67	96	4.61	4.46	4.25	1.98	1.22	0.53					1.00	0.20	2.01	3.35	4.02		
	0.7	OF-6	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.46	0.44	0.42	0.18	0.10	0.04					1.00	0.20	0.21	0.35	0.42		
	1.4	OF-6	S26.2	D	Woodland, Grass, Fair	82	66	95	0.94	0.91	0.86	0.38	0.23	0.09					1.00	0.20	0.42	0.70	0.84		
	5.4	OF-6	S26.2	D	Open Brush, Fair	83	67	96	3.71	3.60	3.43														

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	Storm Event (Year)					HC				
						100	50	25	10	5	2	100	10	5	2	100			10	5	2	100	
						AMC			P ₂₄ (Inches)					AMC/AMCII					5.63				
						II	I	III															
	0.9	OF-8	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.41	0.39	0.35	0.08	0.02	0.00		1.00	0.30	0.27	0.45	0.54			
	3.8	OF-8	S26.2	D	Open Brush, Fair	83	67	96	2.61	2.53	2.41	1.12	0.69	0.30		1.00	0.20	1.14	1.90	2.28			
	4.2	OF-8	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.75	2.65	2.51	1.07	0.62	0.22		1.00	0.20	1.26	2.10	2.52			
	5.1	OF-8	S26.2	C	Woodland, Grass, Fair	77	59	92	2.99	2.86	2.67	0.96	0.47	0.11		1.00	0.25	1.53	2.55	3.06			
	7.0	OF-8	S26.2	C	Open Brush, Fair	77	59	92	4.11	3.93	3.67	1.32	0.65	0.15		1.00	0.25	2.10	3.50	4.20			
	12.0	OF-8	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	6.65	6.34	5.87	1.91	0.85	0.13		1.00	0.25	3.60	6.00	7.20			
	0.5	OF-9	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.35	0.34	0.33	0.16	0.10	0.05		1.00	0.20	0.15	0.25	0.30			
	0.7	OF-9	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.26	0.24	0.21	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	2.3	OF-9	S26.2	C	Woodland, Grass, Fair	77	59	92	1.35	1.29	1.21	0.43	0.21	0.05		1.00	0.25	0.69	1.15	1.38			
	2.4	OF-9	S26.2	B	Open Brush, Fair	66	46	84	1.00	0.93	0.83	0.13	0.02	0.00		1.00	0.30	0.72	1.20	1.44			
	2.5	OF-9	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.15	1.08	0.98	0.21	0.06	0.00		1.00	0.30	0.75	1.25	1.50			
	3.2	OF-9	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.98	1.91	1.79	0.70	0.38	0.11		1.00	0.25	0.96	1.60	1.92			
	7.4	OF-9	S26.2	D	Woodland, Grass, Fair	82	66	95	4.96	4.80	4.55	2.03	1.21	0.48		1.00	0.20	2.22	3.70	4.44			
	12.4	OF-9	S26.2	C	Open Brush, Fair	77	59	92	7.26	6.96	6.50	2.33	1.15	0.26		1.00	0.25	3.72	6.20	7.44			
	28.2	OF-9	S26.2	D	Open Brush, Fair	83	67	96	19.40	18.79	17.89	8.32	5.14	2.21		1.00	0.20	8.46	14.10	16.92			
	31.4	OF-9	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	20.53	19.80	18.73	7.98	4.61	1.68		1.00	0.20	9.42	15.70	18.84			
	42.4	OF-9	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	23.51	22.38	20.74	6.76	3.01	0.45		1.00	0.25	12.72	21.20	25.44			
	0.8	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.47	0.45	0.42	0.15	0.07	0.02		1.00	0.25	0.24	0.40	0.48			
	2.9	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.70	1.63	1.52	0.55	0.27	0.06		1.00	0.25	0.87	1.45	1.74			
	14.8	O-3	S26.3	C	Open Brush, Fair	77	59	92	8.69	8.31	7.75	2.79	1.37	0.31		1.00	0.25	4.44	7.40	8.88			
	0.2	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.25	0.05	0.09	0.11			
	0.1	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	11.7	O-4	S26.3	C	Open Brush, Fair	77	59	92	6.87	6.57	6.13	2.20	1.09	0.24		1.00	0.25	3.51	5.85	7.02			
	1.9	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	0.97	0.92	0.85	0.73	0.53	0.33		0.90	0.25	0.51	0.86	1.03			
	0.1	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.3	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.12	0.12	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	2.3	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.79	0.73	0.65	0.52	0.34	0.22		0.90	0.30	0.62	1.04	1.24			
	0.6	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	1	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.16	0.07	0.01		1.00	0.25	0.30	0.50	0.60			
	8.2	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.81	4.60	4.30	1.54	0.76	0.17		1.00	0.25	2.46	4.10	4.92			
	6.2	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	3.16	3.00	2.77	2.38	1.73	1.09		0.90	0.25	1.67	2.79	3.35			
	0.20	26.3-1	S26.3	A	Open Brush, Fair	46	28	66	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	0.20	26.3-1	S26.3	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.50	26.3-1	S26.3	B	Woodland, Grass, Fair	65	45	83	0.20	0.19	0.17	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	0.90	26.3-1	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.50	0.48	0.44	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54			
	0.50	26.3-1	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.30	0.28	0.11	0.06	0.02		1.00	0.25	0.15	0.25	0.30			
	11.50	26.3-1	S26.3	C	Open Brush, Fair	77	59	92	6.75	6.46	6.03	2.16	1.07	0.24		1.00	0.25	3.45	5.75	6.90			
	0.30	26.3-1	S26.3	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.20	26.3-2	S26.3	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	1.30	26.3-2	S26.3	C	Open Brush, Fair	77	59	92	0.76	0.73	0.68	0.24	0.12	0.03		1.00	0.25	0.39	0.65	0.78			
	1.3	26.3-2	S26.3	A	Public Park	32	17	52	0.22	0.20	0.19	0.18	0.18	0.17		0.85	0.40	0.33	0.55	0.66			
	1.4	26.3-2	S26.3	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40	0.04	0.07	0.08			
	1.7	26.3-2	S26.3	A	Residential 2.5 acre lots	32	17	52	0.20	0.19	0.17	0.16	0.16	0.15		0.90	0.40	0.46	0.77	0.92			
	12.4	26.3-2	S26.3	A	Open Brush, Fair	46	28	66	1.88	1.59	1.21	0.00	0.00	0.00		1.00	0.40	3.72	6.20	7.44			
	26.9	26.3-2	S26.3	A	Woodland, Grass, Fair	44	26	64	3.48	2.89	2.12	0.00	0.00	0.00		1.00	0.40	8.07	13.45	16.14			
	0.5	26.3-3	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.32	0.30	0.13	0.07	0.03		1.00	0.20	0.15	0.25	0.30			
	0.4	26.3-3	S26.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	0.4	26.3-3	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.22	0.21	0.20	0.06	0.03	0.00		1.00	0.25	0.12	0.20	0.24			
	0.6	26.3-3	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.36	0.34	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	C	Public Park	69	50	86	0.37	0.36	0.33	0.29	0.22	0.15		0.85	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	D	Chaparral, Narrowleaf, Fair	86	72	97	0.52	0.50	0.49	0.25	0.17	0.09		1.00	0.20	0.21	0.35	0.42			
	1.0	26.3-3	S26.3	D	Open Brush, Fair	83	67	96	0.69	0.67	0.63	0.29	0.18	0.08		1.00	0.20	0.30	0.50	0.60			
	1.2	26.3-3	S26.3	A	Open Brush, Fair	46	28	66	0.18	0.15	0.12	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	1.7	26.3-3	S26.3	D	Residential 2.5 acre lots	75	57	91	1.01	0.97	0.91	0.81	0.62	0.42		0.90	0.20	0.46	0.77	0.92			
	1.9	26.3-3	S26.3	C	Open Brush, Fair	77	59	92	1.12	1.07	1.00	0.36	0.18	0.04		1.00	0.25	0.57	0.95	1.14			
	2.1	26.3-3	S26.3	C	Residential 2.5 acre lots	69	50	86	1.07	1.02	0.94	0.81	0.58	0.37		0.90	0.25	0.57	0.95	1.13			
	2.9	26.3-3	S26.3	C	Chaparral, Narrowleaf, Fair	81	64	95	1.90	1.83	1.73	0.74	0.43	0.16		1.00	0.25	0.87	1.45	1.74			
	5.6	26.3-3	S26.3	C	Woodland, Grass, Fair	77	59	92	3.29	3.14	2.93	1.05	0.52	0.12		1.00	0.25	1.68	2.80	3.36			
	9.0	26.3-3	S26.3	A	Woodland, Grass, Fair	44	26	64	1.16	0.97	0.71	0.00	0.00	0.00		1.00	0.40	2.70	4.50	5.40			
	0.5	26.3-5	S26.3	B	Row Crops, Poor	81	64	95	0.33	0.32	0.30	0.13	0.07	0.03		1.00	0.30	0.15	0.25	0.30			
	0.7	26.3-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.28	0.26	0.23	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	1.3	26.3-5	S26.3	D	Public Park	75	57	91	0.80	0.77	0.73	0.65	0.51	0.37		0.85	0.20	0.33	0.55	0.66			
	1.3	26.3-5	S26.3	A	Residential 2.5 acre lots	32	17	52	0.15	0.14	0.13	0.12	0.12	0.11		0.90	0.40	0.35	0.59	0.70			
	1.9	26.3-5	S26.3	A	Row Crops, Poor	72	53	89	0.96	0.91	0.83	0.23	0.08	0.00		1.00	0.40	0.57	0.95	1.14			
	2.1	26.3-5	S26.3	C	Public Park	69	50	86	1.12	1.07	1.00	0.87	0.66	0.45		0.85	0.25	0.54	0.89	1.07			
	3.2	26.3-5	S26.3	A	Open Brush, Fair	46	28	66	0.48	0.41	0.31	0.00	0.00	0.00		1.00	0.40	0.96	1.60	1.92			
	3.5	26.3-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.45	0.38	0.28												

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMCI/AMCII							5.63							
																			Storm Event (Year)				
																			EV			HC	All
																			> 5	5	2		

	0.4	26.3-6	S26.3	D	Public Park	75	57	91	0.25	0.24	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20	
	0.6	26.3-6	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03		1.00	0.20	0.18	0.30	0.36	
	1.1	26.3-6	S26.3	A	Commercial, Industrial	32	17	52	0.95	0.95	0.94	0.93	0.91	0.87		0.10	0.40	0.03	0.06	0.07	
	0.8	26.3-6	S26.3	A	Public Park	32	17	52	0.13	0.13	0.12	0.11	0.11	0.11		0.85	0.40	0.20	0.34	0.41	
	0.8	26.3-6	S26.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.16	0.14	0.11	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48	
	0.9	26.3-6	S26.3	B	Woodland, Grass, Fair	65	45	83	0.36	0.33	0.30	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54	
	1.5	26.3-6	S26.3	A	Row Crops, Poor	72	53	89	0.76	0.72	0.66	0.18	0.07	0.00		1.00	0.40	0.45	0.75	0.90	
	1.6	26.3-6	S26.3	C	Open Brush, Fair	77	59	92	0.94	0.90	0.84	0.30	0.15	0.03		1.00	0.25	0.48	0.80	0.96	
	1.8	26.3-6	S26.3	D	Open Brush, Fair	83	67	96	1.24	1.20	1.14	0.53	0.33	0.14		1.00	0.20	0.54	0.90	1.08	
	1.9	26.3-6	S26.3	C	Woodland, Grass, Fair	77	59	92	1.12	1.07	1.00	0.36	0.18	0.04		1.00	0.25	0.57	0.95	1.14	
	3.3	26.3-6	S26.3	B	Open Brush, Fair	66	46	84	1.37	1.27	1.14	0.18	0.03	0.00		1.00	0.30	0.99	1.65	1.98	
	3.7	26.3-6	S26.3	C	Public Park	69	50	86	1.98	1.89	1.76	1.54	1.16	0.80		0.85	0.25	0.94	1.57	1.89	
	3.9	26.3-6	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	2.16	2.06	1.91	0.62	0.28	0.04		1.00	0.25	1.17	1.95	2.34	
	5.9	26.3-6	S26.3	B	Public Park	56	36	76	2.23	2.08	1.88	1.58	1.13	0.82		0.85	0.30	1.50	2.51	3.01	
	9.1	26.3-6	S26.3	A	Woodland, Grass, Fair	44	26	64	1.18	0.98	0.72	0.00	0.00	0.00		1.00	0.40	2.73	4.55	5.46	
	20.6	26.3-6	S26.3	A	Open Brush, Fair	46	28	66	3.12	2.63	2.00	0.00	0.00	0.00		1.00	0.40	6.18	10.30	12.36	
	1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.41	1.39	1.38	1.34	1.27	1.19		0.20	0.20	0.10	0.16	0.19	
	0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.95	0.94	0.92	0.90	0.85	0.80		0.20	0.25	0.07	0.11	0.13	
	0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
	1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.37	1.36	1.34	1.32	1.27	1.21		0.10	0.25	0.05	0.08	0.09	
	0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01	
	0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.60	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08	
	0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.44	0.44	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06	
	1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.73	1.72	1.70	1.67	1.61	1.53		0.10	0.25	0.06	0.10	0.11	
	2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.30	2.29	2.27	2.23	2.14	2.03		0.10	0.20	0.08	0.13	0.15	
	0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10	
	0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.62	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08	
	0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	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	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	0.2	C1-13	S27.2	C	Public Park	69	50	86	0.11	0.10	0.10	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
	6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.25	5.20	5.13	4.99	4.74	4.42		0.20	0.25	0.37	0.61	0.73	
	6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.37	5.32	5.25	5.11	4.85	4.52		0.20	0.20	0.37	0.61	0.73	
	1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.50	1.44	1.37		0.10	0.25	0.05	0.09	0.10	
	1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.11	1.06		0.10	0.20	0.04	0.07	0.08	
	3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.58	2.56	2.52	2.45	2.33	2.18		0.20	0.25	0.18	0.30	0.36	
	2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.85	1.83	1.81	1.76	1.67	1.56		0.20	0.20	0.13	0.21	0.25	
	3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.63	2.57	2.49	2.34	2.08	1.81		0.50	0.25	0.56	0.93	1.11	
	6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.55	4.46	4.33	4.09	3.67	3.18		0.50	0.20	0.90	1.50	1.80	
	0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.34	0.34	0.34	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05	
	0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
	6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.83	4.72	4.57	4.30	3.83	3.33		0.50	0.25	1.02	1.70	2.04	
	19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.48	14.19	13.77	13.03	11.67	10.11		0.50	0.20	2.87	4.78	5.73	
	0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02	
	0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.36	0.34	0.31	0.27	0.19	0.12		0.90	0.25	0.19	0.32	0.38	
	8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.33	6.18	5.98	5.63	5.01	4.36		0.50	0.25	1.34	2.23	2.67	
	7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.61	5.50	5.33	5.05	4.52	3.92		0.50	0.20	1.11	1.85	2.22	
	0.1	C1-17	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	1.4	C1-17	S27.2	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40	0.04	0.07	0.08	
	4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.28	4.26	4.21	4.14	4.00	3.82		0.10	0.30	0.14	0.24	0.29	
	5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.56	4.53	4.48	4.40	4.24	4.02		0.10	0.25	0.15	0.25	0.30	
	3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.41	3.38	3.35	3.29	3.17	3.00		0.10	0.20	0.11	0.19	0.22	
	5.0	C1-17	S27.2	D	Public Park	75	57	91	3.08	2.96	2.79	2.50	1.98	1.41		0.85	0.20	1.28	2.13	2.55	
	4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.44	3.41	3.36	3.27	3.11	2.90		0.20	0.25	0.24	0.40	0.48	
	12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.17	11.07	10.92	10.65	10.11	9.41		0.20	0.20	0.76	1.27	1.52	
	1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.38	0.35	0.31	0.25	0.16	0.10		0.90	0.30	0.30	0.50	0.59	
	1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.77	0.73	0.67	0.58	0.42	0.26		0.90	0.25	0.41	0.68	0.81	
	2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.49	1.43	1.34	1.19	0.91	0.62		0.90	0.20	0.68	1.13	1.35	
	0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03	
	4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.20	3.13	3.02	2.85	2.53	2.20		0.50	0.25	0.68	1.13	1.35	
	1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	1.06	1.04	1.01	0.96	0.86	0.74		0.50	0.20	0.21	0.35	0.42	
	2.2	C1-17	S27.2	B	School	56	36	76	1.21	1.17	1.11	1.02	0.89	0.79		0.60	0.30	0.40	0.66	0.79	
	6.8	C1-17	S27.2	C	School	69	50	86	4.49	4.37	4.19	3.88	3.35	2.80		0.60	0.25	1.22	2.04	2.45	
	7.9	C1-17	S27.2	D	School	75	57	91	5.67	5.53	5.33	4.98	4.34	3.63		0.60	0.20	1.42	2.37	2.84	
	0.1	C1-2	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	4.3	C1-2	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.78	3.75	3.70	3.60	3.42	3.19		0.20	0.20				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMCI/AMCII							5.63			EV			HC	All
	0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	0.7	C1-21	S27.2	C	School	69	50	86	0.46	0.45	0.43	0.40	0.34	0.29		0.60	0.25	0.13	0.21	0.25			
	0.1	C1-22	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
	2.0	C1-22	S27.2	C	Public Park	69	50	86	1.07	1.02	0.95	0.83	0.63	0.43		0.85	0.25	0.51	0.85	1.02			
	2.1	C1-22	S27.2	D	Public Park	75	57	91	1.29	1.24	1.17	1.05	0.83	0.59		0.85	0.20	0.54	0.89	1.07			
	5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.82	4.77	4.71	4.58	4.35	4.06		0.20	0.25	0.34	0.56	0.67			
	0.9	C1-22	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.72	0.67		0.20	0.20	0.05	0.09	0.11			
	3.1	C1-22	S27.2	C	School	69	50	86	2.05	1.99	1.91	1.77	1.53	1.28		0.60	0.25	0.56	0.93	1.12			
	0.3	C1-22	S27.2	D	School	75	57	91	0.22	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11			
	1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	1.00	1.00	0.99	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07			
	1.1	C1-23	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	3.1	C1-23	S27.2	C	Public Park	69	50	86	1.66	1.58	1.47	1.29	0.97	0.67		0.85	0.25	0.79	1.32	1.58			
	2.6	C1-23	S27.2	D	Public Park	75	57	91	1.60	1.54	1.45	1.30	1.03	0.73		0.85	0.20	0.66	1.11	1.33			
	4.8	C1-23	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.13	4.09	4.03	3.93	3.73	3.48		0.20	0.25	0.29	0.48	0.58			
	3.4	C1-23	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.99	2.96	2.92	2.85	2.71	2.52		0.20	0.20	0.20	0.34	0.41			
	3.1	C1-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.67	2.64	2.60	2.54	2.41	2.25		0.20	0.25	0.19	0.31	0.37			
	5.0	C1-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	4.40	4.36	4.30	4.19	3.98	3.71		0.20	0.20	0.30	0.50	0.60			
	0.2	C1-24	S27.2	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.25	0.05	0.09	0.11			
	1.2	C1-24	S27.2	D	Residential 2.5 acre lots	75	57	91	0.71	0.69	0.64	0.57	0.44	0.30		0.90	0.20	0.32	0.54	0.65			
	13.9	C1-24	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	9.88	9.66	9.34	8.79	7.83	6.81		0.50	0.25	2.09	3.48	4.17			
	18.6	C1-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.10	13.82	13.41	12.69	11.37	9.85		0.50	0.20	2.79	4.65	5.58			
	1.0	C1-25	S27.2	B	Commercial, Industrial	56	36	76	0.89	0.89	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06			
	6.1	C1-25	S27.2	C	Commercial, Industrial	69	50	86	5.56	5.52	5.47	5.37	5.17	4.90		0.10	0.25	0.18	0.31	0.37			
	12.9	C1-25	S27.2	D	Commercial, Industrial	75	57	91	11.88	11.80	11.69	11.48	11.06	10.47		0.10	0.20	0.39	0.65	0.77			
	0.3	C1-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
	0.9	C1-25	S27.2	B	Residential 2.5 acre lots	56	36	76	0.31	0.29	0.25	0.20	0.13	0.09		0.90	0.30	0.24	0.41	0.49			
	12.8	C1-25	S27.2	C	Residential 2.5 acre lots	69	50	86	6.53	6.20	5.72	4.92	3.56	2.25		0.90	0.25	3.46	5.76	6.91			
	23.2	C1-25	S27.2	D	Residential 2.5 acre lots	75	57	91	13.81	13.25	12.42	11.01	8.46	5.74		0.90	0.20	6.26	10.44	12.53			
	0.3	C1-25	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09			
	0.3	C1-25	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	4.8	C1-26	S27.2	C	Commercial, Industrial	69	50	86	4.37	4.35	4.30	4.23	4.07	3.86		0.10	0.25	0.14	0.24	0.29			
	4.8	C1-26	S27.2	D	Commercial, Industrial	75	57	91	4.42	4.39	4.35	4.27	4.12	3.90		0.10	0.20	0.14	0.24	0.29			
	0.1	C1-26	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	6.3	C1-26	S27.2	D	Public Park	75	57	91	3.88	3.73	3.52	3.15	2.49	1.78		0.85	0.20	1.61	2.68	3.21			
	5.0	C1-26	S27.2	B	Residential 10+ dwellings/acre	56	36	76	4.12	4.08	4.02	3.92	3.74	3.54		0.20	0.30	0.30	0.50	0.60			
	43.3	C1-26	S27.2	C	Residential 10+ dwellings/acre	69	50	86	37.28	36.92	36.38	35.43	33.63	31.41		0.20	0.25	2.60	4.33	5.20			
	38.7	C1-26	S27.2	D	Residential 10+ dwellings/acre	75	57	91	34.05	33.74	33.28	32.44	30.80	28.68		0.20	0.20	2.32	3.87	4.64			
	2.3	C1-26	S27.2	C	Residential 2.5 acre lots	69	50	86	1.17	1.11	1.03	0.88	0.64	0.40		0.90	0.25	0.62	1.04	1.24			
	3.6	C1-26	S27.2	D	Residential 2.5 acre lots	75	57	91	2.14	2.06	1.93	1.71	1.31	0.89		0.90	0.20	0.97	1.62	1.94			
	0.5	C1-27	S27.2	A	Apartments	32	17	52	0.39	0.38	0.38	0.38	0.37	0.35		0.20	0.40	0.03	0.05	0.06			
	14.8	C1-27	S27.2	B	Apartments	56	36	76	12.19	12.07	11.89	11.59	11.07	10.47		0.20	0.30	0.89	1.48	1.78			
	1.9	C1-27	S27.2	C	Apartments	69	50	86	1.64	1.62	1.60	1.55	1.48	1.38		0.20	0.25	0.11	0.19	0.23			
	9.9	C1-27	S27.2	D	Apartments	75	57	91	8.71	8.63	8.51	8.30	7.88	7.34		0.20	0.20	0.59	0.99	1.19			
	1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.56	1.55	1.54	1.53	1.49	1.43		0.10	0.40	0.05	0.09	0.11			
	8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.50	7.45	7.38	7.25	7.00	6.68		0.10	0.30	0.25	0.42	0.50			
	7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.92	6.88	6.81	6.69	6.44	6.11		0.10	0.25	0.23	0.38	0.46			
	14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.89	12.81	12.69	12.46	12.00	11.36		0.10	0.20	0.42	0.70	0.84			
	1.4	C1-27	S27.2	C	Public Park	69	50	86	0.75	0.71	0.67	0.58	0.44	0.30		0.85	0.25	0.36	0.60	0.71			
	0.3	C1-27	S27.2	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15			
	0.2	C1-27	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.15	0.15	0.15	0.15	0.15	0.14		0.20	0.40	0.01	0.02	0.02			
	0.3	C1-27	S27.2	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.24	0.22	0.21		0.20	0.30	0.02	0.03	0.04			
	12.2	C1-27	S27.2	C	Residential 10+ dwellings/acre	69	50	86	10.50	10.40	10.25	9.98	9.47	8.85		0.20	0.25	0.73	1.22	1.46			
	17.6	C1-27	S27.2	D	Residential 10+ dwellings/acre	75	57	91	15.49	15.34	15.13	14.75	14.01	13.05		0.20	0.20	1.06	1.76	2.11			
	0.3	C1-27	S27.2	B	Residential 2.5 acre lots	56	36	76	0.10	0.10	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16			
	0.9	C1-27	S27.2	C	Residential 2.5 acre lots	69	50	86	0.46	0.44	0.40	0.35	0.25	0.16		0.90	0.25	0.24	0.41	0.49			
	9.3	C1-27	S27.2	D	Residential 2.5 acre lots	75	57	91	5.54	5.31	4.98	4.41	3.39	2.30		0.90	0.20	2.51	4.19	5.02			
	0.2	C1-27	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06			
	5.3	C1-27	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.77	3.68	3.56	3.35	2.98	2.60		0.50	0.25	0.80	1.33	1.59			
	28.3	C1-27	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	21.45	21.02	20.40												

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100										
						AMC			P ₂₄ (Inches)				5.63									
						II	I	III	AMCI/AMCII													
Storm Event (Year)																			HC			
EV																			HC			
> 5																			5	2	2	All

	17.5	C1-30	S27.2	A	Apartments	32	17	52	13.55	13.46	13.35	13.19	12.86	12.35		0.20	0.40	1.05	1.75	2.10	
	1.5	C1-30	S27.2	B	Apartments	56	36	76	1.24	1.22	1.21	1.18	1.12	1.06		0.20	0.30	0.09	0.15	0.18	
	0.7	C1-30	S27.2	C	Apartments	69	50	86	0.60	0.60	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08	
	0.1	C1-30	S27.2	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.06	
	44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.70	38.52	38.26	37.82	36.89	35.42		0.10	0.40	1.34	2.23	2.68	
	0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.56		0.10	0.30	0.02	0.04	0.04	
	2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.82	1.81	1.79	1.76	1.70	1.61		0.10	0.25	0.06	0.10	0.12	
	4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.77	3.75	3.72	3.65	3.52	3.33		0.10	0.20	0.12	0.21	0.25	
	0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.64	2.63	2.60	2.55	2.46	2.33		0.10	0.25	0.09	0.15	0.17	
	4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.14	4.12	4.08	4.01	3.86	3.65		0.10	0.20	0.14	0.23	0.27	
	5.7	C1-4	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.91	4.86	4.79	4.66	4.43	4.13		0.20	0.25	0.34	0.57	0.68	
	2.4	C1-4	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.11	2.09	2.06	2.01	1.91	1.78		0.20	0.20	0.14	0.24	0.29	
	0.5	C1-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.38	0.37	0.36	0.35	0.32	0.28		0.40	0.25	0.06	0.10	0.12	
	5.7	C1-4	S27.2	C	School	69	50	86	3.77	3.66	3.51	3.25	2.80	2.34		0.60	0.25	1.03	1.71	2.05	
	6.7	C1-4	S27.2	D	School	75	57	91	4.81	4.69	4.52	4.22	3.88	3.08		0.60	0.20	1.21	2.01	2.41	
	0.1	C1-4	S27.2	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.91	0.91	0.90	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06	
	0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.83	0.82	0.82	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05	
	0.6	C1-5	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.47	0.44		0.20	0.25	0.04	0.06	0.07	
	0.1	C1-5	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
	0.1	C1-5	S27.2	C	School	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04	
	0.5	C1-5	S27.2	D	School	75	57	91	0.36	0.35	0.34	0.32	0.27	0.23		0.60	0.20	0.09	0.15	0.18	
	1.7	C1-6	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.50	1.44	1.37		0.10	0.25	0.05	0.09	0.10	
	4.4	C1-6	S27.2	D	Commercial, Industrial	75	57	91	4.05	4.03	3.99	3.92	3.77	3.57		0.10	0.20	0.13	0.22	0.26	
	0.6	C1-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.47	0.44		0.20	0.25	0.04	0.06	0.07	
	1.3	C1-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.12	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16	
	2.8	C1-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.85	1.80	1.72	1.60	1.38	1.15		0.60	0.25	0.50	0.84	1.01	
	7.1	C1-6	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	5.08	4.97	4.79	4.48	3.90	3.26		0.60	0.20	1.28	2.13	2.56	
	3.3	C1-7	S27.2	C	Commercial, Industrial	69	50	86	3.01	2.99	2.96	2.90	2.80	2.65		0.10	0.25	0.10	0.17	0.20	
	0.4	C1-7	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
	0.1	C1-7	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05	
	0.2	C1-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	1.2	C2-1	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.91	0.90	0.87	0.83	0.76	0.68		0.40	0.25	0.14	0.24	0.29	
	0.5	C2-10	S27.2	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.18	0.12		0.90	0.20	0.14	0.23	0.27	
	0.2	C2-10	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.13	0.11	0.09		0.60	0.20	0.04	0.06	0.07	
	0.9	C2-11	S27.2	C	Residential 2.5 acre lots	69	50	86	0.46	0.44	0.40	0.35	0.25	0.16		0.90	0.25	0.24	0.41	0.49	
	0.3	C2-11	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
	0.1	C2-11	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04	
	0.1	C2-11	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	0.3	C2-11	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	2.0	C2-12	S27.2	C	Residential 2.5 acre lots	69	50	86	1.02	0.97	0.89	0.77	0.56	0.35		0.90	0.25	0.54	0.90	1.08	
	0.4	C2-12	S27.2	D	Residential 2.5 acre lots	75	57	91	0.24	0.23	0.21	0.19	0.15	0.10		0.90	0.20	0.11	0.18	0.22	
	0.4	C2-12	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27	0.25	0.23	0.20		0.50	0.25	0.06	0.10	0.12	
	0.3	C2-12	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	0.1	C2-13	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	1.5	C2-13	S27.2	C	Commercial, Industrial	69	50	86	1.37	1.36	1.34	1.32	1.27	1.21		0.10	0.25	0.05	0.08	0.09	
	0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.43	1.36	1.25	1.08	0.78	0.49		0.90	0.25	0.76	1.26	1.51	
	1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.60	0.57	0.54	0.47	0.36	0.25		0.90	0.20	0.27	0.45	0.54	
	0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03	
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.82	0.81	0.81	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05	
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04	
	6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.48	4.38	4.23	3.98	3.55	3.09		0.50	0.25	0.95	1.58	1.89	
	3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.80	2.75	2.67	2.52	2.26	1.96		0.50	0.20	0.56	0.93	1.11	
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.38	1.36	1.34	1.31	1.24	1.16		0.20	0.25	0.10	0.16	0.19	
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.59	9.50	9.37	9.14	8.67	8.08		0.20	0.20	0.65	1.09	1.31	
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.18	1.18	1.17	1.14	1.10	1.04		0.10	0.25	0.04	0.07	0.08	
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.11	1.06		0.10	0.20	0.04	0.07	0.08	
	1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.95	0.94	0.92	0.90	0.85	0.80		0.20	0.25	0.07	0.11	0.13	
	7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	6.16	6.10	6.02	5.87	5.57	5.19		0.20	0.20	0.42	0.70	0.84	
	0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.29	0.28	0.27	0.25	0.22	0.18		0.60	0.20	0.07	0.12	0.14	
	4.9	C2-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.48	3.40	3.29	3.10	2.76	2.40		0.50	0.25	0.74	1.23	1.47	
	9.3	C2-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	7.05	6.91	6.70	6.35	5.88	4.93		0.50	0.20	1.40	2.33	2.79	
	0.3	C2-15	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07	
	0.1	C2-15	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02	
	3.3	C2-2	S2																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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								
								EV								HC								
								100	50	25	10	5	2	100										
						AMC		P ₂₄ (Inches)								5.63								
								II	I	III	AMCI/AMCII													
	0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.13	0.11	0.09		0.60	0.20	0.04	0.06	0.07				
	1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.77	0.74	0.70	0.62	0.47	0.32		0.90	0.20	0.35	0.59	0.70				
	0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.36	0.35	0.34	0.32	0.27	0.23		0.60	0.20	0.09	0.15	0.18				
	0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.23	0.18	0.12	0.08		0.90	0.30	0.22	0.36	0.43				
	1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.61	0.58	0.54	0.46	0.33	0.21		0.90	0.25	0.32	0.54	0.65				
	0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11				
	0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.22	0.21	0.20	0.19	0.16	0.14		0.60	0.30	0.07	0.12	0.14				
	1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.12	1.09	1.05	0.97	0.84	0.70		0.60	0.25	0.31	0.51	0.61				
	0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04				
	0.8	C2-23	S27.2	C	Apartments	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10				
	0.4	C2-23	S27.2	D	Apartments	75	57	91	0.35	0.35	0.34	0.34	0.32	0.30		0.20	0.20	0.02	0.04	0.05				
	0.9	C2-23	S27.2	B	Public Park	56	36	76	0.34	0.32	0.29	0.24	0.17	0.12		0.85	0.30	0.23	0.38	0.46				
	0.4	C2-23	S27.2	C	Public Park	69	50	86	0.21	0.20	0.19	0.17	0.13	0.09		0.85	0.25	0.10	0.17	0.20				
	0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05				
	0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.36	0.34	0.31	0.27	0.19	0.12		0.90	0.25	0.19	0.32	0.38				
	3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.81	1.75	1.67	1.54	1.34	1.18		0.60	0.30	0.59	0.99	1.19				
	2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.39	1.35	1.29	1.20	1.03	0.86		0.60	0.25	0.38	0.63	0.76				
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.19	3.15	3.11	3.03	2.87	2.68		0.20	0.25	0.22	0.37	0.44				
	6.8	C2-24	S27.2	D	Apartments	75	57	91	5.98	5.93	5.85	5.70	5.41	5.04		0.20	0.20	0.41	0.68	0.82				
	0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.60	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08				
	2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.29	2.27	2.24	2.18	2.07	1.93		0.20	0.20	0.16	0.26	0.31				
	2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.45	1.41	1.35	1.25	1.08	0.90		0.60	0.25	0.40	0.66	0.79				
	9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	7.10	6.93	6.68	6.24	5.44	4.54		0.60	0.20	1.78	2.97	3.56				
	1.3	C2-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.99	0.97	0.94	0.89	0.79	0.69		0.50	0.20	0.20	0.33	0.39				
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.50	1.44	1.37		0.10	0.25	0.05	0.09	0.10				
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.67	2.65	2.63	2.58	2.49	2.35		0.10	0.20	0.09	0.15	0.17				
	3.6	C2-25	S27.2	D	Public Park	75	57	91	2.22	2.13	2.01	1.80	1.42	1.02		0.85	0.20	0.92	1.53	1.84				
	4.5	C2-25	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.87	3.84	3.78	3.68	3.49	3.26		0.20	0.25	0.27	0.45	0.54				
	4.5	C2-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.96	3.92	3.87	3.77	3.58	3.34		0.20	0.20	0.27	0.45	0.54				
	0.1	C2-25	S27.2	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05				
	0.8	C2-25	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.61	0.60	0.58	0.56	0.51	0.45		0.40	0.25	0.10	0.16	0.19				
	0.2	C2-25	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.13	0.12		0.40	0.20	0.02	0.04	0.05				
	0.7	C2-26	S27.2	A	Public Park	32	17	52	0.12	0.11	0.10	0.10	0.10	0.09		0.85	0.40	0.18	0.30	0.36				
	8.9	C2-26	S27.2	B	Public Park	56	36	76	3.36	3.14	2.84	2.38	1.70	1.23		0.85	0.30	2.27	3.78	4.54				
	1.2	C2-26	S27.2	C	Public Park	69	50	86	0.64	0.61	0.57	0.50	0.38	0.26		0.85	0.25	0.31	0.51	0.61				
	3.7	C2-26	S27.2	D	Public Park	75	57	91	2.28	2.19	2.07	1.85	1.46	1.05		0.85	0.20	0.94	1.57	1.89				
	7.4	C2-27	S27.2	A	Apartments	32	17	52	5.73	5.69	5.65	5.58	5.44	5.22		0.20	0.40	0.44	0.74	0.89				
	15.0	C2-27	S27.2	B	Apartments	56	36	76	12.36	12.23	12.05	11.75	11.22	10.61		0.20	0.30	0.90	1.50	1.80				
	5.8	C2-27	S27.2	C	Apartments	69	50	86	4.99	4.95	4.87	4.75	4.50	4.21		0.20	0.25	0.35	0.58	0.70				
	2.5	C2-27	S27.2	D	Apartments	75	57	91	2.20	2.18	2.15	2.10	1.99	1.85		0.20	0.20	0.15	0.25	0.30				
	9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.90	7.86	7.81	7.72	7.53	7.23		0.10	0.40	0.27	0.46	0.55				
	1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.34	1.33	1.32	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09				
	0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.46	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03				
	0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02				
	0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	2.0	C2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	1.02	0.97	0.89	0.77	0.56	0.35		0.90	0.25	0.54	0.90	1.08				
	8.8	C2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	5.81	5.65	5.42	5.02	4.33	3.62		0.60	0.25	1.58	2.64	3.17				
	0.1	C2-3	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02				
	4.9	C2-3	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.73	3.66	3.57	3.40	3.11	2.78		0.40	0.25	0.59	0.98	1.18				
	0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01				
	0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01				
	0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	4.9	C2-4	S27.2	C	Residential 2.5 acre lots	69	50	86	2.50	2.37	2.19	1.88	1.36	0.86		0.90	0.25	1.32	2.21	2.65				
	1.5	C2-4	S27.2	D	Residential 2.5 acre lots	75	57	91	0.89	0.86	0.80	0.71	0.55	0.37		0.90	0.20	0.41	0.68	0.81				
	1.0	C2-4	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.66	0.64	0.62	0.57	0.49	0.41		0.60	0.25	0.18	0.30	0.36				
	8.8	C2-4	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.25	6.11	5.91	5.56	4.96	4.31		0.50	0.25	1.32	2.20	2.64				
	4.2	C2-4	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	3.18	3.12	3.03	2.87	2.57	2.22		0.50	0.20	0.63	1.05	1.26				
	1.1	C2-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.84	0.82	0.80	0.76	0.70	0.63		0.40	0.25	0.13	0.22	0.26				
	0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01				
	1.8	C2-5	S27.2	C	Public Park	69	50	86	0.96	0.92	0.86	0.75	0.57	0.39		0.85	0.25	0.46	0.77	0.92				
	0.4	C2-5	S27.2	D	Public Park	75	57	91	0.25	0.24	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20				
	1.8	C2-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.92	0.87	0.80	0.69	0.50	0.32		0.90	0.25	0.49	0.81	0.97				
	2.8	C2-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.67	1.60	1.50	1.33	1.02	0.69		0.90								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III					AMC/AMCII	5.63									

	0.9	C2-6	S27.2	D	Public Park	75	57	91	0.55	0.53	0.50	0.45	0.36	0.25		0.85	0.20	0.23	0.38	0.46
36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	31.34	31.04	30.58	29.79	28.27	26.40		0.20	0.25	2.18	3.64	4.37	
13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.97	11.86	11.69	11.40	10.82	10.08		0.20	0.20	0.82	1.36	1.63	
4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	2.40	2.28	2.10	1.81	1.31	0.83		0.90	0.25	1.27	2.12	2.54	
2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.25	1.20	1.12	1.00	0.77	0.52		0.90	0.20	0.57	0.95	1.13	
0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04	
0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09	
0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03	
0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.07	0.06	0.05		0.40	0.30	0.01	0.02	0.02	
9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	7.08	6.95	6.77	6.46	5.90	5.29		0.40	0.25	1.12	1.86	2.23	
0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.71	0.69	0.66	0.61	0.54		0.40	0.20	0.11	0.18	0.22	
0.3	C2-7	S27.2	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04	
0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04	
9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.29	8.24	8.16	8.01	7.71	7.31		0.10	0.25	0.27	0.46	0.55	
6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.17	6.13	6.07	5.96	5.74	5.44		0.10	0.20	0.20	0.34	0.40	
0.5	C2-7	S27.2	C	Public Park	69	50	86	0.27	0.26	0.24	0.21	0.16	0.11		0.85	0.25	0.13	0.21	0.26	
2.6	C2-7	S27.2	D	Public Park	75	57	91	1.60	1.54	1.45	1.30	1.03	0.73		0.85	0.20	0.66	1.11	1.33	
0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.46	0.46	0.46	0.45	0.44	0.42		0.20	0.40	0.04	0.06	0.07	
2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.98	1.96	1.93	1.88	1.79	1.70		0.20	0.30	0.14	0.24	0.29	
10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	9.13	9.04	8.91	8.67	8.23	7.69		0.20	0.25	0.64	1.06	1.27	
0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.52	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07	
1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.97	0.92	0.85	0.73	0.53	0.33		0.90	0.25	0.51	0.86	1.03	
0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.42	0.40	0.37	0.33	0.26	0.17		0.90	0.20	0.19	0.32	0.38	
14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	9.45	9.18	8.80	8.16	7.04	5.88		0.60	0.25	2.57	4.29	5.15	
15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	10.97	10.71	10.32	9.64	8.41	7.02		0.60	0.20	2.75	4.59	5.51	
0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.20	0.19	0.19	0.19	0.18	0.18		0.50	0.40	0.06	0.10	0.12	
1.5	C2-7	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.93	0.90	0.87	0.82	0.74	0.67		0.50	0.30	0.23	0.38	0.45	
5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.62	3.54	3.43	3.22	2.87	2.50		0.50	0.25	0.77	1.28	1.53	
0.9	C2-7	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.68	0.67	0.65	0.61	0.55	0.48		0.50	0.20	0.14	0.23	0.27	
3.5	C2-7	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	2.40	2.36	2.29	2.19	2.02	1.86		0.40	0.30	0.42	0.70	0.84	
8.4	C2-7	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.39	6.28	6.11	5.83	5.33	4.77		0.40	0.25	1.01	1.68	2.02	
2.8	C2-7	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	2.24	2.20	2.15	2.06	1.88	1.68		0.40	0.20	0.34	0.56	0.67	
0.6	C2-7	S27.2	B	School	56	36	76	0.33	0.32	0.30	0.28	0.24	0.21		0.60	0.30	0.11	0.18	0.22	
1.5	C2-7	S27.2	C	School	69	50	86	0.99	0.96	0.92	0.86	0.74	0.62		0.60	0.25	0.27	0.45	0.54	
3.5	C2-7	S27.2	D	School	75	57	91	2.51	2.45	2.36	2.21	1.92	1.61		0.60	0.20	0.63	1.05	1.26	
0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.56		0.10	0.30	0.02	0.04	0.04	
0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01	
0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
5.7	C2-8	S27.2	B	Public Park	56	36	76	2.15	2.01	1.82	1.52	1.09	0.79		0.85	0.30	1.45	2.42	2.91	
4.5	C2-8	S27.2	C	Public Park	69	50	86	2.41	2.30	2.14	1.87	1.41	0.97		0.85	0.25	1.15	1.91	2.30	
9.4	C2-8	S27.2	D	Public Park	75	57	91	5.79	5.57	5.25	4.70	3.72	2.66		0.85	0.20	2.40	4.00	4.79	
0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.25	0.06	0.10	0.12	
1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.70	0.67	0.63	0.23	0.11	0.03		1.00	0.25	0.36	0.60	0.72	
1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	1.11	1.07	1.01	0.43	0.25	0.09		1.00	0.25	0.51	0.85	1.02	
0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.44	0.43	0.42	0.22	0.15	0.08		1.00	0.20	0.18	0.30	0.36	
1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.78	0.74	0.68	0.22	0.10	0.01		1.00	0.25	0.42	0.70	0.84	
0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24	
8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	5.49	5.30	5.01	2.14	1.23	0.45		1.00	0.25	2.52	4.20	5.04	
9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.81	6.64	6.37	3.35	2.27	1.18		1.00	0.20	2.76	4.60	5.52	
2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.59	1.52	1.41	0.51	0.25	0.06		1.00	0.25	0.81	1.35	1.62	
0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.41	0.40	0.38	0.18	0.11	0.05		1.00	0.20	0.18	0.30	0.36	
1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.89	0.84	0.78	0.26	0.11	0.02		1.00	0.25	0.48	0.80	0.96	
1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.65	0.63	0.60	0.25	0.15	0.05		1.00	0.20	0.30	0.50	0.60	
5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.60	3.47	3.28	1.40	0.81	0.29		1.00	0.25	1.65	2.75	3.30	
6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	5.03	4.90	4.71	2.48	1.68	0.87		1.00	0.20	2.04	3.40	4.08	
1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	1.06	1.01	0.94	0.34	0.17	0.04		1.00	0.25	0.54	0.90	1.08	
2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.72	1.67	1.59	0.74	0.46	0.20		1.00	0.20	0.75	1.25	1.50	
0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.34	0.31	0.11	0.06	0.01		1.00	0.25	0.18	0.30	0.36	
0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.49	3.33	3.08	1.00	0.45	0.07		1.00	0.25	1.89	3.15	3.78	
0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12	
5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.86	3.72	3.52	1.50	0.87	0.32		1.00	0.25	1.77	2.95	3.54	
12.7	OC1-5	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	9.40	9.16	8.80	4.63	3.13	1.63		1.00	0.20	3.81	6.35	7.62	
6.8	OC1-5	S27.2	C	Open Brush, Fair	77	59	92	3.99	3.82	3.56	1.28	0.63	0.14		1.00	0.25	2.04	3.40	4.08	
3.2	OC1-5	S27.2	D	Open Brush, Fair	83	67	96	2.20	2.13	2.03	0.94	0.58	0.25		1.00	0.20	0.96	1.60	1.92	

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III				AMCI/AMCII											
																	Storm Event (Year)			HC			
																	EV	5	2	All			
	0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.32	0.29	0.10	0.04	0.01		1.00	0.25	0.18	0.30	0.36			
	1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.30	1.30	1.29	1.27	1.24	1.19		0.10	0.40	0.05	0.08	0.09			
	0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.56		0.10	0.30	0.02	0.04	0.04			
	1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.46	1.45	1.43	1.41	1.36	1.29		0.10	0.25	0.05	0.08	0.10			
	1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05			
	3.8	OC1-6	S27.2	C	Public Park	69	50	86	2.03	1.94	1.81	1.58	1.19	0.82		0.85	0.25	0.97	1.62	1.94			
	2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.54	1.48	1.40	1.25	0.99	0.71		0.85	0.20	0.64	1.06	1.28			
	0.1	OC1-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.08	0.07	0.07	0.07	0.06	0.06		0.40	0.25	0.01	0.02	0.02			
	1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.28	0.24	0.19	0.00	0.00	0.00		1.00	0.40	0.42	0.70	0.84			
	2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.74	1.67	1.57	0.61	0.33	0.10		1.00	0.25	0.84	1.40	1.68			
	0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24			
	0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.12	0.12	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	2.00	1.91	1.78	0.64	0.32	0.07		1.00	0.25	1.02	1.70	2.04			
	0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.55	0.53	0.51	0.24	0.15	0.06		1.00	0.20	0.24	0.40	0.48			
	2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.29	0.26	0.24	0.23	0.22	0.21		0.90	0.40	0.65	1.08	1.30			
	0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.24	0.22	0.20	0.16	0.10	0.07		0.90	0.30	0.19	0.32	0.38			
	3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.79	1.69	1.56	1.35	0.97	0.62		0.90	0.25	0.95	1.58	1.89			
	1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.65	0.63	0.59	0.52	0.40	0.27		0.90	0.20	0.30	0.50	0.59			
	0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	1.12	1.07	1.00	0.36	0.18	0.04		1.00	0.25	0.57	0.95	1.14			
	0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.07	0.06	0.06	0.03	0.01	0.01		1.00	0.25	0.03	0.05	0.06			
	1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.76	0.73	0.68	0.24	0.12	0.03		1.00	0.25	0.39	0.65	0.78			
	0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.07	0.07	0.04	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	1.00	0.95	0.89	0.32	0.16	0.04		1.00	0.25	0.51	0.85	1.02			
	0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	2.17	2.08	1.94	0.70	0.34	0.08		1.00	0.25	1.11	1.85	2.22			
	1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.61	0.58	0.54	0.46	0.33	0.21		0.90	0.25	0.32	0.54	0.65			
	1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.79	0.77	0.74	0.68	0.59	0.49		0.60	0.25	0.22	0.36	0.43			
	0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.3	S27.3		C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15			
	0.4	S27.3		A	Public Park	32	17	52	0.07	0.06	0.06	0.06	0.06	0.05		0.85	0.40	0.10	0.17	0.20			
	0.6	S27.3		B	Public Park	56	36	76	0.23	0.21	0.19	0.16	0.11	0.08		0.85	0.30	0.15	0.26	0.31			
	1.1		S27.3	B	Commercial, Industrial	56	36	76	0.98	0.98	0.97	0.95	0.92	0.87		0.10	0.30	0.03	0.06	0.07			
	1.2	S27.3		A	Grass, Annual or Perennial, Fair	50	31	70	0.24	0.21	0.17	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	4.9	S27.3		A	Open Brush, Fair	46	28	66	0.74	0.63	0.48	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94			
	5.4		S27.3	A	Woodland, Grass, Fair	44	26	64	0.70	0.58	0.43	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24			
	6.9	S27.3		B	Chaparral, Broadleaf, Fair	63	43	81	2.56	2.36	2.08	0.23	0.01	0.00		1.00	0.30	2.07	3.45	4.14			
	9.2	S27.3		D	Woodland, Grass, Fair	82	66	95	6.17	5.97	5.66	2.52	1.51	0.60		1.00	0.20	2.76	4.60	5.52			
	9.3		S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	4.28	4.01	3.63	0.79	0.21	0.00		1.00	0.30	2.79	4.65	5.58			
	15.8	S27.3		D	Chaparral, Broadleaf, Fair	81	64	95	10.33	9.97	9.42	4.02	2.32	0.85		1.00	0.20	4.74	7.90	9.48			
	20.3	S27.3		D	Grass, Annual or Perennial, Fair	84	69	96	14.32	13.90	13.27	6.42	4.09	1.89		1.00	0.20	6.09	10.15	12.18			
	25.5		S27.3	B	Open Brush, Fair	66	46	84	10.58	9.84	8.79	1.42	0.20	0.00		1.00	0.30	7.65	12.75	15.30			
	27.2	S27.3		B	Woodland, Grass, Fair	65	45	83	10.86	10.09	8.98	1.28	0.12	0.00		1.00	0.30	8.16	13.60	16.32			
	29.1	S27.3		C	Grass, Annual or Perennial, Fair	79	62	93	18.05	17.34	16.29	6.37	3.41	1.01		1.00	0.25	8.73	14.55	17.46			
	53.6		S27.3	D	Open Brush, Fair	83	67	96	36.87	35.72	34.00	15.81	9.78	4.21		1.00	0.20	16.08	26.80	32.16			
	66.8	S27.3		C	Woodland, Grass, Fair	77	59	92	39.22	37.51	35.00	12.57	6.20	1.40		1.00	0.25	20.40	33.40	40.08			
	90.8	S27.3		C	Open Brush, Fair	77	59	92	53.30	50.98	47.58	17.09	8.42	1.90		1.00	0.25	27.24	45.40	54.48			
	102.9		S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	57.06	54.33	50.34	16.41	7.31	1.09		1.00	0.25	30.87	51.45	61.74			
	0.7	S27.3-1	S27.3	A	Residential 5-7 dwellings/acre	32	17	52	0.35	0.34	0.34	0.33	0.32	0.31		0.50	0.40	0.11	0.18	0.21			
	0.9	S27.3-1	S27.3	B	Public Park	56	36	76	0.34	0.32	0.29	0.24	0.17	0.12		0.85	0.30	0.23	0.38	0.46			
	3.4	S27.3-1	S27.3	A	Commercial, Industrial	32	17	52	2.95	2.94	2.92	2.88	2.81	2.70		0.10	0.40	0.10	0.17	0.20			
	3.6	S27.3-1	S27.3	A	Woodland, Grass, Fair	44	26	64	0.47	0.39	0.28	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16			
	10.1	S27.3-1	S27.3	A	Public Park	32	17	52	1.67	1.58	1.49	1.43	1.39	1.34		0.85	0.40	2.58	4.29	5.15			
	17.4	S27.3-1	S27.3	A	Open Brush, Fair	46	28	66	2.63	2.22	1.69	0.00	0.00	0.00		1.00	0.40	5.22	8.70	10.44			
	0.2	S27.3-3	S27.3	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12			
	0.2	S27.3-3	S27.3	A	Barren	78	61	93	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.40	0.06	0.10	0.12			
	0.2	S27.3-3	S27.3	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.04	0.02		1.00	0.20	0.06	0.10	0.12			
	0.3	S27.3-3	S27.3	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.10	0.01	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	0.3	S27.3-3	S27.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.5	S27.3-3	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.11	0.09	0.07	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30			
	0.5	S27.3-3	S27.3	A	Public Park	32	17	52	0.08	0.08	0.07	0.07	0.07	0.07		0.85	0.40	0.13	0.21	0.26			
	0.7	S27.3-3	S27.3	D	Woodland, Grass, Fair	82	66	95	0.47	0.45	0.43	0.19	0.11	0.05		1.00	0.20	0.21	0.35	0.42			
	1.5	S27.3-3	S27.3	C	Open Brush, Fair	77	59	92	0.88	0.84	0.79	0.28	0.14	0.03		1.00	0.25	0.45	0.75	0.90			
	1.4	S27.3-3	S27.3	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40</						

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III	AMCI/AMCII														
																	Storm Event (Year)			HC	All		
																		> 5	5	2			
	11.4	S27.3-3	S27.3	A	Woodland, Grass, Fair	44	26	64	1.47	1.22	0.90	0.00	0.00	0.00		1.00	0.40	3.42	5.70	6.84			
	11.8	S27.3-3	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	6.54	6.23	5.77	1.88	0.84	0.13		1.00	0.25	3.54	5.90	7.08			
	27.7	S27.3-3	S27.3	A	Open Brush, Fair	46	28	66	4.19	3.54	2.69	0.00	0.00	0.00		1.00	0.40	8.31	13.85	16.62			
	0.1	S27.3-4	S27.3	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05			
	0.1	S27.3-4	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.2	S27.3-4	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.25	0.06	0.10	0.12			
	0.3	S27.3-4	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	0.14	0.13	0.12	0.03	0.01	0.00		1.00	0.30	0.09	0.15	0.18			
	0.3	S27.3-4	S27.3	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.4	S27.3-4	S27.3	A	Commercial, Industrial	32	17	52	0.35	0.35	0.34	0.34	0.33	0.32		0.10	0.40	0.01	0.02	0.02			
	0.5	S27.3-4	S27.3	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40		0.10	0.30	0.02	0.03	0.03			
	0.6	S27.3-4	S27.3	B	Woodland, Grass, Fair	65	45	83	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.6	S27.3-4	S27.3	A	Barren	78	61	93	0.36	0.35	0.33	0.12	0.06	0.02		1.00	0.40	0.18	0.30	0.36			
	0.6	S27.3-4	S27.3	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04			
	0.9	S27.3-4	S27.3	B	Open Brush, Fair	66	46	84	0.37	0.35	0.31	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54			
	1.0	S27.3-4	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.16	0.07	0.01		1.00	0.25	0.30	0.50	0.60			
	1.3	S27.3-4	S27.3	C	Woodland, Grass, Fair	77	59	92	0.76	0.73	0.68	0.24	0.12	0.03		1.00	0.25	0.39	0.65	0.78			
	3.2	S27.3-4	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.67	0.59	0.48	0.00	0.00	0.00		1.00	0.40	0.96	1.60	1.92			
	3.7	S27.3-4	S27.3	A	Woodland, Grass, Fair	44	26	64	0.48	0.40	0.29	0.00	0.00	0.00		1.00	0.40	1.11	1.85	2.22			
	12.0	S27.3-4	S27.3	A	Open Brush, Fair	46	28	66	1.82	1.53	1.17	0.00	0.00	0.00		1.00	0.40	3.60	6.00	7.20			
	0.1	S27.3-5	S27.3	A	Row Crops, Poor	72	53	89	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.5	S27.3-5	S27.3	A	Public Park	32	17	52	0.08	0.08	0.07	0.07	0.07	0.07		0.85	0.40	0.13	0.21	0.26			
	0.5	S27.3-5	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.30	0.28	0.11	0.06	0.02		1.00	0.25	0.15	0.25	0.30			
	0.8	S27.3-5	S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	0.30	0.27	0.24	0.03	0.00	0.00		1.00	0.30	0.24	0.40	0.48			
	1.2	S27.3-5	S27.3	A	Woodland, Grass, Fair	44	26	64	0.16	0.13	0.09	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	1.5	S27.3-5	S27.3	B	Commercial, Industrial	56	36	76	1.34	1.33	1.32	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09			
	2.5	S27.3-5	S27.3	A	Commercial, Industrial	32	17	52	2.17	2.16	2.14	2.12	2.07	1.99		0.10	0.40	0.08	0.13	0.15			
	2.6	S27.3-5	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.20	1.12	1.02	0.22	0.06	0.00		1.00	0.30	0.78	1.30	1.56			
	2.8	S27.3-5	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.55	0.48	0.39	0.00	0.00	0.00		1.00	0.40	0.84	1.40	1.68			
	5.4	S27.3-5	S27.3	A	Open Brush, Fair	46	28	66	0.82	0.69	0.53	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24			
12800	6.2	S27.3-5	S27.3	B	Woodland, Grass, Fair	65	45	83	2.48	2.30	2.05	0.29	0.03	0.00		1.00	0.30	1.86	3.10	3.72			
12800	6.5	S27.3-5	S27.3	C	Woodland, Grass, Fair	77	59	92	3.82	3.65	3.41	1.22	0.60	0.14		1.00	0.25	1.95	3.25	3.90			
12800	6.7	S27.3-5	S27.3	B	Open Brush, Fair	66	46	84	2.78	2.59	2.31	0.37	0.05	0.00		1.00	0.30	2.01	3.35	4.02			
12800	12.0	S27.3-5	S27.3	C	Open Brush, Fair	77	59	92	7.04	6.74	6.29	2.26	1.11	0.25		1.00	0.25	3.60	6.00	7.20			
12800	20.3	S27.3-5	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	11.26	10.72	9.93	3.24	1.44	0.22		1.00	0.25	6.09	10.15	12.18			
12800	0.3	S27.3-6	S27.3	A	Row Crops, Poor	72	53	89	0.15	0.14	0.13	0.04	0.01	0.00		1.00	0.40	0.09	0.15	0.18			
12800	0.4	S27.3-6	S27.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
12800	0.4	S27.3-6	S27.3	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.35	0.33	0.32		0.10	0.30	0.01	0.02	0.02			
12800	0.6	S27.3-6	S27.3	A	Commercial, Industrial	32	17	52	0.52	0.52	0.51	0.51	0.50	0.48		0.10	0.40	0.02	0.03	0.04			
12800	1.5	S27.3-6	S27.3	A	Open Brush, Fair	46	28	66	0.23	0.20	0.15	0.00	0.00	0.00		1.00	0.40	0.46	0.77	0.92			
12800	3.2	S27.3-6	S27.3	A	Public Park	32	17	52	0.54	0.51	0.48	0.46	0.45	0.43		0.85	0.40	0.83	1.38	1.65			
12800	3.9	S27.3-6	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.81	1.70	1.54	0.34	0.09	0.00		1.00	0.30	1.18	1.97	2.36			
12800	8.7	S27.3-6	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	1.73	1.51	1.21	0.00	0.00	0.00		1.00	0.40	2.62	4.37	5.24			
12800	10.3	S27.3-6	S27.3	A	Woodland, Grass, Fair	44	26	64	1.34	1.11	0.82	0.00	0.00	0.00		1.00	0.40	3.10	5.17	6.20			
12800	2.30	P501XX	S28.1	B	Barren	86	72	97	1.70	1.66	1.59	0.84	0.57	0.30		1.00	0.30	0.69	1.15	1.38			
12800	0.20	P501XX	S28.1	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12			
12800	0.07	P501XX	S28.1	D	Barren	93	83	99	0.06	0.06	0.06	0.04	0.03	0.02		1.00	0.20	0.02	0.03	0.04			
12901	10.20	P501XX	S28.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.66	5.39	4.99	1.63	0.72	0.11		1.00	0.25	3.06	5.10	6.12			
12901	0.35	P501XX	S28.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.21	0.09	0.05	0.02		1.00	0.20	0.11	0.18	0.21			
12901	0.10	P501XX	S28.1	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.08	0.08	0.08		0.10	0.30	0.00	0.00	0.01			
12901	0.40	P501XX	S28.1	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02			
12901	0.45	P501XX	S28.1	D	Commercial, Industrial	75	57	91	0.41	0.41	0.40	0.40	0.38	0.36		0.10	0.20	0.01	0.02	0.03			
12901	24.28	P501XX	S28.1	B	Grass, Annual or Perennial, Fair	69	50	86	11.17	10.48	9.49	2.07	0.54	0.00		1.00	0.30	7.28	12.14	14.57			
12901	9.91	P501XX	S28.1	C	Grass, Annual or Perennial, Fair	79	62	93	6.15	5.91	5.55	2.17	1.16	0.34		1.00	0.25	2.97	4.96	5.95			
12901	6.57	P501XX	S28.1	D	Grass, Annual or Perennial, Fair	84	69	96	4.63	4.49	4.29	2.08	1.32	0.61		1.00	0.20	1.97	3.28	3.94			
12901	0.10	P501XX	S28.1	A	Open Brush, Fair	46	28	66	0.02	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
12901	16.79	P501XX	S28.1	B	Open Brush, Fair	66	46	84	6.97	6.48	5.79	0.93	0.13	0.00		1.00	0.30	5.04	8.39	10.07			
12901	67.20	P501XX	S28.1	C	Open Brush, Fair	77	59	92	39.45	37.73	35.21	12.65	6.23	1.41		1.00	0.25	20.16	33.60	40.32			
12901	3.80	P501XX	S28.1	D	Open Brush, Fair	83	67	96	2.61	2.53	2.41	1.12	0.69	0.30		1.00	0.20	1.14	1.90	2.28			
12901	0.98	P501XX	S28.1	D	Public Park	75																	

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100										
						AMC			P ₂₄ (Inches)						5.63							
						II	I	III	AMCI/AMCII													
			EV				HC															
			EV				HC		All													
PA5 Line XX	39.55	P503XX	S29-2-2	C	Open Brush, Fair	77	59	92	23.22	22.21	20.72	7.44	3.67	0.83		1.00	0.25	11.87	19.78	23.73		
PA5 Line XX	19.10	P503XX	S29-2-2	D	Open Brush, Fair	83	67	96	13.14	12.73	12.11	5.63	3.48	1.50		1.00	0.20	5.73	9.55	11.46		
PA5 Line XX	18.40	P503XX	S29-2-2	D	Public Park	75	57	91	11.33	10.90	10.28	9.21	7.28	5.20		0.85	0.20	4.69	7.82	9.38		
PA5 Line XX	5.30	P503XX	S29-2-2	B	Woodland, Grass, Fair	65	45	83	2.12	1.97	1.75	0.25	0.02	0.00		1.00	0.30	1.59	2.65	3.18		
PA5 Line XX	34.70	P503XX	S29-2-2	C	Woodland, Grass, Fair	77	59	92	20.37	19.48	18.18	6.53	3.22	0.73		1.00	0.25	10.41	17.35	20.82		
PA5 Line XX	1.30	P503XX	S29-2-2	D	Woodland, Grass, Fair	82	66	95	0.87	0.84	0.80	0.36	0.21	0.08		1.00	0.20	0.39	0.65	0.78		
PA5 Line XX	6.20		S29.1	C	Chaparral, Broadleaf, Fair	75	57	91	3.44	3.27	3.03	0.99	0.44	0.07		1.00	0.25	1.86	3.10	3.72		
PA5 Line XX	0.40		S29.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24		
PA5 Line XX	0.30		S29.1	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		0.10	0.40	0.01	0.02	0.02		
PA5 Line XX	5.30		S29.1	B	Commercial, Industrial	56	36	76	4.73	4.70	4.65	4.57	4.42	4.21		0.10	0.30	0.16	0.27	0.32		
PA5 Line XX	23.30		S29.1	C	Commercial, Industrial	69	50	86	21.23	21.09	20.89	20.51	19.75	18.73		0.10	0.25	0.70	1.17	1.40		
PA5 Line XX	2.60		S29.1	D	Commercial, Industrial	75	57	91	2.39	2.38	2.36	2.31	2.23	2.11		0.10	0.20	0.08	0.13	0.16		
PA5 Line XX	8.20		S29.1	B	Grass, Annual or Perennial, Fair	69	50	86	3.77	3.54	3.20	0.70	0.18	0.00		1.00	0.30	2.46	4.10	4.92		
PA5 Line XX	37.40		S29.1	C	Grass, Annual or Perennial, Fair	79	62	93	23.19	22.28	20.93	8.19	4.38	1.30		1.00	0.25	11.22	18.70	22.44		
PA5 Line XX	21.60		S29.1	D	Grass, Annual or Perennial, Fair	84	69	96	15.23	14.79	14.12	6.83	4.36	2.01		1.00	0.20	6.48	10.80	12.96		
PA5 Line XX	0.20		S29.1	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
PA5 Line XX	32.30		S29.1	C	Open Brush, Fair	77	59	92	18.96	18.14	16.92	6.08	3.00	0.68		1.00	0.25	9.69	16.15	19.38		
PA5 Line XX	1.60		S29.1	D	Open Brush, Fair	83	67	96	1.10	1.07	1.01	0.47	0.29	0.13		1.00	0.20	0.48	0.80	0.96		
PA5 Line XX	21.60		S29.1	A	Public Park	32	17	52	3.58	3.38	3.18	3.05	2.98	2.86		0.85	0.40	5.51	9.18	11.02		
PA5 Line XX	32.10		S29.1	B	Public Park	56	36	76	12.11	11.33	10.25	8.58	6.14	4.45		0.85	0.30	8.19	13.64	16.37		
PA5 Line XX	136.90		S29.1	C	Public Park	69	50	86	73.29	69.90	65.04	56.87	43.00	29.44		0.85	0.25	34.91	58.18	69.82		
PA5 Line XX	9.40		S29.1	D	Public Park	75	57	91	5.79	5.57	5.25	4.70	3.72	2.66		0.85	0.20	24.40	4.00	4.79		
PA5 Line XX	268.30		S29.1	C	Residential 1 acre lots	69	50	86	150.36	144.05	134.99	119.77	93.81	68.23		0.80	0.25	64.39	107.32	128.78		
PA5 Line XX	1.40		S29.1	D	Residential 1 acre lots	75	57	91	42.86	41.38	39.22	35.48	28.74	21.43		0.80	0.20	16.18	26.96	32.35		
12903	1.30		S29.1	B	Residential 2 dwellings/acre	56	36	76	0.62	0.60	0.56	0.50	0.42	0.35		0.70	0.30	0.27	0.46	0.55		
12903	77.00		S29.1	C	Residential 2 dwellings/acre	69	50	86	47.01	45.39	43.07	39.15	32.40	25.63		0.70	0.25	16.17	26.95	32.34		
12903	28.80		S29.1	D	Residential 2 dwellings/acre	75	57	91	19.48	18.92	18.09	16.66	14.05	11.19		0.70	0.20	6.05	10.08	12.10		
12903	20.00		S29.1	B	Residential 3-4 dwellings/acre	56	36	76	10.98	10.62	10.11	9.32	8.10	7.15		0.60	0.30	3.60	6.00	7.20		
12903	159.90		S29.1	C	Residential 3-4 dwellings/acre	69	50	86	105.63	102.68	98.42	91.20	78.67	65.77		0.60	0.25	28.78	47.97	57.56		
12903	13.90		S29.1	D	Residential 3-4 dwellings/acre	75	57	91	9.97	9.73	9.38	8.76	7.64	6.38		0.60	0.20	2.50	4.17	5.00		
12903	8.30		S29.1	B	Residential 5-7 dwellings/acre	56	36	76	5.13	5.00	4.82	4.53	4.07	3.69		0.50	0.30	1.25	2.08	2.49		
12903	37.00		S29.1	C	Residential 5-7 dwellings/acre	69	50	86	26.30	25.71	24.85	23.40	20.84	18.12		0.50	0.25	5.55	9.25	11.10		
12903	4.20		S29.1	D	Residential 5-7 dwellings/acre	75	57	91	3.18	3.12	3.03	2.87	2.57	2.22		0.50	0.20	0.63	1.05	1.26		
12903	1.30		S29.1	A	Residential 8-10 dwellings/acre	32	17	52	0.76	0.75	0.75	0.73	0.72	0.69		0.40	0.40	0.16	0.26	0.31		
12903	11.30		S29.1	B	Residential 8-10 dwellings/acre	56	36	76	7.76	7.61	7.40	7.06	6.51	6.02		0.40	0.30	1.36	2.26	2.71		
12903	54.80		S29.1	C	Residential 8-10 dwellings/acre	69	50	86	41.69	40.96	39.89	38.05	34.76	31.14		0.40	0.25	6.58	10.96	13.15		
12903	15.40		S29.1	D	Residential 8-10 dwellings/acre	75	57	91	12.30	12.10	11.82	11.31	10.36	9.24		0.40	0.20	1.85	3.08	3.70		
12903	0.50		S29.1	B	Woodland, Grass, Fair	65	45	83	0.20	0.19	0.17	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30		
12903	8.40		S29.1	C	Woodland, Grass, Fair	77	59	92	4.93	4.72	4.40	1.58	0.78	0.18		1.00	0.25	2.52	4.20	5.04		
12903	3.50		S29.1	D	Woodland, Grass, Fair	82	66	95	2.35	2.27	2.15	0.96	0.57	0.23		1.00	0.20	1.05	1.75	2.10		
12903	0.22	P504XX	S29.2	B	Barren	86	72	97	0.16	0.16	0.15	0.08	0.05	0.03		1.00	0.30	0.07	0.11	0.13		
12903	4.49	P504XX	S29.2	C	Barren	91	80	98	3.73	3.67	3.58	2.30	1.78	1.18		1.00	0.25	1.35	2.25	2.69		
12903	0.02	P504XX	S29.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01		
	1.01	P504XX	S29.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.56	0.54	0.50	0.16	0.07	0.01		1.00	0.25	0.30	0.51	0.61		
	0.45	P504XX	S29.2	B	Commercial, Industrial	56	36	76	0.40	0.39	0.39	0.38	0.37	0.35		0.10	0.30	0.01	0.02	0.03		
	1.36	P504XX	S29.2	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.16	1.10		0.10	0.25	0.04	0.07	0.08		
	2.89	P504XX	S29.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.33	1.25	1.13	0.25	0.06	0.00		1.00	0.30	0.87	1.44	1.73		
	20.30	P504XX	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	12.59	12.09	11.36	4.44	2.38	0.70		1.00	0.25	6.09	10.15	12.18		
	1.51	P504XX	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.07	1.03	0.99	0.48	0.30	0.14		1.00	0.20	0.45	0.76	0.91		
	1.47	P504XX	S29.2	D	Meadows or Cienegas, Fair	84	69	96	1.04	1.01	0.96	0.47	0.30	0.14		1.00	0.20	0.44	0.74	0.88		
	2.33	P504XX	S29.2	B	Open Brush, Fair	66	46	84	0.97	0.90	0.80	0.13	0.02	0.00		1.00	0.30	0.70	1.16	1.40		
	11.34	P504XX	S29.2	C	Open Brush, Fair	77	59	92	6.66	6.37	5.94	2.13	1.05	0.24		1.00	0.25	3.40	5.67	6.80		
	10.50	P504XX	S29.2	D	Open Brush, Fair	83	67	96	7.22	7.00	6.66	3.10	1.92	0.82		1.00	0.20	3.15	5.25	6.30		
	1.18	P504XX	S29.2	D	Public Park	75	57	91	0.73	0.70	0.66	0.59	0.47	0.33		0.85	0.20	0.30	0.50	0.60		
	0.42	P504XX	S29.2	B	Row Crops, Good	78	61	93	0.25	0.24	0.23	0.08	0.04	0.01		1.00	0.30	0.12	0.21	0.25		
	0.03	P504XX	S29.2	C	Row Crops, Good	85	70	97	0.02	0.02	0.02	0.01	0.01	0.00		1.00	0.25	0.01	0.02	0.02		
	2.22	P504XX	S29.2	B	Woodland, Grass, Fair	65	45	83	0.89	0.83	0.73	0.10	0.01	0.00		1.00	0.30	0.67	1.11	1.33		
	8.73	P504XX	S29.2	C	Woodland, Grass, Fair	77	59	92	5.13	4.90	4.57	1.64	0.81	0.18		1.00	0.25	2.62	4.37	5.24		
	0.22	P504XX	S29.2	D	Woodland, Grass, Fair	82	66	95	0.15	0.14	0.14	0.06	0.04	0.01		1.00	0.20	0.07	0.11	0.13		
	0.20	S29-2-1	S29.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01		
	0.40	S29-2-1	S29.2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27	0.25	0.23	0.20		0.50	0.25	0.06	0.10	0.12		
	0.50	S29-2-1	S29.2	B	Residential 2.5 acre lots	56	36	76	0.17	0.16	0.14	0.11	0.07	0.05		0.90	0.30	0.14	0.23	0.27		
	0.60	S29-2-1	S29.2	B	Woodland, Grass, Fair	65	45	83	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36		
	0.70	S29-2-1	S29.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.56		0.10	0.30	0.02	0.04	0.04		
	0.70	S29-2-1	S29.2	C	Residential 2.5 acre lots	69	50	86	0.36	0.34	0.31	0.27	0.19	0.12		0.90	0.25	0.19	0.32	0.38		
	0.70	S29-2-1	S29.2	B	Public Park	56	36	76	0.26	0.25	0.22	0.19	0.13	0.10		0.85	0.30	0.18	0.30	0.36		
	1.00	S29-2-1	S29.2	C	Woodland, Grass, Fair	77	59	92	0.59	0.56	0.52	0.19	0.09	0.02		1.00	0.25	0.30</				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III				AMC/AMCII		5.63									

	2.90	S29.2-1	S29.2	C	Open Brush, Fair	77	59	92	1.70	1.63	1.52	0.55	0.27	0.06		1.00	0.25	0.87	1.45	1.74	
	3.60	S29.2-1	S29.2	A	Woodland, Grass, Fair	44	26	64	0.47	0.39	0.28	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16	
	3.70	S29.2-1	S29.2	B	Residential 5-7 dwellings/acre	56	36	76	2.29	2.23	2.15	2.02	1.82	1.65		0.50	0.30	0.56	0.93	1.11	
	4.10	S29.2-1	S29.2	A	Residential 5-7 dwellings/acre	32	17	52	2.02	1.99	1.96	1.93	1.88	1.81		0.50	0.40	0.62	1.03	1.23	
	5.40	S29.2-1	S29.2	A	Residential 2.5 acre lots	32	17	52	0.64	0.59	0.54	0.51	0.50	0.48		0.90	0.40	1.46	2.43	2.92	
	6.70	S29.2-1	S29.2	A	Open Brush, Fair	46	28	66	1.01	0.86	0.65	0.00	0.00	0.00		1.00	0.40	2.01	3.35	4.02	
	12.00	S29.2-1	S29.2	A	Barren	78	61	93	7.24	6.94	6.50	2.44	1.26	0.33		1.00	0.40	3.60	6.00	7.20	
	12.90	S29.2-1	S29.2	A	Grass, Annual or Perennial, Fair	50	31	70	2.55	2.22	1.78	0.00	0.00	0.00		1.00	0.40	3.87	6.45	7.74	
	38.60	S29.2-1	S29.2	A	Public Park	32	17	52	6.40	6.04	5.68	5.46	5.32	5.11		0.85	0.40	9.84	16.41	19.69	
	0.10	S29.2.4	S29.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05	
	0.20	S29.2.4	S29.2	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12	
	0.80	S29.2.4	S29.2	A	Woodland, Grass, Fair	44	26	64	0.10	0.09	0.06	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48	
	1.20	S29.2.4	S29.2	C	Commercial, Industrial	69	50	86	1.09	1.09	1.08	1.06	1.02	0.96		0.10	0.25	0.04	0.06	0.07	
	1.50	S29.2.4	S29.2	A	Commercial, Industrial	32	17	52	1.30	1.30	1.29	1.27	1.24	1.19		0.10	0.40	0.05	0.08	0.09	
	3.00	S29.2.4	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	2.12	2.05	1.96	0.95	0.60	0.28		1.00	0.20	0.90	1.50	1.80	
	3.60	S29.2.4	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	2.23	2.14	2.02	0.79	0.42	0.12		1.00	0.25	1.08	1.80	2.16	
	15.10	S29.2.4	S29.2	A	Public Park	32	17	52	2.50	2.36	2.22	2.13	2.08	2.00		0.85	0.40	3.85	6.42	7.70	
	20.00	S29.2.4	S29.2	A	Grass, Annual or Perennial, Fair	50	31	70	3.96	3.44	2.76	0.00	0.00	0.00		1.00	0.40	6.00	10.00	12.00	
	14.30	G	S29.2	A	Commercial, Industrial	32	17	52	12.41	12.35	12.27	12.13	11.83	11.36		0.10	0.40	0.43	0.72	0.86	
	9.40	G	S29.2	A	Public Park	32	17	52	1.56	1.47	1.38	1.33	1.30	1.24		0.85	0.40	2.40	4.00	4.79	
	1.4	B-10	S29.3	B	Commercial, Industrial	56	36	76	1.25	1.24	1.23	1.21	1.17	1.11		0.10	0.30	0.04	0.07	0.08	
	1.1	B-10	S29.3	C	Commercial, Industrial	69	50	86	1.00	1.00	0.99	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07	
	1.9	B-10	S29.3	B	Residential 2.5 acre lots	56	36	76	0.65	0.60	0.54	0.43	0.28	0.18		0.90	0.30	0.51	0.86	1.03	
	1.6	B-10	S29.3	C	Residential 2.5 acre lots	69	50	86	0.82	0.77	0.72	0.62	0.45	0.28		0.90	0.25	0.43	0.72	0.86	
	0.2	B-10	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.14	0.13	0.13	0.12	0.12	0.11		0.40	0.30	0.02	0.04	0.05	
	0.3	B-11	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.6	B-11	S29.3	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04	
	0.7	B-11	S29.3	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04	
	0.4	B-11	S29.3	B	Residential 2.5 acre lots	56	36	76	0.14	0.13	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22	
	0.8	B-11	S29.3	C	Residential 2.5 acre lots	69	50	86	0.41	0.39	0.36	0.31	0.22	0.14		0.90	0.25	0.22	0.36	0.43	
	0.4	B-11	S29.3	D	Residential 2.5 acre lots	75	57	91	0.24	0.23	0.21	0.19	0.15	0.10		0.90	0.20	0.11	0.18	0.22	
	1.0	B-12	S29.3	B	Commercial, Industrial	56	36	76	0.89	0.89	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06	
	0.4	B-12	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02	
	2.2	B-12	S29.3	D	Commercial, Industrial	75	57	91	2.03	2.01	1.99	1.96	1.89	1.79		0.10	0.20	0.07	0.11	0.13	
	0.4	B-12	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.33	0.33	0.32	0.31	0.30	0.28		0.20	0.30	0.02	0.04	0.05	
	0.7	B-12	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.62	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08	
	1.1	B-12	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.88	0.86	0.84	0.81	0.74	0.66		0.40	0.20	0.13	0.22	0.26	
	0.5	B-14	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.41	0.41	0.40	0.39	0.37	0.35		0.20	0.30	0.03	0.05	0.06	
	1.2	B-14	S29.3	C	Residential 10+ dwellings/acre	69	50	86	1.03	1.02	1.01	0.98	0.93	0.87		0.20	0.25	0.07	0.12	0.14	
	1.1	B-15	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.91	0.90	0.88	0.86	0.82	0.78		0.20	0.30	0.07	0.11	0.13	
	1.4	B-15	S29.3	C	Residential 10+ dwellings/acre	69	50	86	1.21	1.19	1.18	1.15	1.09	1.02		0.20	0.25	0.08	0.14	0.17	
	1.8	B-15	S29.3	D	Residential 10+ dwellings/acre	75	57	91	1.58	1.57	1.55	1.51	1.43	1.33		0.20	0.20	0.11	0.18	0.22	
	1.9	B-16	S29.3	B	Residential 10+ dwellings/acre	56	36	76	1.57	1.55	1.53	1.49	1.42	1.34		0.20	0.30	0.11	0.19	0.23	
	5.7	B-16	S29.3	C	Residential 10+ dwellings/acre	69	50	86	4.91	4.86	4.79	4.66	4.43	4.13		0.20	0.25	0.34	0.57	0.68	
	0.6	B-17	S29.3	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04	
	0.3	B-17	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02	
	0.2	B-17	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.17	0.17	0.17	0.16	0.16	0.15		0.20	0.25	0.01	0.02	0.02	
	2.9	B-17	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	1.99	1.95	1.90	1.81	1.67	1.54		0.40	0.30	0.35	0.58	0.70	
	11.4	B-17	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	8.67	8.52	8.30	7.92	7.23	6.48		0.40	0.25	1.37	2.28	2.74	
	0.9	B-17	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.71	0.69	0.66	0.61	0.54		0.40	0.20	0.11	0.18	0.22	
	2.4	B-18	S29.3	B	Residential 10+ dwellings/acre	56	36	76	1.98	1.96	1.93	1.88	1.79	1.70		0.20	0.30	0.14	0.24	0.29	
	7.1	B-18	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	4.39	4.27	4.12	3.87	3.49	3.16		0.50	0.30	1.07	1.78	2.13	
	3.6	B-18	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	2.56	2.50	2.42	2.28	2.03	1.76		0.50	0.25	0.54	0.90	1.08	
	0.3	B-18	S29.3	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	10.5	B-18	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	7.21	7.07	6.87	6.56	6.05	5.59		0.40	0.30	1.26	2.10	2.52	
	9.4	B-18	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	7.15	7.03	6.84	6.53	5.96	5.34		0.40	0.25	1.13	1.88	2.26	
	0.3	B-18	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.24	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07	
	7.7	B-21	S29.3	B	Residential 10+ dwellings/acre	56	36	76	6.34	6.28	6.19	6.03	5.76	5.45		0.20	0.30	0.46	0.77	0.92	
	0.4	B-21	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.34	0.34	0.34	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05	
	1.7	B-21	S29.3	D	Residential 10+ dwellings/acre	75	57	91	1.50	1.48	1.46	1.43	1.35	1.26		0.20	0.20	0.10	0.17	0.20	
	0.4	B-21	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.25	0.24	0.23	0.22	0.20	0.18		0.50	0.30	0.06	0.10	0.12	
	0.2	B-23	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01	
	2.4	B-23	S29.3	D	Commercial, Industrial	75	57	91	2.21	2.20	2.17	2.14	2.06	1.95		0.10	0.20	0.07	0.12	0.14	
	1.2	B-23	S29.3	B	Public Park	56	36	76	0.45	0.42	0.38	0.32	0.23	0.17		0.85	0.30	0.31	0.51	0.61	
	1.7	B-23	S29.3	C	Public Park	69	50	86	0.91	0.87	0.81	0.71	0.53	0.37		0.85	0.25	0.43	0.72	0.87	
	8.5	B-23	S29.3	D	Public Park	75	57	91	5.23	5.04	4.75	4.25	3.36	2.40		0.85	0.20	2.17	3.61	4.34	
	0.7	B-23	S29.3	A	Residential 10+ dwellings/acre	32	17	52	0.54	0.54	0.53	0.53	0.51	0.49		0.20	0.40	0.04	0.07	0.08	

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)										5.63				
						II	I	III	AMCI/AMCII														
Storm Event (Year)																			HC				
EV																			HC				
> 5																			5	2	1	All	

	0.1	B-23	S29.3	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05	
	0.2	B-23	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06	
	0.1	B-23	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	0.5	B-23	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.34	0.34	0.33	0.31	0.29	0.27		0.40	0.30	0.06	0.10	0.12	
	1.4	B-23	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	1.07	1.05	1.02	0.97	0.89	0.80		0.40	0.25	0.17	0.28	0.34	
	7.4	B-23	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	5.91	5.82	5.68	5.43	4.98	4.44		0.40	0.20	0.89	1.48	1.78	
	3.2	B-27	S29.3	B	Commercial, Industrial	56	36	76	2.86	2.84	2.81	2.76	2.67	2.54		0.10	0.30	0.10	0.16	0.19	
	0.7	B-27	S29.3	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04	
	0.9	B-27	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.74	0.73	0.72	0.71	0.67	0.64		0.20	0.30	0.05	0.09	0.11	
	0.3	B-27	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04	
	2.0	B-28	S29.3	A	Commercial, Industrial	32	17	52	1.74	1.73	1.72	1.70	1.65	1.59		0.10	0.40	0.06	0.10	0.12	
	4.6	B-28	S29.3	B	Commercial, Industrial	56	36	76	4.11	4.08	4.04	3.97	3.83	3.66		0.10	0.30	0.14	0.23	0.28	
	5.6	B-28	S29.3	C	Commercial, Industrial	69	50	86	5.10	5.07	5.02	4.93	4.75	4.50		0.10	0.25	0.17	0.28	0.34	
	1.6	B-28	S29.3	C	Open Brush, Fair	77	59	92	0.94	0.90	0.84	0.30	0.15	0.03		1.00	0.25	0.48	0.80	0.96	
	0.7	B-28	S29.3	B	Orchards, Evergreen, Fair	65	45	83	0.28	0.26	0.23	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42	
	0.2	B-28	S29.3	D	Orchards, Evergreen, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12	
	7.3	B-28	S29.3	B	Public Park	56	36	76	2.75	2.58	2.33	1.95	1.40	1.01		0.85	0.30	1.86	3.10	3.72	
	0.8	B-28	S29.3	C	Public Park	69	50	86	0.43	0.41	0.38	0.33	0.25	0.17		0.85	0.25	0.20	0.34	0.41	
	0.2	B-28	S29.3	D	Public Park	75	57	91	0.12	0.12	0.11	0.10	0.08	0.06		0.85	0.20	0.05	0.09	0.10	
	0.1	B-28	S29.3	A	Residential 2.5 acre lots	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.90	0.40	0.03	0.05	0.05	
	4.0	B-28	S29.3	B	Residential 2.5 acre lots	56	36	76	1.37	1.27	1.13	0.91	0.59	0.38		0.90	0.30	1.08	1.80	2.16	
	4.2	B-28	S29.3	C	Residential 2.5 acre lots	69	50	86	2.14	2.03	1.88	1.61	1.17	0.74		0.90	0.25	1.13	1.89	2.27	
	2.3	B-28	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	1.42	1.38	1.33	1.25	1.13	1.02		0.50	0.30	0.35	0.58	0.69	
	0.5	B-28	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.36	0.35	0.34	0.32	0.28	0.24		0.50	0.25	0.08	0.13	0.15	
	0.1	B-28	S29.3	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.4	B-28	S29.3	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.08	0.04	0.01		1.00	0.25	0.12	0.20	0.24	
	0.3	B-5	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.3	B-5	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02	
	0.2	B-5	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.16	0.16	0.16	0.16	0.15	0.14		0.20	0.30	0.01	0.02	0.02	
	0.6	B-5	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.47	0.44		0.20	0.25	0.04	0.06	0.07	
	0.1	B-5	S29.3	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05	
	0.4	B-6	S29.3	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.35	0.33	0.32		0.10	0.30	0.01	0.02	0.02	
	0.5	B-6	S29.3	C	Commercial, Industrial	69	50	86	0.46	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03	
	0.8	B-6	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10	
	0.4	B-6	S29.3	B	Residential 2.5 acre lots	56	36	76	0.14	0.13	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22	
	1.2	B-6	S29.3	C	Residential 2.5 acre lots	69	50	86	0.61	0.58	0.54	0.46	0.33	0.21		0.90	0.25	0.32	0.54	0.65	
	0.3	B-7	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.4	B-7	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.01	0.02	
	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		0.20	0.30	0.01	0.01	0.01	
	0.3	B-7	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.26	0.26	0.25	0.25	0.23	0.22		0.20	0.25	0.02	0.03	0.04	
	0.2	B-7	S29.3	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.06	0.05	0.03	0.02		0.90	0.30	0.05	0.09	0.11	
	1.5	B-7	S29.3	C	Residential 2.5 acre lots	69	50	86	0.77	0.73	0.67	0.58	0.42	0.26		0.90	0.25	0.41	0.68	0.81	
	0.7	B-8	S29.3	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.56		0.10	0.30	0.02	0.04	0.04	
	2.5	B-8	S29.3	C	Commercial, Industrial	69	50	86	2.28	2.26	2.24	2.20	2.12	2.01		0.10	0.25	0.08	0.13	0.15	
	0.3	B-8	S29.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02	
	0.3	B-8	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.24	0.22	0.21		0.20	0.30	0.02	0.03	0.04	
	0.1	B-8	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	0.2	B-8	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
	2.6	B-8	S29.3	B	Residential 2.5 acre lots	56	36	76	0.89	0.82	0.73	0.59	0.39	0.25		0.90	0.30	0.70	1.17	1.40	
	9.3	B-8	S29.3	C	Residential 2.5 acre lots	69	50	86	4.75	4.50	4.16	3.58	2.59	1.64		0.90	0.25	2.51	4.19	5.02	
	1.5	B-8	S29.3	D	Residential 2.5 acre lots	75	57	91	0.89	0.86	0.80	0.71	0.55	0.37		0.90	0.20	0.41	0.68	0.81	
	2.4	B-9	S29.3	B	Commercial, Industrial	56	36	76	2.14	2.13	2.11	2.07	2.00	1.91		0.10	0.30	0.07	0.12	0.14	
	0.2	B-9	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01	
	0.3	B-9	S29.3	D	Commercial, Industrial	75	57	91	0.23	0.23	0.23	0.22	0.21	0.20		0.10	0.20	0.01	0.01	0.02	
	2.1	B-9	S29.3	B	Residential 2.5 acre lots	56	36	76	0.70	0.65	0.58	0.47	0.30	0.19		0.90	0.30	0.55	0.92	1.11	
	0.3	B-9	S29.3	C	Residential 2.5 acre lots	69	50	86	0.15	0.15	0.13	0.12	0.08	0.05		0.90	0.25	0.08	0.14	0.16	
	0.5	B-9	S29.3	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.18	0.12		0.90	0.20	0.14	0.23	0.27	
	2.17		S30	A	Apartments	32	17	52	1.68	1.67	1.66	1.64	1.60	1.53		0.20	0.40	0.13	0.22	0.26	
	19.41		S30	B	Apartments	56	36	76	15.99	15.83	15.60	15.21	14.51	13.73		0.20	0.30	1.16	1.94	2.33	
	1.31		S30	C	Apartments	69	50	86	1.13	1.12	1.10	1.07	1.02	0.95		0.20	0.25	0.08	0.13	0.16	
	0.63		S30	D	Apartments	75	57	91	0.55	0.55	0.54	0.53	0.50	0.47		0.20	0.20	0.04	0.06	0.08	
	0.68		S30	C	Chaparral, Broadleaf, Fair	75	57	91	0.38	0.36	0.33	0.11	0.05	0.01		1.00	0.25	0.20	0.34	0.41	
	0.01		S30	A	Condominiums	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.35	0.40	0.00	0.00	0.00	
	14.66		S30	B	Condominiums	56	36	76	10.57	10.39	10.14	9.74	9.08	8.44		0.35	0.30	1.54	2.57	3.08	
	0.44		S30	C	Condominiums	69	50	86	0.35	0.34	0.33	0.32	0.29	0.27		0.35	0.25	0.05	0.08	0.09	
	7.34		S30	D	Condominiums	75	57	91	6.01	5.93	5.80	5.58	5.16	4.66		0.35	0.20	0.77	1.28	1.54	
	18.77		S30	A	Grass, Annual or Perennial, Fair	50	31	70	3.71	3.23	2.59	0.00	0.00	0.00		1.00	0.40	5.63	9.39	11.26	
	71.96		S30	B	Grass, Annual or Perennial, Fair	69	50	86	33.12	31.06	28.12	6.15	1.61	0.00		1.00	0.30				

RANCHO MISSION VIEJO																									
PA-3&4 (Ultimate Conditions)																									
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)																									
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											
									100	50	25	10	5	2	100	Storm Event (Year)									
									P ₂₄ (Inches)												EV				
						II	I	III	AMC/AMCII												5.63	> 5	5	2	All
	37.38		S30	B	Open Brush, Fair	66	46	84	15.51	14.43	12.89	2.08	0.29	0.00		1.00	0.30	11.21	18.69	22.43					
	452.58		S30	C	Open Brush, Fair	77	59	92	265.69	254.12	237.14	85.18	41.99	9.47		1.00	0.25	135.77	226.29	271.55					
	8.00		S30	D	Open Brush, Fair	83	67	96	5.50	5.33	5.07	2.36	1.46	0.63		1.00	0.20	2.40	4.00	4.80					
	20.05		S30	B	Orchards, Evergreen, Fair	65	45	83	8.02	7.44	6.62	0.94	0.09	0.00		1.00	0.30	6.02	10.03	12.03					
	35.24		S30	C	Orchards, Evergreen, Fair	77	59	92	20.69	19.79	18.46	6.63	3.27	0.74		1.00	0.25	10.57	17.62	21.14					
	3.87		S30	A	Public Park	32	17	52	0.64	0.61	0.57	0.55	0.53	0.51		0.85	0.40	0.99	1.64	1.97					
	16.21		S30	B	Public Park	56	36	76	6.11	5.72	5.18	4.33	3.10	2.25		0.85	0.30	4.13	6.89	8.27					
	14.26		S30	C	Public Park	69	50	86	7.63	7.28	6.77	5.92	4.48	3.07		0.85	0.25	3.64	6.06	7.27					
	0.76		S30	D	Public Park	75	57	91	0.47	0.45	0.42	0.38	0.30	0.21		0.85	0.20	0.19	0.32	0.39					
	38.41		S30	B	Residential 1 acre lots	56	36	76	15.81	14.92	13.70	11.79	8.99	7.00		0.80	0.30	9.22	15.36	18.44					
	29.50		S30	C	Residential 1 acre lots	69	50	86	16.53	15.84	14.84	13.17	10.32	7.50		0.80	0.25	7.08	11.80	14.16					
	7.64		S30	A	Residential 2 dwellings/acre	32	17	52	2.34	2.28	2.21	2.16	2.11	2.02		0.70	0.40	1.60	2.67	3.21					
	96.41		S30	B	Residential 2 dwellings/acre	56	36	76	46.30	44.31	41.57	37.25	30.82	26.01		0.70	0.30	20.25	33.74	40.49					
	125.34		S30	C	Residential 2 dwellings/acre	69	50	86	76.52	73.89	70.11	63.72	52.75	41.71		0.70	0.25	26.32	43.87	52.64					
	23.54		S30	D	Residential 2 dwellings/acre	75	57	91	15.93	15.46	14.79	13.62	11.49	9.14		0.70	0.20	4.94	8.24	9.89					
	1.01		S30	A	Residential 3-4 dwellings/acre	32	17	52	0.40	0.40	0.39	0.38	0.37	0.36		0.60	0.40	0.18	0.30	0.36					
	86.85		S30	B	Residential 3-4 dwellings/acre	56	36	76	47.68	46.10	43.91	40.45	35.20	31.03		0.60	0.30	15.63	26.06	31.27					
	144.00		S30	C	Residential 3-4 dwellings/acre	69	50	86	95.13	92.47	88.63	82.13	70.84	59.23		0.60	0.25	25.92	43.20	51.84					
	14.92		S30	D	Residential 3-4 dwellings/acre	75	57	91	10.70	10.44	10.06	9.41	8.20	6.85		0.60	0.20	2.69	4.48	5.37					
	1.95		S30	A	Residential 5-7 dwellings/acre	32	17	52	0.96	0.95	0.93	0.92	0.90	0.86		0.50	0.40	0.29	0.49	0.59					
	99.54		S30	B	Residential 5-7 dwellings/acre	56	36	76	61.48	59.92	57.75	54.27	48.86	44.28		0.50	0.30	14.93	24.89	29.86					
	131.14		S30	C	Residential 5-7 dwellings/acre	69	50	86	93.20	91.11	88.08	82.93	73.85	64.23		0.50	0.25	19.67	32.79	39.34					
	12.10		S30	D	Residential 5-7 dwellings/acre	75	57	91	9.17	8.99	8.72	8.26	7.39	6.41		0.50	0.20	1.82	3.03	3.63					
	19.70		S30	B	Residential 8-10 dwellings/acre	56	36	76	13.52	13.26	12.90	12.30	11.36	10.49		0.40	0.30	2.36	3.94	4.73					
	7.60		S30	C	Residential 8-10 dwellings/acre	69	50	86	5.78	5.68	5.53	5.28	4.82	4.32		0.40	0.25	0.91	1.52	1.82					
	12.71		S30	B	School	56	36	76	6.98	6.75	6.43	5.92	5.15	4.54		0.60	0.30	2.29	3.81	4.58					
	9.16		S30	C	School	69	50	86	6.05	5.88	5.64	5.22	4.51	3.77		0.60	0.25	1.65	2.75	3.30					
	23.69		S30	A	Turf, Good	33	17	53	0.75	0.48	0.19	0.00	0.00	0.00		1.00	0.40	7.11	11.85	14.21					
	117.50		S30	B	Turf, Good	58	38	77	35.36	32.02	27.39	20.12	9.37	1.70		1.00	0.30	35.25	58.75	70.50					
	22.40		S30	C	Turf, Good	72	53	89	11.35	10.73	9.83	8.31	5.66	2.99		1.00	0.25	6.72	11.20	13.44					
	3.50		S30	D	Turf, Good	79	62	93	2.17	2.09	1.96	1.74	1.33	0.86		1.00	0.20	1.05	1.75	2.10					
	0.51		S30	A	Water	98	95	100	0.49	0.49	0.49	0.48	0.47	0.45		0.00	0.40	0.00	0.00	0.00					
	14.50		S30	B	Water	98	95	100	13.94	13.89	13.81	13.66	13.32	12.79		0.00	0.30	0.00	0.00	0.00					
	1.56		S30	C	Water	98	95	100	1.50	1.49	1.49	1.47	1.43	1.38		0.00	0.25	0.00	0.00	0.00					
	2.35		S30	D	Water	98	95	100	2.26	2.25	2.24	2.21	2.16	2.07		0.00	0.20	0.00	0.00	0.00					
	24.20		S30	A	Woodland, Grass, Fair	44	26	64	3.13	2.60	1.91	0.00	0.00	0.00		1.00	0.40	7.26	12.10	14.52					
	31.86		S30	B	Woodland, Grass, Fair	65	45	83	12.75	11.82	10.51	1.49	0.15	0.00		1.00	0.30	9.56	15.93	19.12					
	46.40		S30	C	Woodland, Grass, Fair	77	59	92	27.24	26.05	24.31	8.73	4.30	0.97		1.00	0.25	13.92	23.20	27.84					
	0.01		S30	D	Woodland, Grass, Fair	82	66	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.20	0.00	0.01	0.01					
	5.17		S31	B	Chaparral, Broadleaf, Fair	63	43	81	1.92	1.77	1.56	0.17	0.01	0.00		1.00	0.30	1.55	2.59	3.10					
	18.15		S31	C	Chaparral, Broadleaf, Fair	75	57	91	10.06	9.58	8.88	2.89	1.29	0.19		1.00	0.25	5.45	9.08	10.89					
	12.74		S31	D	Chaparral, Broadleaf, Fair	81	64	95	8.33	8.04	7.60	3.24	1.87	0.68		1.00	0.20	3.82	6.37	7.64					
	2.64		S31	B	Chaparral, Narrowleaf, Fair	72	53	89	1.34	1.26	1.16	0.32	0.11	0.00		1.00	0.30	0.79	1.32	1.58					
	23.13		S31	C	Chaparral, Narrowleaf, Fair	81	64	95	15.12	14.59	13.80	5.88	3.40	1.24		1.00	0.25	6.94	11.57	13.88					
	3.78		S31	D	Chaparral, Narrowleaf, Fair	86	72	97	2.80	2.73	2.62	1.38	0.93	0.49		1.00	0.20	1.13	1.89	2.27					
	0.16		S31	C	Commercial, Industrial	69	50	86	0.15	0.14	0.14	0.14	0.14	0.13		0.10	0.25	0.00	0.01	0.01					
	0.84		S31	D	Commercial, Industrial	75	57	91	0.77	0.77	0.76	0.75	0.72	0.68		0.10	0.20	0.03	0.04	0.05					
	0.55		S31	A	Condominiums	32	17	52	0.35	0.35	0.34	0.34	0.33	0.32		0.35	0.40	0.06	0.10	0.12					
	0.95		S31	B	Condominiums	56	36	76	0.68	0.67	0.66	0.63	0.59	0.55		0.35	0.30	0.10	0.17	0.20					
	13.97		S31	C	Condominiums	69	50	86	10.98	10.81	10.56	10.13	9.36	8.49		0.35	0.25	1.47	2.44	2.93					
	0.00		S31	D	Condominiums	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.20	0.00	0.00	0.00					
	4.75		S31	B	Fallow	86	72	97	3.52	3.43	3.29	1.73	1.17	0.61		1.00	0.30	1.43	2.38	2.85					
	20.45		S31	C	Fallow	91	80	98	16.97	16.70	16.28	10.47	8.09	5.36		1.00	0.25	6.14	10.23	12.27					
	0.81		S31	D	Fallow	94	85	99	0.72	0.71	0.70	0.51	0.42	0.31		1.00	0.20	0.24	0.41	0.49					
	3.48		S31	B	Grass, Annual or Perennial, Fair	69	50	86	1.60	1.50	1.36	0.30	0.08	0.00		1.00	0.30	1.04	1.74	2.09					
	36.54		S31	C	Grass, Annual or Perennial, Fair	79	62	93	22.66	21.77	20.45	8.00	4.28	1.27		1.00	0.25	10.96	18.27	21.92					
	1.39		S31	D	Grass, Annual or Perennial, Fair	84	69	96	0.98	0.95	0.91	0.44	0.28	0.13		1.00	0.20	0.42	0.70	0.83					
	0.07		S31	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.04					
	27.57		S31	B	Open Brush, Fair	66	46	84	11.44	10.64	9.51	1.53	0.22	0.00		1.00	0.30	8.27	13.79	16.54					
	420.56		S31	C	Open Brush, Fair	77	59	92	246.89	236.14	220.36	79.15	39.02	8.80		1.00	0.25	126.17	210.28	252.34					
	21.02		S31																						

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMCI/AMCII					5.63								
																			Storm Event (Year)			HC
																			EV			HC
																			> 5	5	2	All

	103.79		S31	B	Residential 3-4 dwellings/acre	56	36	76	56.98	55.09	52.48	48.34	42.06	37.09		0.60	0.30	18.68	31.14	37.36	
	103.53		S31	C	Residential 3-4 dwellings/acre	69	50	86	68.39	66.48	63.72	59.05	50.93	42.58		0.60	0.25	18.64	31.06	37.27	
	2.40		S31	D	Residential 3-4 dwellings/acre	75	57	91	1.72	1.68	1.62	1.51	1.32	1.10		0.60	0.20	0.43	0.72	0.86	
	12.16		S31	A	Residential 5-7 dwellings/acre	32	17	52	6.00	5.92	5.82	5.73	5.59	5.36		0.50	0.40	1.82	3.04	3.65	
	148.36		S31	B	Residential 5-7 dwellings/acre	56	36	76	91.64	89.31	86.07	80.88	72.82	65.99		0.50	0.30	22.25	37.09	44.51	
	167.09		S31	C	Residential 5-7 dwellings/acre	69	50	86	118.75	116.09	112.23	105.66	94.09	81.84		0.50	0.25	25.06	41.77	50.13	
	7.77		S31	D	Residential 5-7 dwellings/acre	75	57	91	5.89	5.77	5.60	5.30	4.75	4.11		0.50	0.20	1.17	1.94	2.33	
	28.80		S31	A	Row Crops, Poor	72	53	89	14.59	13.79	12.64	3.46	1.25	0.05		1.00	0.40	8.64	14.40	17.28	
	3.32		S31	B	Row Crops, Poor	81	64	95	2.17	2.09	1.98	0.84	0.49	0.18		1.00	0.30	1.00	1.66	1.99	
	6.60		S31	C	Row Crops, Poor	88	75	98	5.12	5.01	4.84	2.76	1.98	1.15		1.00	0.25	1.98	3.30	3.96	
	1.34		S31	D	Row Crops, Poor	91	80	98	1.11	1.09	1.07	0.69	0.53	0.35		1.00	0.20	0.40	0.67	0.80	
	6.21		S31	B	School	56	36	76	3.41	3.30	3.14	2.89	2.52	2.22		0.60	0.30	1.12	1.86	2.24	
	11.04		S31	C	School	69	50	86	7.29	7.09	6.80	6.30	5.43	4.54		0.60	0.25	1.99	3.31	3.97	
	3.90		S31	D	School	75	57	91	2.80	2.73	2.63	2.46	2.14	1.79		0.60	0.20	0.70	1.17	1.40	
	51.85		S31	A	Turf, Good	33	17	53	1.64	1.05	0.42	0.00	0.00	0.00		1.00	0.40	15.56	25.93	31.11	
	114.80		S31	B	Turf, Good	58	38	77	34.55	31.28	26.76	19.66	9.16	1.66		1.00	0.30	34.44	57.40	68.88	
	33.86		S31	C	Turf, Good	72	53	89	17.16	16.22	14.86	12.56	8.56	4.53		1.00	0.25	10.16	16.93	20.32	
	0.44		S31	D	Turf, Good	79	62	93	0.27	0.26	0.25	0.22	0.17	0.11		1.00	0.20	0.13	0.22	0.26	
	33.60		S31	A	Woodland, Grass, Fair	44	26	64	4.35	3.61	2.65	0.00	0.00	0.00		1.00	0.40	10.08	16.80	20.16	
	26.08		S31	B	Woodland, Grass, Fair	65	45	83	10.44	9.68	8.61	1.22	0.12	0.00		1.00	0.30	7.82	13.04	15.65	
	48.80		S31	C	Woodland, Grass, Fair	77	59	92	28.65	27.40	25.57	9.18	4.53	1.02		1.00	0.25	14.64	24.40	29.28	
	1.07		S31	D	Woodland, Grass, Fair	82	66	95	0.72	0.69	0.66	0.29	0.18	0.07		1.00	0.20	0.32	0.54	0.64	
	1.50		S32	C	Barren	91	80	98	1.24	1.22	1.19	0.77	0.59	0.39		1.00	0.25	0.45	0.75	0.90	
	0.60		S32	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.32	0.29	0.10	0.04	0.01		1.00	0.25	0.18	0.30	0.36	
	10.15		S32	B	Commercial, Industrial	56	36	76	9.06	9.00	8.91	8.76	8.46	8.07		0.10	0.30	0.30	0.51	0.61	
	0.33		S32	C	Commercial, Industrial	69	50	86	0.30	0.30	0.30	0.29	0.28	0.27		0.10	0.25	0.01	0.02	0.02	
	4.83		S32	D	Commercial, Industrial	75	57	91	4.45	4.42	4.38	4.30	4.14	3.92		0.10	0.20	0.14	0.24	0.29	
	8.06		S32	B	Condominiums	56	36	76	5.81	5.71	5.58	5.35	4.99	4.64		0.35	0.30	0.85	1.41	1.69	
	7.30		S32	C	Condominiums	69	50	86	5.74	5.65	5.52	5.29	4.89	4.44		0.35	0.25	0.77	1.28	1.53	
	0.90		S32	A	Fallow	77	59	92	0.53	0.51	0.47	0.17	0.08	0.02		1.00	0.40	0.27	0.45	0.54	
	1.13		S32	B	Fallow	86	72	97	0.84	0.82	0.78	0.41	0.28	0.15		1.00	0.30	0.34	0.57	0.68	
	3.76		S32	C	Fallow	91	80	98	3.12	3.07	2.99	1.92	1.49	0.99		1.00	0.25	1.13	1.88	2.26	
	2.57		S32	D	Fallow	94	85	99	2.28	2.25	2.21	1.60	1.33	1.00		1.00	0.20	0.77	1.29	1.54	
	0.13		S32	A	Grass, Annual or Perennial, Fair	50	31	70	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.04	0.07	0.08	
	75.47		S32	B	Grass, Annual or Perennial, Fair	69	50	86	34.73	32.58	29.49	6.45	1.69	0.00		1.00	0.30	22.64	37.74	45.28	
	143.60		S32	C	Grass, Annual or Perennial, Fair	79	62	93	89.05	85.55	80.38	31.43	16.83	4.98		1.00	0.25	43.08	71.80	86.16	
	7.85		S32	D	Grass, Annual or Perennial, Fair	84	69	96	5.54	5.37	5.13	2.48	1.58	0.73		1.00	0.20	2.36	3.93	4.71	
	25.40		S32	B	Open Brush, Fair	66	46	84	10.54	9.80	8.76	1.41	0.20	0.00		1.00	0.30	7.62	12.70	15.24	
	310.79		S32	C	Open Brush, Fair	77	59	92	182.45	174.50	162.85	58.49	28.83	6.50		1.00	0.25	93.24	155.40	186.47	
	7.06		S32	D	Open Brush, Fair	83	67	96	4.86	4.70	4.48	2.08	1.29	0.55		1.00	0.20	2.12	3.53	4.24	
	19.85		S32	B	Public Park	56	36	76	7.49	7.00	6.34	5.30	3.80	2.75		0.85	0.30	5.06	8.44	10.12	
	5.35		S32	C	Public Park	69	50	86	2.86	2.73	2.54	2.22	1.68	1.15		0.85	0.25	1.36	2.27	2.73	
	5.96		S32	D	Public Park	75	57	91	3.67	3.53	3.33	2.98	2.36	1.68		0.85	0.20	1.52	2.53	3.04	
	30.31		S32	C	Residential 2 dwellings/acre	69	50	86	18.50	17.87	16.95	15.41	12.76	10.09		0.70	0.25	6.37	10.61	12.73	
	1.81		S32	D	Residential 2 dwellings/acre	75	57	91	1.22	1.19	1.14	1.05	0.88	0.70		0.70	0.20	0.38	0.63	0.76	
	0.30		S32	A	Residential 3-4 dwellings/acre	32	17	52	0.12	0.12	0.12	0.11	0.11	0.11		0.60	0.40	0.05	0.09	0.11	
	71.64		S32	B	Residential 3-4 dwellings/acre	56	36	76	39.33	38.03	36.22	33.37	29.03	25.60		0.60	0.30	12.90	21.49	25.79	
	97.27		S32	C	Residential 3-4 dwellings/acre	69	50	86	64.26	62.46	59.87	55.48	47.85	40.01		0.60	0.25	17.51	29.18	35.02	
	10.38		S32	D	Residential 3-4 dwellings/acre	75	57	91	7.44	7.27	7.00	6.54	5.70	4.76		0.60	0.20	1.87	3.11	3.74	
	1.16		S32	A	Residential 5-7 dwellings/acre	32	17	52	0.57	0.56	0.56	0.55	0.53	0.51		0.50	0.40	0.17	0.29	0.35	
	61.61		S32	B	Residential 5-7 dwellings/acre	56	36	76	38.06	37.09	35.74	33.59	30.24	27.40		0.50	0.30	9.24	15.40	18.48	
	77.55		S32	C	Residential 5-7 dwellings/acre	69	50	86	55.12	53.88	52.09	49.04	43.67	37.98		0.50	0.25	11.63	19.39	23.27	
	18.29		S32	D	Residential 5-7 dwellings/acre	75	57	91	13.86	13.59	13.18	12.48	11.18	9.69		0.50	0.20	2.74	4.57	5.49	
	0.49		S32	A	Row Crops, Poor	72	53	89	0.25	0.23	0.22	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.29	
	0.02		S32	B	Row Crops, Poor	81	64	95	0.01	0.01	0.01	0.01	0.00	0.00		1.00	0.30	0.01	0.01	0.01	
	2.90		S32	C	Row Crops, Poor	88	75	98	2.25	2.20	2.13	1.21	0.87	0.50		1.00	0.25	0.87	1.45	1.74	
	2.20		S32	D	Row Crops, Poor	91	80	98	1.83	1.80	1.75	1.13	0.87	0.58		1.00	0.20	0.66	1.10	1.32	
	3.35		S32	B	School	56	36	76	1.84	1.78	1.69	1.56	1.36	1.20		0.60	0.30	0.60	1.01	1.21	
	4.81		S32	C	School	69	50	86	3.18	3.09	2.96	2.74	2.37	1.98		0.60	0.25	0.87	1.44	1.73	
	5.12		S32	D	School	75	57	91	3.67	3.58	3.45	3.23	2.81	2.35		0.60	0.20	0.92	1.54	1.84	
	3.04		S32	A	Woodland, Grass, Fair	44	26	64	0.39	0.33	0.24	0.00	0.00	0.00		1.00	0.40	0.91	1.52	1.82	
	73.14		S32	B	Woodland, Grass, Fair	65	45	83	29.27	27.14	24.14	3.43	0.33	0.00		1.00	0.30	21.94	36.57	43.88	
	18.30		S32	C	Woodland, Grass, Fair	77	59	92	10.74	10.28	9.59	3.44	1.70	0.38		1.00	0.25	5.49	9.15	10.98	
	1.40		S32	D	Woodland, Grass, Fair	82	66	95	0.94	0.91	0.86	0.38	0.23	0.09		1.00	0.20	0.42	0.70	0.84	
	0.1	HZ-206	S33	A	Barren	78	61	93	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.40	0.03	0.05	0.06	
	2.6	HZ-206	S33	A	Open Brush, Fair	46	28	66	0.39	0.33	0.25	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56	
	3.1	HZ-206	S33	A	Row Crops, Poor	72	53	89	1.57	1.48	1.36	0.37	0.14	0.00		1.00	0.40	0.93	1.55	1.86	
	0.4	HZ-206	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24	
	0.2	HZ-206	S33	B	Chaparral, Broadleaf, Fair	63	43	81</													

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMCI/AMCII						5.63							
	34.6	HZ-206	S33	B	Row Crops, Poor	81	64	95	22.62	21.82	20.64	8.80	5.08	1.85		1.00	0.30	10.38	17.30	20.76		
	2.4	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.96	0.89	0.79	0.11	0.01	0.00		1.00	0.30	0.72	1.20	1.44		
	22.6	HZ-206	S33	C	Open Brush, Fair	77	59	92	13.27	12.69	11.84	4.25	2.10	0.47		1.00	0.25	6.78	11.30	13.56		
	11.6	HZ-206	S33	C	Row Crops, Poor	88	75	98	9.00	8.80	8.51	4.86	3.48	2.02		1.00	0.25	3.48	5.80	6.96		
	0.4	HZ-206	S33	D	Apartments	75	57	91	0.35	0.35	0.34	0.34	0.32	0.30		0.20	0.20	0.02	0.04	0.05		
	4.8	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	3.14	3.03	2.86	1.22	0.70	0.26		1.00	0.20	1.44	2.40	2.88		
	1.6	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.13	1.10	1.05	0.51	0.32	0.15		1.00	0.20	0.48	0.80	0.96		
	46.4	HZ-206	S33	D	Open Brush, Fair	83	67	96	31.92	30.92	29.43	13.68	8.46	3.64		1.00	0.20	13.92	23.20	27.84		
	0.1	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01		
	60.7	HZ-206	S33	D	Row Crops, Poor	91	80	98	50.38	49.56	48.32	31.08	24.00	15.91		1.00	0.20	18.21	30.35	36.42		
	5.8	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.89	3.76	3.57	1.59	0.95	0.38		1.00	0.20	1.74	2.90	3.48		
	0.2	HZ-207	S33	A	Barren	78	61	93	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.40	0.06	0.10	0.12		
	0.4	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24		
	0.8	HZ-207	S33	B	Barren	86	72	97	0.59	0.58	0.55	0.29	0.20	0.10		1.00	0.30	0.24	0.40	0.48		
	1.4	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.25	1.24	1.23	1.21	1.17	1.11		1.00	0.30	0.40	0.07	0.08		
	2.6	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	1.20	1.12	1.02	0.22	0.06	0.00		1.00	0.30	0.78	1.30	1.56		
	2.2	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.91	0.85	0.76	0.12	0.02	0.00		1.00	0.30	0.66	1.10	1.32		
	3.1	HZ-207	S33	B	Row Crops, Poor	81	64	95	2.03	1.96	1.85	0.79	0.46	0.17		1.00	0.30	0.93	1.55	1.86		
	3.4	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.36	1.26	1.12	0.16	0.02	0.00		1.00	0.30	1.02	1.70	2.04		
	0.5	HZ-207	S33	D	Barren	93	83	99	0.43	0.43	0.42	0.29	0.24	0.17		1.00	0.20	0.15	0.25	0.30		
	0.2	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12		
	3.6	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.31	3.29	3.26	3.20	3.09	2.92		0.10	0.20	0.11	0.18	0.22		
	4	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.82	2.74	2.61	1.26	0.81	0.37		1.00	0.20	1.20	2.00	2.40		
	14.6	HZ-207	S33	D	Open Brush, Fair	83	67	96	10.04	9.73	9.26	4.31	2.66	1.15		1.00	0.20	4.38	7.30	8.76		
	6.3	HZ-207	S33	D	Row Crops, Poor	91	80	98	5.23	5.14	5.02	3.23	2.49	1.65		1.00	0.20	1.89	3.15	3.78		
	3.7	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.48	2.40	2.28	1.01	0.61	0.24		1.00	0.20	1.11	1.85	2.22		
	0.1	HZ-208	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06		
	0.2	HZ-208	S33	A	Open Brush, Fair	46	28	66	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12		
	5	HZ-208	S33	A	Woodland, Grass, Fair	44	26	64	0.65	0.54	0.39	0.00	0.00	0.00		1.00	0.40	1.50	2.50	3.00		
	3.2	HZ-208	S33	B	Commercial, Industrial	56	36	76	2.86	2.84	2.81	2.76	2.67	2.54		0.10	0.30	0.10	0.16	0.19		
	0.1	HZ-208	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06		
	0.9	HZ-208	S33	B	Open Brush, Fair	66	46	84	0.37	0.35	0.31	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54		
	0.3	HZ-208	S33	C	Apartments	69	50	86	0.26	0.26	0.25	0.25	0.23	0.22		0.20	0.25	0.02	0.03	0.04		
	0.2	HZ-208	S33	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12		
	1	HZ-208	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.16	0.07	0.01		1.00	0.25	0.30	0.50	0.60		
	41.9	HZ-208	S33	C	Commercial, Industrial	69	50	86	38.18	37.93	37.56	36.88	35.52	33.68		0.10	0.25	1.26	2.10	2.51		
	7.2	HZ-208	S33	C	Grass, Annual or Perennial, Fair	79	62	93	4.47	4.29	4.03	1.58	0.84	0.25		1.00	0.25	2.16	3.60	4.32		
	25	HZ-208	S33	C	Open Brush, Fair	77	59	92	14.68	14.04	13.10	4.71	2.32	0.52		1.00	0.25	7.50	12.50	15.00		
	0.1	HZ-208	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05		
	0.9	HZ-208	S33	C	Row Crops, Poor	88	75	98	0.70	0.68	0.66	0.38	0.27	0.16		1.00	0.25	0.27	0.45	0.54		
	0.3	HZ-208	S33	C	School	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11		
	13.2	HZ-208	S33	C	Woodland, Grass, Fair	77	59	92	7.75	7.41	6.92	2.48	1.22	0.28		1.00	0.25	3.96	6.60	7.92		
	0.5	HZ-208	S33	D	Apartments	75	57	91	0.44	0.44	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06		
	0.6	HZ-208	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03		1.00	0.20	0.18	0.30	0.36		
	33.9	HZ-208	S33	D	Commercial, Industrial	75	57	91	31.21	31.01	30.72	30.18	29.06	27.52		0.10	0.20	1.02	1.70	2.03		
	17.6	HZ-208	S33	D	Grass, Annual or Perennial, Fair	84	69	96	12.41	12.05	11.50	5.57	3.55	1.64		1.00	0.20	5.28	8.80	10.56		
	16.8	HZ-208	S33	D	Open Brush, Fair	83	67	96	11.56	11.20	10.66	4.95	3.06	1.32		1.00	0.20	5.40	8.40	10.08		
	0.6	HZ-208	S33	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.52	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07		
	1.5	HZ-208	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.20	1.18	1.15	1.10	1.01	0.90		0.40	0.20	0.18	0.30	0.36		
	10	HZ-208	S33	D	Row Crops, Poor	91	80	98	8.30	8.17	7.96	5.12	3.95	2.62		1.00	0.20	3.00	5.00	6.00		
	0.3	HZ-208	S33	D	School	75	57	91	0.22	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11		
	0.7	HZ-208	S33	D	Woodland, Grass, Fair	82	66	95	0.47	0.45	0.43	0.19	0.11	0.05		1.00	0.20	0.21	0.35	0.42		
	0.2	HZ-31010	S33	B	Commercial, Industrial	56	36	76	0.18	0.18	0.18	0.17	0.17	0.16		0.10	0.30	0.01	0.01	0.01		
	0.1	HZ-31010	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06		
	0.2	HZ-31010	S33	B	Orchards, Evergreen, Fair	65	45	83	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	3.7	HZ-31010	S33	C	Barren	91	80	98	3.07	3.02	2.95	1.89	1.46	0.97		1.00	0.25	1.11	1.85	2.22		
	0.3	HZ-31010	S33	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02		
	3.2	HZ-31010	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.98	1.91	1.79	0.70	0.38	0.11		1.00	0.25	0.96	1.60	1.92		
	3.6	HZ-31010	S33	C	Woodland, Grass, Fair	77	59	92	2.11	2.02	1.89	0.68	0.33	0.08		1.00	0.25	1.08	1.80	2.16		
	1.9	HZ-31010	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.34	1.30	1.24	0.60	0.38	0.18		1.00	0.20	0.57	0.95	1.14		
	0.6	HZ-31010	S33	D	Woodland, Grass, Fair	82	66	95	0.40	0.39	0.37	0.16	0.10	0.04		1.00	0.20	0.18	0.30	0.36		
	0.3	HZ-31010.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18		
	0.8	HZ-31010.2	S33	A	Woodland, Grass, Fair	44	26	64	0.10	0.09	0.06	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48		
	0.5	HZ-31010.2	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.30	0.28	0.11	0.06	0.02		1.00	0.25	0.15	0.25	0.30		
	0.2	HZ-31010.2	S33	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12		
	0.3	HZ-31010.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.21	0.21	0.20	0.09	0.06	0.03		1.00	0.20	0.09	0.15	0.18		
	0.3	HZ-31100	S33	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18		
	0.5	HZ-31100	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.32	0.30	0.13	0.07	0.								

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	Storm Event (Year)					HC							
						100	50	25	10	5	2	100	1	2	5	10			20	50	100					
						AMC			P ₂₄ (Inches)																	
						II	I	III	AMCI/AMCII							5.63										
	0.5	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.32	0.30	0.13	0.07	0.03		1.00	0.20	0.15	0.25	0.30						
	0.7	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.48	0.47	0.44	0.21	0.13	0.05		1.00	0.20	0.21	0.35	0.42						
	0.1	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06						
	0.3	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.20	0.19	0.18	0.08	0.04	0.02		1.00	0.20	0.09	0.15	0.18						
	1.9	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.31	1.27	1.21	0.56	0.35	0.15		1.00	0.20	0.57	0.95	1.14						
	1.1	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.65	0.62	0.58	0.21	0.10	0.02		1.00	0.25	0.33	0.55	0.66						
	2.5	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.72	1.67	1.59	0.74	0.46	0.20		1.00	0.20	0.75	1.25	1.50						
	0.7	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.39	0.37	0.34	0.11	0.05	0.01		1.00	0.25	0.21	0.35	0.42						
	3	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.76	1.68	1.57	0.56	0.28	0.06		1.00	0.25	0.90	1.50	1.80						
	0.6	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03		1.00	0.20	0.18	0.30	0.36						
	2.1	HZ-31104	S33	D	Open Brush, Fair	83	67	96	1.44	1.40	1.33	0.62	0.38	0.16		1.00	0.20	0.63	1.05	1.26						
	0.6	HZ-31105	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.22	0.21	0.18	0.02	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	0.1	HZ-31105	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06						
	2.8	HZ-31105	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.55	1.48	1.37	0.45	0.20	0.03		1.00	0.25	0.84	1.40	1.68						
	2.6	HZ-31105	S33	C	Open Brush, Fair	77	59	92	1.53	1.46	1.36	0.49	0.24	0.05		1.00	0.25	0.78	1.30	1.56						
	0.6	HZ-31105	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03		1.00	0.20	0.18	0.30	0.36						
	4.1	HZ-31105	S33	D	Open Brush, Fair	83	67	96	2.82	2.73	2.60	1.21	0.75	0.32		1.00	0.20	1.23	2.05	2.46						
	0.8	HZ-31106	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.30	0.27	0.24	0.03	0.00	0.00		1.00	0.30	0.24	0.40	0.48						
	1.5	HZ-31106	S33	B	Open Brush, Fair	66	46	84	0.62	0.58	0.52	0.08	0.01	0.00		1.00	0.30	0.45	0.75	0.90						
	1.9	HZ-31106	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.05	1.00	0.93	0.30	0.13	0.02		1.00	0.25	0.57	0.95	1.14						
	8.2	HZ-31106	S33	C	Open Brush, Fair	77	59	92	4.81	4.60	4.30	1.54	0.76	0.17		1.00	0.25	2.46	4.10	4.92						
	2.7	HZ-31106	S33	D	Open Brush, Fair	83	67	96	1.86	1.80	1.71	0.80	0.49	0.21		1.00	0.20	0.81	1.35	1.62						
	0.5	HZ-31107	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.19	0.17	0.15	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30						
	1.1	HZ-31107	S33	B	Open Brush, Fair	66	46	84	0.46	0.42	0.38	0.06	0.01	0.00		1.00	0.30	0.33	0.55	0.66						
	6.5	HZ-31107	S33	C	Chaparral, Broadleaf, Fair	75	57	91	3.60	3.43	3.18	1.04	0.46	0.07		1.00	0.25	1.95	3.25	3.90						
	5.5	HZ-31107	S33	C	Open Brush, Fair	77	59	92	3.23	3.09	2.88	1.04	0.51	0.12		1.00	0.25	1.65	2.75	3.30						
	1.3	HZ-31107	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.85	0.82	0.78	0.33	0.19	0.07		1.00	0.20	0.39	0.65	0.78						
	3.4	HZ-31107	S33	D	Open Brush, Fair	83	67	96	2.34	2.27	2.16	1.00	0.62	0.27		1.00	0.20	1.02	1.70	2.04						
	0.7	HZ-31108	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.26	0.24	0.21	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42						
	2.2	HZ-31108	S33	B	Grass, Annual or Perennial, Fair	69	50	86	1.01	0.95	0.86	0.19	0.05	0.00		1.00	0.30	0.66	1.10	1.32						
	3.1	HZ-31108	S33	B	Open Brush, Fair	66	46	84	1.29	1.20	1.07	0.17	0.02	0.00		1.00	0.30	0.93	1.55	1.86						
	0.9	HZ-31108	S33	B	Woodland, Grass, Fair	65	45	83	0.36	0.33	0.30	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54						
	7.4	HZ-31108	S33	C	Chaparral, Broadleaf, Fair	75	57	91	4.10	3.91	3.62	1.18	0.53	0.08		1.00	0.25	2.22	3.70	4.44						
	0.3	HZ-31108	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.19	0.18	0.17	0.07	0.04	0.01		1.00	0.25	0.09	0.15	0.18						
	11.4	HZ-31108	S33	C	Open Brush, Fair	77	59	92	6.69	6.40	5.97	2.15	1.06	0.24		1.00	0.25	3.42	5.70	6.84						
	8.9	HZ-31108	S33	C	Woodland, Grass, Fair	77	59	92	5.22	5.00	4.66	1.68	0.83	0.19		1.00	0.25	2.67	4.45	5.34						
	1.9	HZ-31108	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.24	1.20	1.13	0.48	0.28	0.10		1.00	0.20	0.57	0.95	1.14						
	9.2	HZ-31108	S33	D	Open Brush, Fair	83	67	96	6.33	6.13	5.84	2.71	1.68	0.72		1.00	0.20	2.76	4.60	5.52						
	1.4	HZ-31108	S33	D	Woodland, Grass, Fair	82	66	95	0.94	0.91	0.86	0.38	0.23	0.09		1.00	0.20	0.42	0.70	0.84						
	0.8	HZ-31109	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.37	0.35	0.31	0.07	0.02	0.00		1.00	0.30	0.24	0.40	0.48						
	0.6	HZ-31109	S33	B	Open Brush, Fair	66	46	84	0.25	0.23	0.21	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	0.1	HZ-31109	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05						
	1.3	HZ-31109	S33	B	Row Crops, Poor	81	64	95	0.85	0.82	0.78	0.33	0.19	0.07		1.00	0.30	0.39	0.65	0.78						
	4	HZ-31109	S33	B	Woodland, Grass, Fair	65	45	83	1.60	1.48	1.32	0.19	0.02	0.00		1.00	0.30	1.20	2.00	2.40						
	1.5	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.83	0.79	0.73	0.24	0.11	0.02		1.00	0.25	0.45	0.75	0.90						
	0.3	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.19	0.18	0.17	0.07	0.04	0.01		1.00	0.25	0.09	0.15	0.18						
	9.6	HZ-31109	S33	C	Open Brush, Fair	77	59	92	5.64	5.39	5.03	1.81	0.89	0.20		1.00	0.25	2.88	4.80	5.76						
	0.4	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22						
	6.2	HZ-31109	S33	C	Row Crops, Poor	88	75	98	4.81	4.70	4.55	2.60	1.86	1.08		1.00	0.25	1.86	3.10	3.72						
	3.9	HZ-31109	S33	C	Woodland, Grass, Fair	77	59	92	2.29	2.19	2.04	0.73	0.36	0.08		1.00	0.25	1.17	1.95	2.34						
	1.4	HZ-31109	S33	D	Row Crops, Poor	91	80	98	1.16	1.14	1.11	0.72	0.55	0.37		1.00	0.20	0.42	0.70	0.84						
	4.9	HZ-31110	S33	A	Barren	78	61	93	2.96	2.83	2.65	1.00	0.51	0.13		1.00	0.40	1.47	2.45	2.94						
	1.5	HZ-31110	S33	A	Row Crops, Poor	72	53	89	0.76	0.72	0.66	0.18	0.07	0.00		1.00	0.40	0.45	0.75	0.90						
	0.6	HZ-31110	S33	B	Residential 2.5 acre lots	56	36	76	0.21	0.19	0.17	0.14	0.09	0.06		0.90	0.30	0.16	0.27	0.32						
	2.5	HZ-31110	S33	B	Row Crops, Poor	81	64	95	1.63	1.58	1.49	0.64	0.37	0.13		1.00	0.30	0.75	1.25	1.50						
	5.3	HZ-31110	S33	C	Row Crops, Poor	88	75	98	4.11	4.02	3.89	2.22	1.59	0.92		1.00	0.25	1.59	2.65	3.18						
	3.3	HZ-31110	S33	D	Row Crops, Poor	91	80	98	2.74	2.69	2.63	1.69	1.30	0.87		1.00	0.20	0.99	1.65	1.98						
	1.3	HZ-31111	S33	A	Barren	78	61	93	0.78	0.75	0.70	0.26	0.14	0.04		1.00	0.40	0.39	0.65	0.78						
	0.2	HZ-31111	S33	A	Commercial, Industrial	32	17	52	0.17	0.17	0.17	0.17	0.17	0.16		0.10	0.40	0.01	0.01	0.01						
	5.3	HZ-31111	S33	A	Row Crops, Poor	72	53	89	2.69	2.54	2.33	0.64	0.23	0.01		1.00	0.40	1.59	2.65	3.18						
	0.3	HZ-31111	S33	A	Woodland, Grass, Fair	44	26	64	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18						
	0.2	HZ-31111	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12						
	0.6	HZ-31111	S33	B	Open Brush, Fair	66	46	84	0.25	0.23	0.21	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	4.3	HZ-31111	S33	B	Row Crops, Poor	81	64	95	2.81	2.71	2.56	1.09	0.63	0.23		1.00	0.30	1.29	2.15	2.58						
	0.8	HZ-31111	S33	B	Woodland, Grass, Fair	65	45	83	0.32	0.30	0.26	0.04	0.00	0.00		1.00	0.30	0.24	0.40	0.48						
	1.1	HZ-31111	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.61	0.58	0.54	0.18	0.08	0.01		1.00	0.25	0.33	0.55	0.66						
	6.9	HZ-31111	S33	C	Open Brush, Fair	77	59	92	4.05	3.87	3.62	1.30	0.64	0.14		1.00	0.25									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMCI/AMCII							5.63							

	0.1	HZ-31116	S33	B	Public Park	56	36	76	0.04	0.04	0.03	0.03	0.02	0.01			0.85	0.30	0.03	0.04	0.05	
	0.1	HZ-31116	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00			1.00	0.30	0.03	0.05	0.06	
	0.1	HZ-31116	S33	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00			1.00	0.30	0.03	0.05	0.06	
	0.2	HZ-31116	S33	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07			1.00	0.20	0.06	0.10	0.12	
	0.4	HZ-31116	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.17	0.13	0.09			0.85	0.25	0.10	0.17	0.20	
	0.4	HZ-31116	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.28	0.27	0.26	0.13	0.08	0.04			1.00	0.20	0.12	0.20	0.24	
	0.8	HZ-31116	S33	D	Residential 2.5 acre lots	75	57	91	0.48	0.46	0.43	0.38	0.29	0.20			0.90	0.20	0.22	0.36	0.43	
	0.8	HZ-31116	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.37	0.35	0.31	0.07	0.02	0.00			1.00	0.30	0.24	0.40	0.48	
	1	HZ-31116	S33	D	Open Brush, Fair	83	67	96	0.69	0.67	0.63	0.29	0.18	0.08			1.00	0.20	0.30	0.50	0.60	
	1.1	HZ-31116	S33	D	Woodland, Grass, Fair	82	66	95	0.74	0.71	0.68	0.30	0.18	0.07			1.00	0.20	0.33	0.55	0.66	
	1.1	HZ-31116	S33	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.94	0.89			1.00	0.20	0.03	0.06	0.07	
	2.8	HZ-31116	S33	C	Residential 2.5 acre lots	69	50	86	1.43	1.36	1.25	1.08	0.78	0.49			0.90	0.25	0.76	1.26	1.51	
	3.5	HZ-31116	S33	C	Commercial, Industrial	69	50	86	3.19	3.17	3.14	3.08	2.97	2.81			0.10	0.25	0.11	0.18	0.21	
	5	HZ-31116	S33	C	Grass, Annual or Perennial, Fair	79	62	93	3.10	2.98	2.80	1.09	0.59	0.17			1.00	0.25	1.50	2.50	3.00	
	6.7	HZ-31116	S33	B	Residential 2.5 acre lots	56	36	76	2.30	2.13	1.89	1.52	0.99	0.64			0.90	0.30	1.81	3.02	3.62	
	7.8	HZ-31116	S33	C	Woodland, Grass, Fair	77	59	92	4.58	4.38	4.09	1.47	0.72	0.16			1.00	0.25	2.34	3.90	4.68	
	10.8	HZ-31116	S33	C	Open Brush, Fair	77	59	92	6.34	6.06	5.66	2.03	1.00	0.23			1.00	0.25	3.24	5.40	6.48	
	13.8	HZ-31116	S33	B	Commercial, Industrial	56	36	76	12.27	12.19	12.07	11.86	11.46	10.93			0.10	0.30	0.41	0.69	0.83	
	21.5	HZ-31116	S33	B	Barren	86	72	97	15.88	15.47	14.86	7.81	5.29	2.76			1.00	0.30	6.44	10.73	12.87	
	36.6	HZ-31116	S33	C	Barren	91	80	98	30.38	29.89	29.14	18.74	14.47	9.60			1.00	0.25	10.98	18.30	21.96	
	0.5	S33-01	S33	A	Barren	78	61	93	0.30	0.29	0.27	0.10	0.05	0.01			1.00	0.40	0.15	0.25	0.30	
	22.6	S33-01	S33	A	Commercial, Industrial	32	17	52	19.61	19.52	19.39	19.17	18.69	17.95			0.10	0.40	0.68	1.13	1.36	
	4.7	S33-01	S33	A	Row Crops, Poor	72	53	89	2.38	2.25	2.06	0.56	0.20	0.01			1.00	0.40	1.41	2.35	2.82	
	2.9	S33-01	S33	A	Woodland, Grass, Fair	44	26	64	0.38	0.31	0.23	0.00	0.00	0.00			1.00	0.40	0.87	1.45	1.74	
	0.2	S33-01	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.03			1.00	0.30	0.06	0.10	0.12	
	7.4	S33-01	S33	B	Commercial, Industrial	56	36	76	6.60	6.56	6.50	6.38	6.17	5.88			0.10	0.30	0.22	0.37	0.44	
	1	S33-01	S33	B	Row Crops, Poor	81	64	95	0.65	0.63	0.60	0.25	0.15	0.05			1.00	0.30	0.30	0.50	0.60	
	1.4	S33-01	S33	C	Commercial, Industrial	69	50	86	1.28	1.27	1.25	1.23	1.19	1.13			0.10	0.25	0.04	0.07	0.08	
	15.6	S33-01	S33	C	Open Brush, Fair	77	59	92	9.16	8.76	8.17	2.94	1.45	0.33			1.00	0.25	4.68	7.80	9.36	
	0.1	S33-01	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04			0.60	0.25	0.02	0.03	0.04	
	5.3	S33-01	S33	C	Row Crops, Poor	88	75	98	4.11	4.02	3.89	2.22	1.59	0.92			1.00	0.25	1.59	2.65	3.18	
	1.2	S33-02	S33	A	Barren	78	61	93	0.72	0.69	0.65	0.24	0.13	0.03			1.00	0.40	0.36	0.60	0.72	
	0.6	S33-02	S33	A	Row Crops, Poor	72	53	89	0.30	0.29	0.26	0.07	0.03	0.00			1.00	0.40	0.18	0.30	0.36	
	0.9	S33-02	S33	C	Barren	91	80	98	0.75	0.73	0.72	0.46	0.36	0.24			1.00	0.25	0.27	0.45	0.54	
	4.8	S33-02	S33	C	Open Brush, Fair	77	59	92	2.82	2.70	2.52	0.90	0.45	0.10			1.00	0.25	1.44	2.40	2.88	
	1.9	S33-02	S33	C	Row Crops, Poor	88	75	98	1.47	1.44	1.39	0.80	0.57	0.33			1.00	0.25	0.57	0.95	1.14	
	0.2	S33-05.5	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.03			1.00	0.30	0.06	0.10	0.12	
	0.5	S33-05.5	S33	B	Row Crops, Poor	81	64	95	0.33	0.32	0.30	0.13	0.07	0.03			1.00	0.30	0.15	0.25	0.30	
	1.1	S33-05.5	S33	B	Woodland, Grass, Fair	65	45	83	0.44	0.41	0.36	0.05	0.01	0.00			1.00	0.30	0.33	0.55	0.66	
	0.3	S33-05.5	S33	C	Barren	91	80	98	0.25	0.24	0.24	0.15	0.12	0.08			1.00	0.25	0.09	0.15	0.18	
	1.1	S33-05.5	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.68	0.66	0.62	0.24	0.13	0.04			1.00	0.25	0.33	0.55	0.66	
	3.5	S33-05.5	S33	C	Open Brush, Fair	77	59	92	2.05	1.97	1.83	0.66	0.32	0.07			1.00	0.25	1.05	1.75	2.10	
	1.4	S33-05.5	S33	C	Row Crops, Poor	88	75	98	1.09	1.06	1.03	0.59	0.42	0.24			1.00	0.25	0.42	0.70	0.84	
	4.8	S33-05.5	S33	D	Open Brush, Fair	83	67	96	3.30	3.20	3.04	1.42	0.88	0.38			1.00	0.20	1.44	2.40	2.88	
	0.9	S33-05.5	S33	D	Row Crops, Poor	91	80	98	0.75	0.73	0.72	0.46	0.36	0.24			1.00	0.20	0.27	0.45	0.54	
	1.7	S33-05.6	S33	B	Barren	86	72	97	1.26	1.23	1.18	0.62	0.42	0.22			1.00	0.30	0.51	0.85	1.02	
	0.6	S33-05.6	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.28	0.26	0.23	0.05	0.01	0.00			1.00	0.30	0.18	0.30	0.36	
	0.1	S33-05.6	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00			1.00	0.30	0.03	0.05	0.06	
	0.4	S33-05.6	S33	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00			1.00	0.30	0.12	0.20	0.24	
	2.2	S33-05.6	S33	C	Barren	91	80	98	1.83	1.80	1.75	1.13	0.87	0.58			1.00	0.25	0.66	1.10	1.32	
	4.2	S33-05.6	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.60	2.50	2.35	0.92	0.49	0.15			1.00	0.25	1.26	2.10	2.52	
	8.1	S33-05.6	S33	C	Open Brush, Fair	77	59	92	4.76	4.55	4.24	1.52	0.75	0.17			1.00	0.25	2.43	4.05	4.86	
	2.3	S33-05.6	S33	C	Woodland, Grass, Fair	77	59	92	1.35	1.29	1.21	0.43	0.21	0.05			1.00	0.25	0.69	1.15	1.38	
	0.2	S33-05.6	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.14	0.14	0.13	0.06	0.04	0.02			1.00	0.20	0.06	0.10	0.12	
	6.9	S33-05.6	S33	D	Open Brush, Fair	83	67	96	4.75	4.60	4.38	2.03	1.26	0.54			1.00	0.20	2.07	3.45	4.14	
	0.7	S33-05.6	S33	D	Woodland, Grass, Fair	82	66	95	0.47	0.45	0.43	0.19	0.11	0.05			1.00	0.20	0.21	0.35	0.42	
	0.4	S33-06	S33	B	Barren	86	72	97	0.30	0.29	0.28	0.15	0.10	0.05			1.00	0.30	0.12	0.20	0.24	
	9.2	S33-06	S33	B	Grass, Annual or Perennial, Fair	69	50	86	4.23	3.97	3.60	0.79	0.21	0.00			1.00	0.30	2.76	4.60	5.52	
	1	S33-06	S33	B	Open Brush, Fair	66	46	84	0.41	0.39	0.34	0.06	0.01	0.00			1.00	0.30	0.30	0.50	0.60	
	1.3	S33-06	S33	B	Woodland, Grass, Fair	65	45	83	0.52	0.48	0.43	0.06	0.01	0.00			1.00	0.30	0.39	0.65	0.78	
	2.4	S33-06	S33	C	Barren	91	80	98	1.99	1.96	1.91	1.23	0.95	0.63			1.00	0.25				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMCI/AMCII					5.63									

PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.50	0.48	0.44	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54	
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.53	1.46	1.36	0.49	0.24	0.05		1.00	0.25	0.78	1.30	1.56	
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.36	0.34	0.31	0.27	0.19	0.12		0.90	0.25	0.19	0.32	0.38	
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.56	0.53	0.49	0.42	0.31	0.19		0.90	0.25	0.30	0.50	0.59	
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.91	0.91	0.90	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06	
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.98	0.98	0.97	0.95	0.92	0.87		0.10	0.30	0.03	0.06	0.07	
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.10	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16	
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	6.01	5.97	5.92	5.81	5.60	5.31		0.10	0.25	0.20	0.33	0.40	
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.92	0.87	0.80	0.69	0.50	0.32		0.90	0.25	0.49	0.81	0.97	
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04	
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.55	3.53	3.50	3.43	3.31	3.13		0.10	0.25	0.12	0.20	0.23	
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.11	0.10	0.10	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.46	0.44	0.40	0.35	0.25	0.16		0.90	0.25	0.24	0.41	0.49	
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04	
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.11	0.11	0.10	0.08	0.06	0.04		0.85	0.30	0.08	0.13	0.15	
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.14	0.13	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22	
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.56	4.53	4.48	4.40	4.24	4.02		0.10	0.25	0.15	0.25	0.30	
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	1.12	1.07	1.00	0.87	0.66	0.45		0.85	0.25	0.54	0.89	1.07	
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.41	0.39	0.36	0.31	0.22	0.14		0.90	0.25	0.22	0.36	0.43	
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.66	1.65	1.63	1.60	1.54	1.46		0.10	0.20	0.05	0.09	0.11	
PA3 Line A	2.8	A-5	S33	B	Commercial, Industrial	56	36	76	2.50	2.48	2.46	2.42	2.33	2.23		0.10	0.30	0.08	0.14	0.17	
PA3 Line A	7.6	A-5	S33	C	Commercial, Industrial	69	50	86	6.92	6.88	6.81	6.69	6.44	6.11		0.10	0.25	0.23	0.38	0.46	
PA3 Line A	0.4	A-5	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.17	0.13	0.09		0.85	0.25	0.10	0.17	0.20	
PA3 Line A	10.5	A-5	S33	D	Commercial, Industrial	75	57	91	9.67	9.61	9.52	9.35	9.00	8.52		0.10	0.20	0.32	0.53	0.63	
PA3 Line A	0.3	A-5	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
PA3 Line A	6.8	A-6	S33	B	Commercial, Industrial	56	36	76	6.07	6.03	5.97	5.87	5.67	5.40		0.10	0.30	0.20	0.34	0.41	
PA3 Line A	12.1	A-6	S33	C	Commercial, Industrial	69	50	86	11.02	10.95	10.85	10.65	10.26	9.73		0.10	0.25	0.36	0.61	0.73	
PA3 Line A	1	A-6	S33	C	Public Park	69	50	86	0.54	0.51	0.48	0.42	0.31	0.22		0.85	0.25	0.26	0.43	0.51	
PA3 Line A	4.5	A-6	S33	D	Commercial, Industrial	75	57	91	4.14	4.12	4.08	4.01	3.86	3.65		0.10	0.20	0.14	0.23	0.27	
PA3 Line A	3.4	A-8	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.99	2.93	2.83	2.70		0.10	0.30	0.10	0.17	0.20	
PA3 Line A	6.7	A-8	S33	C	Commercial, Industrial	69	50	86	6.10	6.07	6.01	5.90	5.68	5.39		0.10	0.25	0.20	0.34	0.40	
PA3 Line A	0.1	A-8	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05	
PA3 Line A	2.5	A-8	S33	D	Commercial, Industrial	75	57	91	2.30	2.29	2.27	2.23	2.14	2.03		0.10	0.20	0.08	0.13	0.15	
PA3 Line A	7.2	A-7	S33	B	Commercial, Industrial	56	36	76	6.43	6.38	6.32	6.21	6.00	5.72		0.10	0.30	0.22	0.36	0.43	
PA3 Line A	0.7	A-7	S33	B	Public Park	56	36	76	0.26	0.25	0.22	0.19	0.13	0.10		0.85	0.30	0.18	0.30	0.36	
PA3 Line A	7.6	A-7	S33	C	Commercial, Industrial	69	50	86	6.92	6.88	6.81	6.69	6.44	6.11		0.10	0.25	0.23	0.38	0.46	
PA3 Line A	0.3	A-7	S33	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15	
PA3 Line A	4.7	A-7	S33	D	Commercial, Industrial	75	57	91	4.33	4.30	4.26	4.18	4.03	3.82		0.10	0.20	0.14	0.24	0.28	
PA3 Line A	0.4	A-7	S33	D	Public Park	75	57	91	0.25	0.24	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20	
PA3 Line A	3.5	A-18	S33	B	Commercial, Industrial	56	36	76	3.12	3.10	3.07	3.02	2.92	2.78		0.10	0.30	0.11	0.18	0.21	
PA3 Line A	0.6	A-18	S33	B	Residential 2.5 acre lots	56	36	76	0.21	0.19	0.17	0.14	0.09	0.06		0.90	0.30	0.16	0.27	0.32	
PA3 Line A	2.8	A-18	S33	C	Commercial, Industrial	69	50	86	2.55	2.53	2.51	2.46	2.37	2.25		0.10	0.25	0.08	0.14	0.17	
PA3 Line A	0.8	A-18	S33	C	Residential 2.5 acre lots	69	50	86	0.41	0.39	0.36	0.31	0.22	0.14		0.90	0.25	0.22	0.36	0.43	
PA3 Line A	0.6	A-18	S33	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04	
PA3 Line A	0.4	A-9	S33	B	Apartments	56	36	76	0.33	0.33	0.32	0.31	0.30	0.28		0.20	0.30	0.02	0.04	0.05	
PA3 Line A	5.5	A-9	S33	C	Apartments	69	50	86	4.74	4.69	4.62	4.50	4.27	3.99		0.20	0.25	0.33	0.55	0.66	
PA3 Line A	3.2	A-9	S33	D	Apartments	75	57	91	2.82	2.79	2.75	2.68	2.55	2.37		0.20	0.20	0.19	0.32	0.38	
PA3 Line A	0.4	A-10	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22	
PA3 Line A	0.3	A-10	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02	
PA3 Line A	1.3	A-10	S33	D	Public Park	75	57	91	0.80	0.77	0.73	0.65	0.51	0.37		0.85	0.20	0.33	0.55	0.66	
PA3 Line A	1	A-10	S33	D	Residential 2.5 acre lots	75	57	91	0.60	0.57	0.54	0.47	0.36	0.25		0.90	0.20	0.27	0.45	0.54	
PA3 Line A	2.3	A-11	S33	C	Commercial, Industrial	69	50	86	2.10	2.08	2.06	2.02	1.95	1.85		0.10	0.25	0.07	0.12	0.14	
PA3 Line A	0.3	A-11	S33	C	Residential 2.5 acre lots	69	50	86	0.15	0.15	0.13	0.12	0.08	0.05		0.90	0.25	0.08	0.14	0.16	
PA3 Line A	1	A-11	S33	D	Commercial, Industrial	75	57	91	0.92	0.91	0.91	0.89	0.86	0.81		0.10	0.20	0.03	0.05	0.06	
PA3 Line A	0.3	A-11	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
PA3 Line A	5	A-12	S33	C	Commercial, Industrial	69	50	86	4.56	4.53	4.48	4.40	4.24	4.02		0.10	0.25	0.15	0.25	0.30	
PA3 Line A	2.2	A-12	S33	C	Residential 2.5 acre lots	69	50	86	1.12	1.07	0.98	0.85	0.61	0.39		0.90	0.25	0.59	0.99	1.19	
PA3 Line A	1	A-12	S33	D	Commercial, Industrial	75	57	91	0.92	0.91	0.91	0.89	0.86	0.81		0.10	0.20	0.03	0.05	0.06	
PA3 Line A	0.3	A-12	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
PA3 Line A	1.6	A-13	S33	C	Commercial, Industrial	69	50	86	1.46	1.45	1.43	1.41	1.36	1.29		0.10	0.25	0.05	0.08	0.10	
PA3 Line A	0.2	A-13	S33	C	Public Park	69	50	86	0.11	0.10	0.10	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
PA3 Line A	1.1	A-13	S33	C	Residential 2.5 acre lots	69	50	86	0.56	0.53	0.49	0.42	0.31	0.19		0.90	0.25	0.30	0.50	0.59	
PA3 Line A	9	A-14	S33	C	Commercial, Industrial	69	50	86	8.20	8.15	8.07	7.92	7.63	7.23		0.10	0.25	0.27	0.45	0.54	
PA3 Line A</																					

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMCI/AMCII					5.63									
PA3 Line A	5.3	OA-3	S33	C	Open Brush, Fair	77	59	92	3.11	2.98	2.78	1.00	0.49	0.11		1.00	0.25	1.59	2.65	3.18			
PA3 Line A	0.3	OA-3	S33	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
PA3 Line A	3.4	A-16	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.99	2.93	2.83	2.70		0.10	0.30	0.10	0.17	0.20			
PA3 Line A	11	A-16	S33	C	Commercial, Industrial	69	50	86	10.02	9.96	9.86	9.68	9.33	8.84		0.10	0.25	0.33	0.55	0.66			
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.96	0.92	0.86	0.75	0.57	0.39		0.85	0.25	0.46	0.77	0.92			
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.77	0.73	0.67	0.58	0.42	0.26		0.90	0.25	0.41	0.68	0.81			
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.95	2.93	2.90	2.85	2.74	2.60		0.10	0.20	0.10	0.16	0.19			
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.77	2.75	2.72	2.67	2.58	2.46		0.10	0.30	0.09	0.16	0.19			
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.53	0.49	0.45	0.37	0.27	0.19		0.85	0.30	0.36	0.60	0.71			
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.38	0.35	0.31	0.25	0.16	0.10		0.90	0.30	0.30	0.50	0.59			
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.65	4.62	4.57	4.49	4.32	4.10		0.10	0.25	0.15	0.26	0.31			
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	1.02	0.97	0.90	0.79	0.60	0.41		0.85	0.25	0.48	0.81	0.97			
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.84	1.74	1.61	1.38	1.00	0.63		0.90	0.25	0.97	1.62	1.94			
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.49	2.47	2.45	2.40	2.31	2.19		0.10	0.20	0.08	0.14	0.16			
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.24	0.18	0.12		0.90	0.20	0.14	0.23	0.27			
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.98	0.98	0.97	0.95	0.92	0.87		0.10	0.30	0.03	0.06	0.07			
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.28	3.26	3.23	3.17	3.05	2.89		0.10	0.25	0.11	0.18	0.22			
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.46	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.11	0.10	0.10	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	2.7	A-20	S33	C	Residential 10+ dwellings/acre	69	50	86	2.32	2.30	2.27	2.21	2.10	1.96		0.20	0.25	0.16	0.27	0.32			
PA3 Line A	1.4	A-20	S33	C	Residential 2.5 acre lots	69	50	86	0.71	0.68	0.63	0.54	0.39	0.25		0.90	0.25	0.38	0.63	0.76			
PA3 Line A	0.1	A-20	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	1.3	A-20	S33	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.12	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16			
PA3 Line A	0.2	A-20	S33	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11			
PA3 Line A	5.4	A-21	S33	C	Residential 10+ dwellings/acre	69	50	86	4.65	4.60	4.54	4.42	4.19	3.92		0.20	0.25	0.32	0.54	0.65			
PA3 Line A	2.4	A-21	S33	C	Residential 2.5 acre lots	69	50	86	1.22	1.16	1.07	0.92	0.67	0.42		0.90	0.25	0.65	1.08	1.30			
PA3 Line A	0.7	A-21	S33	C	Commercial, Industrial	69	50	86	0.64	0.63	0.63	0.62	0.59	0.56		0.10	0.25	0.02	0.04	0.04			
PA3 Line A	0.6	A-21	S33	D	Residential 2.5 acre lots	75	57	91	0.36	0.34	0.32	0.28	0.22	0.15		0.90	0.20	0.16	0.27	0.32			
PA3 Line A	7.6	A-22	S33	C	Apartments	69	50	86	6.54	6.48	6.39	6.22	5.90	5.51		0.20	0.25	0.46	0.76	0.91			
PA3 Line A	1.4	A-22	S33	C	Commercial, Industrial	69	50	86	1.28	1.27	1.25	1.23	1.19	1.13		0.10	0.25	0.04	0.07	0.08			
PA3 Line A	2.3	A-22	S33	C	Residential 10+ dwellings/acre	69	50	86	1.98	1.96	1.93	1.88	1.79	1.67		0.20	0.25	0.14	0.23	0.28			
PA3 Line A	6.5	A-22	S33	C	Residential 2.5 acre lots	69	50	86	3.32	3.15	2.91	2.50	1.81	1.14		0.90	0.25	1.76	2.93	3.51			
PA3 Line A	8.4	A-22	S33	C	Residential 3-4 dwellings/acre	69	50	86	5.55	5.39	5.17	4.79	4.13	3.45		0.60	0.25	1.51	2.52	3.02			
PA3 Line A	0.5	A-22	S33	D	Apartments	75	57	91	0.44	0.44	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-22	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
PA3 Line A	1.1	A-22	S33	D	Public Park	75	57	91	0.68	0.65	0.61	0.55	0.44	0.31		0.85	0.20	0.28	0.47	0.56			
PA3 Line A	2	A-22	S33	D	Residential 10+ dwellings/acre	75	57	91	1.76	1.74	1.72	1.68	1.59	1.48		0.20	0.20	0.12	0.20	0.24			
PA3 Line A	3.8	A-22	S33	D	Residential 2.5 acre lots	75	57	91	2.26	2.17	2.04	1.80	1.39	0.94		0.90	0.20	1.03	1.71	2.05			
PA3 Line A	3.8	A-22	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.73	2.66	2.56	2.40	2.09	1.74		0.60	0.20	0.68	1.14	1.37			
PA3 Line A	0.1	A-23	S33	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
PA3 Line A	1.6	A-23	S33	C	Commercial, Industrial	69	50	86	1.46	1.45	1.43	1.41	1.36	1.29		0.10	0.25	0.05	0.08	0.10			
PA3 Line A	0.2	A-23	S33	C	Public Park	69	50	86	0.11	0.10	0.10	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	0.3	A-23	S33	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
PA3 Line A	2.1	A-23	S33	D	Commercial, Industrial	75	57	91	1.93	1.92	1.90	1.87	1.80	1.70		0.10	0.20	0.06	0.11	0.13			
PA3 Line A	0.6	A-23	S33	D	Public Park	75	57	91	0.37	0.36	0.34	0.30	0.24	0.17		0.85	0.20	0.15	0.26	0.31			
PA3 Line A	0.2	A-23	S33	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
PA3 Line A	0.5	A-25	S33	C	Apartments	69	50	86	0.43	0.43	0.42	0.41	0.39	0.36		0.20	0.25	0.03	0.05	0.06			
PA3 Line A	1.2	A-25	S33	C	Commercial, Industrial	69	50	86	1.09	1.09	1.08	1.06	1.02	0.96		0.10	0.25	0.04	0.06	0.07			
PA3 Line A	1.2	A-25	S33	C	Residential 2.5 acre lots	69	50	86	0.61	0.58	0.54	0.46	0.33	0.21		0.90	0.25	0.32	0.54	0.65			
PA3 Line A	0.1	A-25	S33	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
PA3 Line A	1.6	A-25	S33	D	Commercial, Industrial	75	57	91	1.47	1.46	1.45	1.42	1.37	1.30		0.10	0.20	0.05	0.08	0.10			
PA3 Line A	3	A-25	S33	D	Residential 2.5 acre lots	75	57	91	1.79	1.71	1.61	1.42	1.09	0.74		0.90	0.20	0.81	1.35	1.62			
PA3 Line A	1.9	A-25.1	S33	C	Apartments	69	50	86	1.64	1.62	1.60	1.55	1.48	1.38		0.20	0.25	0.11	0.19	0.23			
PA3 Line A	0.6	A-25.1	S33	C	Residential 2.5 acre lots	69	50	86	0.31	0.29	0.27	0.23	0.17	0.11		0.90	0.25	0.16	0.27	0.32			
PA3 Line A	0.3	A-25.1	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11			
PA3 Line A	5	A-25.1	S33	D	Apartments	75	57	91	4.40	4.36	4.30	4.19	3.98	3.71		0.20	0.20	0.30	0.50	0.60			
PA3 Line A	2.3	A-25.1	S33	D	Public Park	75	57	91	1.42	1.36	1.29	1.15	0.91	0.65		0.85	0.20	0.59	0.98	1.17			
PA3 Line A	3.5	A-25.1	S33	D	Residential 2.5 acre lots	75	57	91	2.08	2.00	1.87	1.66	1.28	0.87		0.90	0.20	0.95	1.58	1.89			
PA3 Line A	10.2	A-25.1	S33	D	Residential 3-4 dwellings/acre	75	57	91	7.32	7.14	6.88	6.43	5.60	4.68		0.60	0.20	1.84	3.06	3.67			
PA3 Line A	5.9	A-26	S33	C	Apartments	69	50	86	5.08	5.03	4.96	4.83	4.58	4.28		0.20	0.25	0.35	0.59	0.71			
PA3 Line A	0.1	A-26	S33	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
PA3 Line A	0.6	A-26	S33	C	Residential 2.5 acre lots	69	50	86	0.31	0.29	0.27	0.23	0.17	0.11		0.90	0.25	0.16	0.27	0.32			
PA3 Line A	6	A-26	S33	D	Apartments	75	57	91	5.28	5.23	5.16	5.03	4.77	4.45		0.20	0.20	0.36	0.60	0.72			
PA3 Line A	1.1	A-26	S33	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
PA3 Line A	4.7	A-26	S33	D	Residential 2.5 acre lots	75	57	91	2.80	2.68	2.52	2.23	1.71	1.16		0.90	0.20	1.27	2.12	2.54			
PA3 Line A	1.5	A-27	S33	B	Commercial, Industrial	56	36	76	1.34	1.33	1.32	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09			
PA3 Line A	0.2	A-27	S33	B	Public Park	56	36	76	0.08	0.07	0.06	0.05	0.04	0.03		0.85	0.30	0.05	0.09	0.10			
PA3 Line A	1.1	A-27	S33	C	Apartments	69	50	86	0.95	0.94	0.92	0.90	0.85	0.80		0.20	0.25						

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC/AMCII														
												EV			HC	All							
PA3 Line A	0.8	A-27	S33	C	Public Park	69	50	86	0.43	0.41	0.38	0.33	0.25	0.17		0.85	0.25	0.20	0.34	0.41			
PA3 Line A	4.1	A-27	S33	C	Residential 2.5 acre lots	69	50	86	2.09	1.99	1.83	1.58	1.14	0.72		0.90	0.25	1.11	1.85	2.21			
PA3 Line A	1.2	A-27	S33	D	Commercial, Industrial	75	57	91	1.10	1.10	1.09	1.07	1.03	0.97		0.10	0.20	0.04	0.06	0.07			
PA3 Line A	1.5	A-27	S33	D	Public Park	75	57	91	0.92	0.89	0.84	0.75	0.59	0.42		0.85	0.20	0.38	0.64	0.77			
PA3 Line A	0.1	A-27	S33	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05			
PA3 Line A	1	A-28	S33	B	Commercial, Industrial	56	36	76	0.89	0.89	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06			
PA3 Line A	1.3	A-28	S33	C	Commercial, Industrial	69	50	86	1.18	1.18	1.17	1.14	1.10	1.04		0.10	0.25	0.04	0.07	0.08			
PA3 Line A	12.6	A-28	S33	D	Commercial, Industrial	75	57	91	11.60	11.53	11.42	11.22	10.80	10.23		0.10	0.20	0.38	0.63	0.76			
PA3 Line A	1.1	A-28	S33	D	Public Park	75	57	91	0.68	0.65	0.61	0.55	0.44	0.31		0.85	0.20	0.28	0.47	0.56			
PA3 Line A	0.1	A-28	S33	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
PA3 Line A	2.1	A-28	S33	D	Residential 2.5 acre lots	75	57	91	1.25	1.20	1.12	1.00	0.77	0.52		0.90	0.20	0.57	0.95	1.13			
PA3 Line A	2.2	A-29	S33	C	Commercial, Industrial	69	50	86	2.00	1.99	1.97	1.94	1.87	1.77		0.10	0.25	0.07	0.11	0.13			
PA3 Line A	0.4	A-29	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22			
PA3 Line A	0.6	A-30	S33	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04			
PA3 Line A	0.6	A-30	S33	B	Residential 2.5 acre lots	56	36	76	0.21	0.19	0.17	0.14	0.09	0.06		0.90	0.30	0.16	0.27	0.32			
PA3 Line A	1.8	A-30	S33	C	Commercial, Industrial	69	50	86	1.64	1.63	1.61	1.58	1.53	1.45		0.10	0.25	0.05	0.09	0.11			
PA3 Line A	1.4	A-30	S33	C	Residential 2.5 acre lots	69	50	86	0.71	0.68	0.63	0.54	0.39	0.25		0.90	0.25	0.38	0.63	0.76			
PA3 Line A	0.8	A-30	S33	D	Commercial, Industrial	75	57	91	0.74	0.73	0.72	0.71	0.69	0.65		0.10	0.20	0.02	0.04	0.05			
PA3 Line A	1.6	A-30	S33	D	Residential 2.5 acre lots	75	57	91	0.95	0.91	0.86	0.76	0.58	0.40		0.90	0.20	0.43	0.72	0.86			
PA3 Line A	2.5	A-31	S33	B	Commercial, Industrial	56	36	76	2.23	2.22	2.20	2.16	2.08	1.99		0.10	0.30	0.08	0.13	0.15			
PA3 Line A	0.3	A-31	S33	B	Public Park	56	36	76	0.11	0.11	0.10	0.08	0.06	0.04		0.85	0.30	0.08	0.13	0.15			
PA3 Line A	0.1	A-31	S33	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01			
PA3 Line A	0.1	A-31	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05			
PA3 Line A	1.5	A-31	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.82	0.80	0.76	0.70	0.61	0.54		0.60	0.30	0.27	0.45	0.54			
PA3 Line A	0.2	A-31	S33	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06			
PA3 Line A	2.9	A-31	S33	B	Residential 8-10 dwellings/acre	56	36	76	1.99	1.95	1.90	1.81	1.67	1.54		0.40	0.30	0.35	0.58	0.70			
PA3 Line A	4.7	A-31	S33	C	Commercial, Industrial	69	50	86	4.28	4.25	4.21	4.14	3.98	3.78		0.10	0.25	0.14	0.24	0.28			
PA3 Line A	1.3	A-31	S33	C	Public Park	69	50	86	0.70	0.66	0.62	0.54	0.41	0.28		0.85	0.25	0.33	0.55	0.66			
PA3 Line A	0.9	A-31	S33	C	Residential 10+ dwellings/acre	69	50	86	0.77	0.77	0.76	0.74	0.70	0.65		0.20	0.25	0.05	0.09	0.11			
PA3 Line A	0.1	A-31	S33	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05			
PA3 Line A	3.8	A-31	S33	C	Residential 3-4 dwellings/acre	69	50	86	2.51	2.44	2.34	2.17	1.87	1.56		0.60	0.25	0.68	1.14	1.37			
PA3 Line A	4.4	A-31	S33	C	Residential 5-7 dwellings/acre	69	50	86	3.13	3.06	2.96	2.78	2.48	2.16		0.50	0.25	0.66	1.10	1.32			
PA3 Line A	0.7	A-31	S33	C	Residential 8-10 dwellings/acre	69	50	86	0.53	0.52	0.51	0.49	0.44	0.40		0.40	0.25	0.08	0.14	0.17			
PA3 Line A	5	A-31	S33	D	Commercial, Industrial	75	57	91	4.60	4.57	4.53	4.45	4.29	4.06		0.10	0.20	0.15	0.25	0.30			
PA3 Line A	0.1	A-31	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	10.3	A-31	S33	D	Residential 10+ dwellings/acre	75	57	91	9.06	8.98	8.86	8.63	8.20	7.63		0.20	0.20	0.62	1.03	1.24			
PA3 Line A	0.1	A-31	S33	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05			
PA3 Line A	1.3	A-31	S33	D	Residential 3-4 dwellings/acre	75	57	91	0.93	0.91	0.88	0.82	0.71	0.60		0.60	0.20	0.23	0.39	0.47			
PA3 Line A	3.9	A-31	S33	D	Residential 5-7 dwellings/acre	75	57	91	2.96	2.90	2.81	2.66	2.38	2.07		0.50	0.20	0.59	0.98	1.17			
PA3 Line A	2.3	A-31	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.84	1.81	1.76	1.69	1.55	1.38		0.40	0.20	0.28	0.46	0.55			
PA3 Line A	1.3	A-32	S33	B	Commercial, Industrial	56	36	76	1.16	1.15	1.14	1.12	1.08	1.03		0.10	0.30	0.04	0.07	0.08			
PA3 Line A	1.2	A-32	S33	B	Residential 2.5 acre lots	56	36	76	0.41	0.38	0.34	0.27	0.18	0.11		0.90	0.30	0.32	0.54	0.65			
PA3 Line A	0.1	A-32	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.05	0.05	0.05	0.05	0.04	0.04		0.80	0.30	0.02	0.03	0.04			
PA3 Line A	1.3	A-32	S33	C	Commercial, Industrial	69	50	86	1.18	1.18	1.17	1.14	1.10	1.04		0.10	0.25	0.04	0.07	0.08			
PA3 Line A	0.1	A-32	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
PA3 Line A	3	A-32	S33	C	Residential 2.5 acre lots	69	50	86	1.53	1.45	1.34	1.15	0.84	0.53		0.90	0.25	0.81	1.35	1.62			
PA3 Line A	2.5	A-32	S33	C	Residential 3-4 dwellings/acre	69	50	86	1.65	1.61	1.54	1.43	1.23	1.03		0.60	0.25	0.45	0.75	0.90			
PA3 Line A	0.8	A-32	S33	D	Commercial, Industrial	75	57	91	0.74	0.73	0.72	0.71	0.69	0.65		0.10	0.20	0.02	0.04	0.05			
PA3 Line A	1.3	A-32	S33	D	Residential 2.5 acre lots	75	57	91	0.77	0.74	0.70	0.62	0.47	0.32		0.90	0.20	0.35	0.59	0.70			
PA3 Line A	3.3	A-32	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.37	2.31	2.23	2.08	1.81	1.51		0.60	0.20	0.59	0.99	1.19			
PA3 Line A	1.5	OA-4	S33	C	Open Brush, Fair	77	59	92	0.88	0.84	0.79	0.28	0.14	0.03		1.00	0.25	0.45	0.75	0.90			
PA3 Line A	0.4	OA-4	S33	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.08	0.04	0.01		1.00	0.25	0.12	0.20	0.24			
PA3 Line A	4.9	OA-5	S33	C	Open Brush, Fair	77	59	92	2.88	2.75	2.57	0.92	0.45	0.10		1.00	0.25	1.47	2.45	2.94			
PA3 Line A	2.4	OA-5	S33	C	Woodland, Grass, Fair	77	59	92	1.41	1.35	1.26	0.45	0.22	0.05		1.00	0.25	0.72	1.20	1.44			
PA3 Line A	5.1	OA-6	S33	C	Open Brush, Fair	77	59	92	2.99	2.86	2.67	0.96	0.47	0.11		1.00	0.25	1.53	2.55	3.06			
PA3 Line A	4	OA-6	S33	C	Woodland, Grass, Fair	77	59	92	3.35	3.25	3.10	0.75	0.37	0.08		1.00	0.25	1.20	2.00	2.40			
PA3 Line A	0.3	OA-7	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.17	0.16	0.15	0.05	0.02	0.00		1.00	0.25	0.09	0.15	0.18			
PA3 Line A	5.7	OA-7	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	3.73	3.60	3.40	1.45	0.84	0.30		1.00	0.25	1.71	2.85	3.42			
PA3 Line A	3.4	OA-7	S33	C	Open Brush, Fair	77	59	92	2.00	1.91	1.78	0.64	0.32	0.07		1.00	0.25	1.02	1.70	2.04			
PA3 Line A	0.1	OA-7	S33	C	Woodland, Grass, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
PA3 Line A	2.1	OA-7	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	1.55	1.51	1.46	0.76	0.52	0.27		1.00	0.20	0.63	1.05	1.26			
PA3 Line A	1.6	OA-7	S33	D	Open Brush, Fair	83	67	96	1.10	1.07	1.01	0.47	0.29	0.13		1.00	0.20	0.48	0.80	0.96			
PA3 Line A	0.2	OA-7	S33	D	Woodland, Grass, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12			
PA3 Line A	1.6	OA-8	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.89	0.84	0.78	0.26	0.11	0.02		1.00	0.25	0.48	0.80	0.96			
PA3 Line A	1.6	OA-8	S33	C	Open Brush, Fair	77	59	92	0.94	0.90	0.84	0.30	0.15	0.03		1.00	0.25	0.48	0.80	0.96			
PA3 Line A	1.8	OA-8	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.18	1.14	1.07	0.46	0.26	0.10		1.00	0.20	0.54	0.90	1.08			
PA3 Line A	1.5	OA-8	S33	D	Open Brush, Fair	83	67	96	1.03	1.00	0.95	0.44	0.27	0.12		1.00	0.20	0.45	0.75	0.90			
PA3 Line A	1.9	OA-9	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.05	1.00	0.93	0.30	0.13	0.02									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13308 (Node 133c)

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	Storm Event (Year)													
						100	50	25	10	5	2	100	EV						HC							
						AMC			P ₂₄ (Inches)																	
						II	I	III	AMCI/AMCII						5.63											
PA3 Line A	4.5	OA-9	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.94	2.84	2.68	1.14	0.66	0.24		1.00	0.20	1.35	2.25	2.70						
PA3 Line A	1.3	OA-9	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	0.96	0.94	0.90	0.47	0.32	0.17		1.00	0.20	0.39	0.65	0.78						
PA3 Line A	3.7	OA-9	S33	D	Open Brush, Fair	83	67	96	2.55	2.47	2.35	1.09	0.67	0.29		1.00	0.20	1.11	1.85	2.22						
PA3 Line A	1.6	A-33	S33	B	Fallow	86	72	97	1.18	1.15	1.11	0.58	0.39	0.21		1.00	0.30	0.48	0.80	0.96						
PA3 Line A	1.3	A-33	S33	B	Open Brush, Fair	66	46	84	0.54	0.50	0.45	0.07	0.01	0.00		1.00	0.30	0.39	0.65	0.78						
PA3 Line A	2.6	A-33	S33	B	Residential 2.5 acre lots	56	36	76	0.89	0.82	0.73	0.59	0.39	0.25		0.90	0.30	0.70	1.17	1.40						
PA3 Line A	1.9	A-33	S33	B	Woodland, Grass, Fair	65	45	83	0.76	0.71	0.63	0.09	0.01	0.00		1.00	0.30	0.57	0.95	1.14						
PA3 Line A	0.7	A-33	S33	C	Fallow	91	80	98	0.58	0.57	0.56	0.36	0.28	0.18		1.00	0.25	0.21	0.35	0.42						
PA3 Line A	0.8	A-33	S33	C	Open Brush, Fair	77	59	92	0.47	0.45	0.42	0.15	0.07	0.02		1.00	0.25	0.24	0.40	0.48						
PA3 Line A	0.1	A-33	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05						
PA3 Line A	1.5	A-33	S33	C	Residential 2.5 acre lots	69	50	86	0.77	0.73	0.67	0.58	0.42	0.26		0.90	0.25	0.41	0.68	0.81						
PA3 Line A	0.4	A-33	S33	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.08	0.04	0.01		1.00	0.25	0.12	0.20	0.24						
PA3 Line A	0.1	A-33	S33	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06						
PA3 Line A	0.3	A-33	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16						
61055.8						Low Loss Fraction (1-Y) =								0.392	0.414	0.448	0.734	0.826	0.905	1.000	F _m =		0.285	0.474	0.569	0.000

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13500 to 13700 (Node 134t)

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	100														
						AMC			P ₂₄ (Inches)																	
						II	I	III				AMC 1/AMCII			5.63											
	9.8		S35	B	Chaparral, Broadleaf, Fair	63	43	81	2.61	2.34	2.00	0.03	0.00	0.00		1.00	0.30	2.94	4.90	5.88						
	33.69		S35	C	Chaparral, Broadleaf, Fair	75	57	91	15.33	14.37	13.10	2.84	0.73	0.00		1.00	0.25	10.11	16.85	20.21						
	24.62		S35	B	Commercial, Industrial, Industrial	56	36	76	21.43	21.27	21.05	20.65	19.83	18.78		0.10	0.30	0.74	1.23	1.48						
	0.84		S35	C	Commercial, Industrial, Industrial	69	50	86	0.75	0.74	0.73	0.72	0.69	0.64		0.10	0.25	0.03	0.04	0.05						
	16.79		S35	D	Commercial, Industrial, Industrial	75	57	91	15.08	14.96	14.80	14.50	13.85	12.97		0.10	0.20	0.50	0.84	1.01						
	77.1		S35	B	Fallow	86	72	97	51.41	49.69	47.32	20.52	12.10	4.80		1.00	0.30	23.13	38.55	46.26						
	63.31		S35	C	Fallow	91	80	98	49.19	48.13	46.66	26.33	18.77	11.00		1.00	0.25	18.99	31.66	37.99						
	17.06		S35	D	Fallow	94	85	99	14.46	14.25	13.96	9.17	7.21	4.98		1.00	0.20	5.12	8.53	10.24						
	59.76		S35	B	Grass, Annual or Perennial, Fair	69	50	86	21.24	19.51	17.27	1.83	0.03	0.00		1.00	0.30	17.93	29.88	35.86						
	1.62		S35	C	Grass, Annual or Perennial, Fair	79	62	93	0.85	0.81	0.75	0.22	0.08	0.01		1.00	0.25	0.49	0.81	0.97						
	114.17		S35	D	Grass, Annual or Perennial, Fair	84	69	96	71.39	68.64	64.89	25.18	13.53	4.21		1.00	0.20	34.25	57.09	68.50						
	1.11		S35	C	Meadows or Cienegas, Fair	80	63	94	0.61	0.58	0.54	0.16	0.07	0.01		1.00	0.25	0.33	0.56	0.67						
	126.02		S35	B	Open Brush, Fair	66	46	84	39.01	35.43	30.82	1.66	0.00	0.00		1.00	0.30	37.81	63.01	75.61						
	424.56		S35	C	Open Brush, Fair	77	59	92	208.26	196.43	180.62	45.60	15.00	0.20		1.00	0.25	127.37	212.28	254.74						
	54.86		S35	D	Open Brush, Fair	83	67	96	33.19	31.83	29.98	11.01	5.63	1.51		1.00	0.20	16.46	27.43	32.92						
	16.14		S35	B	Residential 5-7 dwellings/acre	56	36	76	9.07	8.83	8.54	8.06	7.34	6.84		0.50	0.30	2.42	4.04	4.84						
	30.91		S35	D	Residential 5-7 dwellings/acre	75	57	91	21.67	21.16	20.48	19.27	17.02	14.65		0.50	0.20	4.64	7.73	9.27						
	362.85		S35	B	Row Crops, Poor	81	64	95	205.22	195.76	182.94	59.51	26.96	4.68		1.00	0.30	108.86	181.43	217.71						
	119.83		S35	C	Row Crops, Poor	88	75	98	85.05	82.62	79.24	38.35	24.57	11.72		1.00	0.25	35.95	59.92	71.90						
	8.4		S35	D	Row Crops, Poor	91	80	98	6.53	6.39	6.19	3.49	2.49	1.46		1.00	0.20	2.52	4.20	5.04						
	0.05		S35	B	School	56	36	76	0.02	0.02	0.02	0.02	0.02	0.02		0.60	0.30	0.01	0.02	0.02						
	1.64		S35	D	School	75	57	91	1.07	1.04	1.00	0.92	0.79	0.65		0.60	0.20	0.30	0.49	0.59						
	4.84		S35	B	Woodland, Grass, Fair	65	45	83	1.43	1.29	1.12	0.04	0.00	0.00		1.00	0.30	1.45	2.42	2.90						
	9.84		S35	C	Woodland, Grass, Fair	77	59	92	4.83	4.55	4.19	1.06	0.35	0.00		1.00	0.25	2.95	4.92	5.90						
	1579.8					Low Loss Fraction (1-Y) =								0.443	0.468	0.501	0.803	0.882	0.937	1.000		F _m =	0.288	0.480	0.576	0.000

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13500 to 13700 (Node 134t)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														
	9.8		S35	B	Chaparral, Broadleaf, Fair	63	43	81	2.61	2.34	2.00	0.03	0.00	0.00	1.00	0.30	2.94	4.90	5.88				
	33.69		S35	C	Chaparral, Broadleaf, Fair	75	57	91	15.33	14.37	13.10	2.84	0.73	0.00	1.00	0.25	10.11	16.85	20.21				
	24.62		S35	B	Commercial, Industrial, Industrial	56	36	76	21.43	21.27	21.05	20.65	19.83	18.78	0.10	0.30	0.74	1.23	1.48				
	0.8		S35	C	Commercial, Industrial, Industrial	69	50	86	0.71	0.71	0.70	0.68	0.65	0.61	0.10	0.25	0.02	0.04	0.05				
	16.79		S35	D	Commercial, Industrial, Industrial	75	57	91	15.08	14.96	14.80	14.50	13.85	12.97	0.10	0.20	0.50	0.84	1.01				
	77.1		S35	B	Fallow	86	72	97	51.41	49.69	47.32	20.52	12.10	4.80	1.00	0.30	23.13	38.55	46.26				
	63.31		S35	C	Fallow	91	80	98	49.19	48.13	46.66	26.33	18.77	11.00	1.00	0.25	18.99	31.66	37.99				
	17.06		S35	D	Fallow	94	85	99	14.46	14.25	13.96	9.17	7.21	4.98	1.00	0.20	5.12	8.53	10.24				
	59.76		S35	B	Grass, Annual or Perennial, Fair	69	50	86	21.24	19.51	17.27	1.83	0.03	0.00	1.00	0.30	17.93	29.88	35.86				
	1.6		S35	C	Grass, Annual or Perennial, Fair	79	62	93	0.84	0.80	0.74	0.21	0.08	0.01	1.00	0.25	0.48	0.80	0.96				
	114.17		S35	D	Grass, Annual or Perennial, Fair	84	69	96	71.39	68.64	64.89	25.18	13.53	4.21	1.00	0.20	34.25	57.09	68.50				
	1.1		S35	C	Meadows or Cienegas, Fair	80	63	94	0.60	0.57	0.53	0.16	0.07	0.01	1.00	0.25	0.33	0.55	0.66				
	126		S35	B	Open Brush, Fair	66	46	84	39.01	35.43	30.81	1.66	0.00	0.00	1.00	0.30	37.80	63.00	75.60				
	424.56		S35	C	Open Brush, Fair	77	59	92	208.26	196.43	180.62	45.60	15.00	0.20	1.00	0.25	127.37	212.28	254.74				
	54.86		S35	D	Open Brush, Fair	83	67	96	33.19	31.83	29.98	11.01	5.63	1.51	1.00	0.20	16.46	27.43	32.92				
	16.14		S35	B	Residential 5-7 dwellings/acre	56	36	76	9.07	8.83	8.54	8.06	7.34	6.84	0.50	0.30	2.42	4.04	4.84				
	30.91		S35	D	Residential 5-7 dwellings/acre	75	57	91	21.67	21.16	20.48	19.27	17.02	14.65	0.50	0.20	4.64	7.73	9.27				
	362.85		S35	B	Row Crops, Poor	81	64	95	205.22	195.76	182.94	59.51	26.96	4.68	1.00	0.30	108.86	181.43	217.71				
	119.83		S35	C	Row Crops, Poor	88	75	98	85.05	82.62	79.24	38.35	24.57	11.72	1.00	0.25	35.95	59.92	71.90				
	8.4		S35	D	Row Crops, Poor	91	80	98	6.53	6.39	6.19	3.49	2.49	1.46	1.00	0.20	2.52	4.20	5.04				
	0.05		S35	B	School	56	36	76	0.02	0.02	0.02	0.02	0.02	0.02	0.60	0.30	0.01	0.02	0.02				
	1.64		S35	D	School	75	57	91	1.07	1.04	1.00	0.92	0.79	0.65	0.60	0.20	0.30	0.49	0.59				
	4.84		S35	B	Woodland, Grass, Fair	65	45	83	1.43	1.29	1.12	0.04	0.00	0.00	1.00	0.30	1.45	2.42	2.90				
	9.84		S35	C	Woodland, Grass, Fair	77	59	92	4.83	4.55	4.19	1.06	0.35	0.00	1.00	0.25	2.95	4.92	5.90				
	3.46	HZ-201	S36	C	Chaparral, Broadleaf, Fair	75	57	91	1.57	1.48	1.35	0.29	0.07	0.00	1.00	0.25	1.04	1.73	2.08				
	47.86	HZ-201	S36	B	Fallow	86	72	97	31.92	30.85	29.37	12.74	7.51	2.98	1.00	0.30	14.36	23.93	28.72				
	20.03	HZ-201	S36	C	Fallow	91	80	98	15.56	15.23	14.76	8.33	5.94	3.48	1.00	0.25	6.01	10.01	12.02				
	12.53	HZ-201	S36	D	Fallow	94	85	99	10.62	10.46	10.25	6.73	5.29	3.66	1.00	0.20	3.76	6.26	7.52				
	3.57	HZ-201	S36	C	Grass, Annual or Perennial, Fair	79	62	93	1.88	1.79	1.66	0.48	0.19	0.02	1.00	0.25	1.07	1.79	2.14				
	0.01	HZ-201	S36	D	Meadows or Cienegas, Fair	84	69	96	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.20	0.00	0.00	0.00				
	3.11	HZ-201	S36	B	Open Brush, Fair	66	46	84	0.96	0.87	0.76	0.04	0.00	0.00	1.00	0.30	0.93	1.56	1.87				
	42.80	HZ-201	S36	C	Open Brush, Fair	77	59	92	21.00	19.80	18.21	4.60	1.51	0.02	1.00	0.25	12.84	21.40	25.68				
	0.10	HZ-201	S36	B	Woodland, Grass, Fair	65	45	83	0.03	0.03	0.02	0.00	0.00	0.00	1.00	0.30	0.03	0.05	0.06				
	0.53	HZ-201	S36	C	Woodland, Grass, Fair	77	59	92	0.26	0.25	0.23	0.06	0.02	0.00	1.00	0.25	0.16	0.27	0.32				
	0.02	HZ-201	S36	D	Woodland, Grass, Fair	82	66	95	0.01	0.01	0.01	0.00	0.00	0.00	1.00	0.20	0.01	0.01	0.01				
	1.11	HZ-202	S36	B	Fallow	86	72	97	0.74	0.71	0.68	0.29	0.17	0.07	1.00	0.30	0.33	0.55	0.66				
	0.44	HZ-202	S36	D	Fallow	94	85	99	0.37	0.36	0.36	0.23	0.18	0.13	1.00	0.20	0.13	0.22	0.26				
	1.49	HZ-202	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.53	0.49	0.43	0.05	0.00	0.00	1.00	0.30	0.45	0.74	0.89				
	1.70	HZ-202	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.06	1.02	0.97	0.37	0.20	0.06	1.00	0.20	0.51	0.85	1.02				
	1.09	HZ-202	S36	B	Open Brush, Fair	66	46	84	0.34	0.31	0.27	0.01	0.00	0.00	1.00	0.30	0.33	0.54	0.65				
	18.57	HZ-202	S36	D	Open Brush, Fair	83	67	96	11.24	10.77	10.15	3.73	1.90	0.51	1.00	0.20	5.57	9.28	11.14				
	12.39	HZ-202	S36	B	Orchards, Evergreen, Fair	65	45	83	3.66	3.31	2.86	0.11	0.00	0.00	1.00	0.30	3.72	6.20	7.44				
	2.30	HZ-202	S36	D	Orchards, Evergreen, Fair	82	66	95	1.35	1.29	1.21	0.42	0.20	0.04	1.00	0.20	0.69	1.15	1.38				
	5.19	HZ-202	S36	B	Row Crops, Poor	81	64	95	2.93	2.80	2.61	0.85	0.39	0.07	1.00	0.30	1.56	2.59	3.11				
	28.71	HZ-202	S36	D	Row Crops, Poor	91	80	98	22.30	21.83	21.16	11.94	8.51	4.99	1.00	0.20	8.61	14.35	17.23				
	0.17	HZ-202	S36	D	Woodland, Grass, Fair	82	66	95	0.10	0.09	0.09	0.03	0.01	0.00	1.00	0.20	0.05	0.08	0.10				
	5.29	HZ-203	S36	B	Grass, Annual or Perennial, Fair	69	50	86	1.88	1.73	1.53	0.16	0.00	0.00	1.00	0.30	1.59	2.64	3.17				
	31.25	HZ-203	S36	D	Grass, Annual or Perennial, Fair	84	69	96	19.54	18.79	17.76	6.89	3.70	1.15	1.00	0.20	9.37	15.62	18.75				
	0.22	HZ-203	S36	B	Open Brush, Fair	66	46	84	0.07	0.06	0.05	0.00	0.00	0.00	1.00	0.30	0.07	0.11	0.13				
	6.26	HZ-203	S36	D	Open Brush, Fair	83	67	96	3.79	3.63	3.42	1.26	0.64	0.17	1.00	0.20	1.88	3.13	3.76				
	0.06	HZ-203	S36	B	Orchards, Evergreen, Fair	65	45	83	0.02	0.02	0.01	0.00	0.00	0.00	1.00	0.30	0.02	0.03	0.04				
	0.22	HZ-203	S36	D	Orchards, Evergreen, Fair	82	66	95	0.13	0.12	0.12	0.04	0.02	0.00	1.00	0.20	0.07	0.11	0.13				
	2.47	HZ-203	S36	B	Public Park	56	36	76	0.72	0.67	0.60	0.50	0.37	0.31	0.85	0.30	0.63	1.05	1.26				
	3.06	HZ-203	S36	D	Public Park	75	57	91	1.62	1.54	1.44	1.27	0.95	0.65	0.85	0.20	0.78	1.30	1.56				
	17.76	HZ-203	S36	B	Residential 5-7 dwellings/acre	56	36	76	9.98	9.72	9.39	8.87	8.08	7.53	0.50	0.30	2.66	4.44	5.33				
	7.31	HZ-203	S36	D	Residential 5-7 dwellings/acre	75	57	91	5.13	5.01	4.85	4.56	4.03	3.47	0.50	0.20	1.10	1.83	2.19				
	0.34	HZ-203	S36	B	Row Crops, Poor	81	64	95	0.19	0.18	0.17	0.06	0.03	0.00	1.00	0.30	0.10	0.17	0.20				
	8.22	HZ-203	S36	D	Row Crops, Poor	91	80	98	6.38	6.25	6.06	3.42	2.44	1.43	1.00	0.20	2.46	4.11	4.93				
	0.53	HZ-203	S36	D	Woodland, Grass, Fair	82	66	95	0.31	0.30	0.28	0.10	0.05	0.01	1.00	0.20	0.16	0.27	0.32				
	2.57	HZ-204	S36	B	Fallow	86	72	97	1.71	1.65	1.57	0.68	0.40	0.16	1.00	0.30	0.77	1.28	1.54				
	1.97	HZ-204	S36	D	Fallow	94	85	99	1.67	1.64	1.61	1.06	0.83	0.57	1.00	0.20	0.59	0.98	1.18				
	1.00	HZ-204	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.36	0.33	0.29	0.03	0.00	0.00	1.00	0.30	0.30	0.50	0.60				
	2.98	HZ-204	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.86	1.79	1.69	0.66	0.35	0.11	1.00	0.20	0.89	1.49	1.79				
	2.39	HZ-204	S36	B	Open Brush, Fair	66	46	84	0.74	0.67	0.58	0.03	0.00	0.00	1.00	0.30	0.72	1.20	1.43				
	1.67	HZ-204	S36	C	Open Brush, Fair	77	59	92	0.82	0.77	0.71	0.18	0.06	0.00									

RANCHO MISSION VIEJO																									
PA-3&4 (Ultimate Conditions)																									
Unit Hydrograph Method Loss Rate Parameter Development - Node 13500 to 13700 (Node 134t)																									
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													5.63	EV				All
							100	50	25	10	5	2	5	2	1	0.5									
							P ₂₄ (Inches)																		
							AMC																		
II	I	III	AMC 1/AMCII																						
	20.24	HZ-204	S36	B	Row Crops, Poor	81	64	95	11.45	10.92	10.20	3.32	1.50	0.26	1.00	0.30	6.07	10.12	12.14						
	7.08	HZ-204	S36	C	Row Crops, Poor	88	75	98	5.03	4.88	4.68	2.27	1.45	0.69	1.00	0.25	2.12	3.54	4.25						
	6.74	HZ-204	S36	D	Row Crops, Poor	91	80	98	5.24	5.13	4.97	2.80	2.00	1.17	1.00	0.20	2.02	3.37	4.05						
	0.02	HZ-204	S36	C	Woodland, Grass, Fair	77	59	92	0.01	0.01	0.01	0.00	0.00	0.00	1.00	0.25	0.01	0.01	0.01						
	0.93	HZ-204	S36	D	Woodland, Grass, Fair	82	66	95	0.54	0.52	0.49	0.17	0.08	0.02	1.00	0.20	0.28	0.46	0.56						
	2.55	HZ-205	S36	B	Fallow	86	72	97	1.70	1.64	1.56	0.68	0.40	0.16	1.00	0.30	0.76	1.27	1.53						
	0.01	HZ-205	S36	C	Fallow	91	80	98	0.01	0.01	0.01	0.00	0.00	0.00	1.00	0.25	0.00	0.01	0.01						
	1.35	HZ-205	S36	D	Fallow	94	85	99	1.15	1.13	1.11	0.73	0.57	0.40	1.00	0.20	0.41	0.68	0.81						
	0.44	HZ-205	S36	A	Grass, Annual or Perennial, Fair	50	31	70	0.05	0.04	0.03	0.00	0.00	0.00	1.00	0.40	0.13	0.22	0.27						
	0.67	HZ-205	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.42	0.40	0.38	0.15	0.08	0.02	1.00	0.20	0.20	0.33	0.40						
	1.06	HZ-205	S36	A	Open Brush, Fair	46	28	66	0.08	0.06	0.04	0.00	0.00	0.00	1.00	0.40	0.32	0.53	0.63						
	2.16	HZ-205	S36	B	Open Brush, Fair	66	46	84	0.67	0.61	0.53	0.03	0.00	0.00	1.00	0.30	0.65	1.08	1.30						
	2.45	HZ-205	S36	C	Open Brush, Fair	77	59	92	1.20	1.13	1.04	0.26	0.09	0.00	1.00	0.25	0.73	1.22	1.47						
	6.15	HZ-205	S36	D	Open Brush, Fair	83	67	96	3.72	3.57	3.36	1.23	0.63	0.17	1.00	0.20	1.84	3.07	3.69						
	1.34	HZ-205	S36	A	Row Crops, Poor	72	53	89	0.54	0.50	0.45	0.07	0.01	0.00	1.00	0.40	0.40	0.67	0.80						
	18.46	HZ-205	S36	B	Row Crops, Poor	81	64	95	10.44	9.96	9.31	3.03	1.37	0.24	1.00	0.30	5.54	9.23	11.07						
	4.13	HZ-205	S36	C	Row Crops, Poor	88	75	98	2.93	2.85	2.73	1.32	0.85	0.40	1.00	0.25	1.24	2.07	2.48						
	8.69	HZ-205	S36	D	Row Crops, Poor	91	80	98	6.75	6.61	6.40	3.61	2.58	1.51	1.00	0.20	2.61	4.34	5.21						
	0.73	HZ-205	S36	A	Woodland, Grass, Fair	44	26	64	0.04	0.03	0.02	0.00	0.00	0.00	1.00	0.40	0.22	0.36	0.44						
	0.41	HZ-205	S36	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.09	0.00	0.00	0.00	1.00	0.30	0.12	0.21	0.25						
	1.37	HZ-205	S36	C	Woodland, Grass, Fair	77	59	92	0.67	0.63	0.58	0.15	0.05	0.00	1.00	0.25	0.41	0.68	0.82						
	3.11	HZ-205	S36	D	Woodland, Grass, Fair	82	66	95	1.82	1.74	1.63	0.57	0.27	0.06	1.00	0.20	0.93	1.55	1.87						
	3.39	S36-00.5	S36	D	Open Brush, Fair	83	67	96	2.05	1.97	1.85	0.68	0.35	0.09	1.00	0.20	1.02	1.70	2.04						
	0.00	S36-01	S36	B	Open Brush, Fair	66	46	84	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.30	0.00	0.00	0.00						
	7.45	S36-01	S36	D	Open Brush, Fair	83	67	96	4.51	4.32	4.07	1.49	0.76	0.20	1.00	0.20	2.23	3.72	4.47						
	0.32	S36-02	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.20	0.19	0.18	0.07	0.04	0.01	1.00	0.20	0.10	0.16	0.19						
	4.70	S36-02	S36	B	Open Brush, Fair	66	46	84	1.46	1.32	1.15	0.06	0.00	0.00	1.00	0.30	1.41	2.35	2.82						
	25.05	S36-02	S36	D	Open Brush, Fair	83	67	96	15.16	14.54	13.69	5.03	2.57	0.69	1.00	0.20	7.51	12.52	15.03						
	0.45	S36-02	S36	B	Woodland, Grass, Fair	65	45	83	0.13	0.12	0.10	0.00	0.00	0.00	1.00	0.30	0.13	0.22	0.27						
	0.44	S36-02	S36	D	Woodland, Grass, Fair	82	66	95	0.26	0.25	0.23	0.08	0.04	0.01	1.00	0.20	0.13	0.22	0.27						
	7.03	S36-03	S36	B	Fallow	86	72	97	4.69	4.53	4.31	1.87	1.10	0.44	1.00	0.30	2.11	3.51	4.22						
	2.51	S36-03	S36	D	Fallow	94	85	99	2.13	2.10	2.05	1.35	1.06	0.73	1.00	0.20	0.75	1.25	1.51						
	1.52	S36-03	S36	B	Open Brush, Fair	66	46	84	0.47	0.43	0.37	0.02	0.00	0.00	1.00	0.30	0.46	0.76	0.91						
	12.30	S36-03	S36	D	Open Brush, Fair	83	67	96	7.44	7.14	6.72	2.47	1.26	0.34	1.00	0.20	3.69	6.15	7.38						
	10.22	S36-04	S36	B	Fallow	86	72	97	6.82	6.59	6.27	2.72	1.60	0.64	1.00	0.30	3.07	5.11	6.13						
	4.19	S36-04	S36	D	Fallow	94	85	99	3.55	3.50	3.43	2.25	1.77	1.22	1.00	0.20	1.26	2.09	2.51						
	0.07	S36-04	S36	B	Meadows or Cienegas, Fair	70	51	87	0.03	0.02	0.02	0.00	0.00	0.00	1.00	0.30	0.02	0.04	0.04						
	1.11	S36-04	S36	B	Open Brush, Fair	66	46	84	0.34	0.31	0.27	0.01	0.00	0.00	1.00	0.30	0.33	0.55	0.66						
	5.56	S36-04	S36	D	Open Brush, Fair	83	67	96	3.37	3.23	3.04	1.12	0.57	0.15	1.00	0.20	1.67	2.78	3.34						
	0.09	S36-04	S36	D	Woodland, Grass, Fair	82	66	95	0.05	0.05	0.05	0.02	0.01	0.00	1.00	0.20	0.03	0.05	0.06						
	17.68	S36-04.5	S36	B	Fallow	86	72	97	11.79	11.40	10.85	4.71	2.78	1.10	1.00	0.30	5.31	8.84	10.61						
	2.36	S36-04.5	S36	D	Fallow	94	85	99	2.00	1.97	1.93	1.27	1.00	0.69	1.00	0.20	0.71	1.18	1.41						
	0.60	S36-04.5	S36	B	Meadows or Cienegas, Fair	70	51	87	0.22	0.20	0.18	0.02	0.00	0.00	1.00	0.30	0.18	0.30	0.36						
	0.22	S36-04.5	S36	D	Meadows or Cienegas, Fair	84	69	96	0.14	0.13	0.12	0.05	0.03	0.01	1.00	0.20	0.07	0.11	0.13						
	2.22	S36-04.5	S36	B	Open Brush, Fair	66	46	84	0.69	0.62	0.54	0.03	0.00	0.00	1.00	0.30	0.67	1.11	1.33						
	3.42	S36-04.5	S36	D	Open Brush, Fair	83	67	96	2.07	1.99	1.87	0.69	0.35	0.09	1.00	0.20	1.03	1.71	2.05						
	1.44	S36-04.5	S36	B	Woodland, Grass, Fair	65	45	83	0.42	0.38	0.33	0.01	0.00	0.00	1.00	0.30	0.43	0.72	0.86						
	0.01	S36-04.5	S36	D	Woodland, Grass, Fair	82	66	95	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.20	0.00	0.00	0.00						
	5.39	S36-21	S36	D	Chaparral, Broadleaf, Fair	81	64	95	3.05	2.91	2.72	0.88	0.40	0.07	1.00	0.20	1.62	2.69	3.23						
	16.30	S36-21	S36	B	Fallow	86	72	97	10.87	10.51	10.01	4.34	2.56	1.02	1.00	0.30	4.89	8.15	9.78						
	4.08	S36-21	S36	C	Fallow	91	80	98	3.17	3.10	3.01	1.70	1.21	0.71	1.00	0.25	1.22	2.04	2.45						
	12.36	S36-21	S36	D	Fallow	94	85	99	10.48	10.33	10.12	6.64	5.22	3.61	1.00	0.20	3.71	6.18	7.42						
	11.23	S36-21	S36	B	Open Brush, Fair	66	46	84	3.48	3.16	2.75	0.15	0.00	0.00	1.00	0.30	3.37	5.61	6.74						
	5.16	S36-21	S36	C	Open Brush, Fair	77	59	92	2.53	2.39	2.19	0.55	0.18	0.00	1.00	0.25	1.55	2.58	3.09						
	53.93	S36-21	S36	D	Open Brush, Fair	83	67	96	32.63	31.29	29.47	10.83	5.53	1.48	1.00	0.20	16.18	26.97	32.36						
	0.44	S36-21	S36	B	Woodland, Grass, Fair	65	45	83	0.13	0.12	0.10	0.00	0.00	0.00	1.00	0.30	0.13	0.22	0.27						
	3.98	S36-21	S36	D	Woodland, Grass, Fair	82	66	95	2.33	2.23	2.09	0.72	0.35	0.08	1.00	0.20	1.19	1.99	2.39						
	0.96	S36-41	S36	C	Chaparral, Broadleaf, Fair	75	57	91	0.44	0.41	0.37	0.08	0.02	0.00	1.00	0.25	0.29	0.48	0.58						
	0.01	S36-41	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.20	0.00	0.00	0.00						
	1.56	S36-41	S36	B	Chaparral, Narrowleaf, Fair	72	53	89	0.63	0.58	0.52	0.08	0.01	0.00	1.00	0.30	0.47	0.78	0.93						
	10.45	S36-41	S36	D	Chaparral, Narrowleaf, Fair	86	72	97	6.97	6.74	6.41	2.78	1.64	0.65	1.00	0.20	3.14	5.23	6.27						
	44.94	S36-41	S36	B	Fallow	86	72	97	29.97	28.96	27.58	11.96	7.05	2.80	1.00	0.30	13.48	22.47	26.96						
	9.66	S36-41	S36	C	Fallow	91	80	98	7.50	7.34	7.12	4.02	2.86	1.68	1.00	0.25	2.90	4.83	5.80						
	16.49	S36-41	S36	D	Fallow	94	85	99	13.98	13.78	13.50	8.86	6.97	4.81	1.00	0.20	4.95	8.25	9.90						
	20.39	S36-41	S36	D	Grass, Annual or Perennial, Fair	84	69	96	12.75	12.26	11.59	4.50	2.42	0.75	1.00	0.20	6.12	10.19	12.23						
	7.02	S36-41	S36	B	Open Brush, Fair	66	46	84	2.17	1.97															

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13500 to 13700 (Node 134t)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															

	6.25	S36-41	S36	D	Woodland, Grass, Fair	82	66	95	3.66	3.50	3.28	1.14	0.55	0.12		1.00	0.20	1.87	3.12	3.75	
	0.67	S36-42	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.18	0.16	0.14	0.00	0.00	0.00		1.00	0.30	0.20	0.33	0.40	
	24.24	S36-42	S36	C	Chaparral, Broadleaf, Fair	75	57	91	11.03	10.34	9.43	2.04	0.53	0.00		1.00	0.25	7.27	12.12	14.55	
	1.34	S36-42	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.76	0.72	0.67	0.22	0.10	0.02		1.00	0.20	0.40	0.67	0.80	
	0.00	S36-42	S36	C	Commercial, Industrial	69	50	86	0.00	0.00	0.00	0.00	0.00	0.00		0.10	0.25	0.00	0.00	0.00	
	74.98	S36-42	S36	B	Fallow	86	72	97	49.99	48.32	46.01	19.96	11.77	4.67		1.00	0.30	22.49	37.49	44.99	
	101.12	S36-42	S36	C	Fallow	91	80	98	78.56	76.88	74.52	42.05	29.98	17.57		1.00	0.25	30.34	50.56	60.67	
	16.90	S36-42	S36	D	Fallow	94	85	99	14.32	14.12	13.83	9.08	7.14	4.93		1.00	0.20	5.07	8.45	10.14	
	9.95	S36-42	S36	C	Grass, Annual or Perennial, Fair	79	62	93	5.25	4.98	4.62	1.33	0.52	0.04		1.00	0.25	2.99	4.98	5.97	
	10.02	S36-42	S36	D	Grass, Annual or Perennial, Fair	84	69	96	6.27	6.03	5.70	2.21	1.19	0.37		1.00	0.20	3.01	5.01	6.01	
	4.45	S36-42	S36	B	Open Brush, Fair	66	46	84	1.38	1.25	1.09	0.06	0.00	0.00		1.00	0.30	1.33	2.22	2.67	
	179.37	S36-42	S36	C	Open Brush, Fair	77	59	92	87.99	82.99	76.31	19.27	6.34	0.08		1.00	0.25	53.81	89.68	107.62	
	11.47	S36-42	S36	D	Open Brush, Fair	83	67	96	6.94	6.65	6.27	2.30	1.18	0.32		1.00	0.20	3.44	5.73	6.88	
	0.17	S36-42	S36	C	Public Park	69	50	86	0.07	0.07	0.06	0.06	0.04	0.03		0.85	0.25	0.04	0.07	0.09	
	0.03	S36-42	S36	D	Public Park	75	57	91	0.02	0.02	0.02	0.01	0.01	0.01		0.85	0.20	0.01	0.01	0.02	
	5.14	S36-42	S36	B	Woodland, Grass, Fair	65	45	83	1.52	1.37	1.19	0.05	0.00	0.00		1.00	0.30	1.54	2.57	3.08	
	11.22	S36-42	S36	C	Woodland, Grass, Fair	77	59	92	5.50	5.19	4.77	1.20	0.40	0.01		1.00	0.25	3.37	5.61	6.73	
	0.33	S36-42	S36	D	Woodland, Grass, Fair	82	66	95	0.19	0.18	0.17	0.06	0.03	0.01		1.00	0.20	0.10	0.16	0.20	
	0.22	S36-43	S36	B	Barren	86	72	97	0.15	0.14	0.14	0.06	0.03	0.01		1.00	0.30	0.07	0.11	0.13	
	2.17	S36-43	S36	C	Barren	91	80	98	1.69	1.65	1.60	0.90	0.64	0.38		1.00	0.25	0.65	1.09	1.30	
	9.19	S36-43	S36	C	Chaparral, Broadleaf, Fair	75	57	91	4.18	3.92	3.57	0.77	0.20	0.00		1.00	0.25	2.76	4.59	5.51	
	67.57	S36-43	S36	B	Fallow	86	72	97	45.06	43.55	41.47	17.98	10.61	4.21		1.00	0.30	20.27	33.78	40.54	
	35.19	S36-43	S36	C	Fallow	91	80	98	27.34	26.75	25.93	14.63	10.43	6.11		1.00	0.25	10.56	17.59	21.11	
	30.67	S36-43	S36	D	Fallow	94	85	99	26.00	25.63	25.10	16.48	12.96	8.95		1.00	0.20	9.20	15.34	18.40	
	0.89	S36-43	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.32	0.29	0.26	0.03	0.00	0.00		1.00	0.30	0.27	0.45	0.54	
	20.64	S36-43	S36	C	Grass, Annual or Perennial, Fair	79	62	93	10.89	10.33	9.58	2.75	1.08	0.09		1.00	0.25	6.19	10.32	12.39	
	2.69	S36-43	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.68	1.62	1.53	0.59	0.32	0.10		1.00	0.20	0.81	1.35	1.62	
	8.45	S36-43	S36	B	Open Brush, Fair	66	46	84	2.62	2.38	2.07	0.11	0.00	0.00		1.00	0.30	2.54	4.23	5.07	
	96.93	S36-43	S36	C	Open Brush, Fair	77	59	92	47.55	44.85	41.24	10.41	3.42	0.05		1.00	0.25	29.08	48.46	58.16	
	13.19	S36-43	S36	D	Open Brush, Fair	83	67	96	7.98	7.66	7.21	2.65	1.35	0.36		1.00	0.20	3.96	6.60	7.92	
	42.53	S36-43	S36	B	Row Crops, Poor	81	64	95	24.06	22.95	21.45	6.98	3.16	0.55		1.00	0.30	12.76	21.27	25.52	
	16.96	S36-43	S36	C	Row Crops, Poor	88	75	98	12.04	11.69	11.21	5.43	3.48	1.66		1.00	0.25	5.09	8.48	10.17	
	80.60	S36-43	S36	D	Row Crops, Poor	91	80	98	62.62	61.28	59.40	33.52	23.90	14.00		1.00	0.20	24.18	40.30	48.36	
	1.56	S36-43	S36	B	Woodland, Grass, Fair	65	45	83	0.46	0.42	0.36	0.01	0.00	0.00		1.00	0.30	0.47	0.78	0.93	
	2.00	S36-43	S36	C	Woodland, Grass, Fair	77	59	92	0.98	0.93	0.85	0.22	0.07	0.00		1.00	0.25	0.60	1.00	1.20	
	3.11	S36-43	S36	D	Woodland, Grass, Fair	82	66	95	1.82	1.74	1.63	0.57	0.27	0.06		1.00	0.20	0.93	1.56	1.87	
	0.89	S36-61	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.24	0.21	0.18	0.00	0.00	0.00		1.00	0.30	0.27	0.44	0.53	
	23.73	S36-61	S36	C	Chaparral, Broadleaf, Fair	75	57	91	10.79	10.12	9.22	2.00	0.51	0.00		1.00	0.25	7.12	11.86	14.24	
	0.27	S36-61	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.15	0.15	0.14	0.04	0.02	0.00		1.00	0.20	0.08	0.13	0.16	
	19.87	S36-61	S36	B	Fallow	86	72	97	13.25	12.80	12.19	5.29	3.12	1.24		1.00	0.30	5.96	9.93	11.92	
	6.40	S36-61	S36	C	Fallow	91	80	98	4.97	4.86	4.71	2.66	1.90	1.11		1.00	0.25	1.92	3.20	3.84	
	3.14	S36-61	S36	D	Fallow	94	85	99	2.66	2.63	2.57	1.69	1.33	0.92		1.00	0.20	0.94	1.57	1.89	
	0.67	S36-61	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.24	0.22	0.19	0.02	0.00	0.00		1.00	0.30	0.20	0.33	0.40	
	9.52	S36-61	S36	C	Grass, Annual or Perennial, Fair	79	62	93	5.02	4.76	4.41	1.27	0.50	0.04		1.00	0.25	2.85	4.76	5.71	
	0.71	S36-61	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.45	0.43	0.40	0.16	0.08	0.03		1.00	0.20	0.21	0.36	0.43	
	0.22	S36-61	S36	B	Open Brush, Fair	66	46	84	0.07	0.06	0.05	0.00	0.00	0.00		1.00	0.30	0.07	0.11	0.13	
	39.42	S36-61	S36	C	Open Brush, Fair	77	59	92	19.34	18.24	16.77	4.23	1.39	0.02		1.00	0.25	11.83	19.71	23.65	
	0.62	S36-61	S36	D	Open Brush, Fair	83	67	96	0.37	0.36	0.34	0.12	0.06	0.02		1.00	0.20	0.18	0.31	0.37	
	0.11	S36-61	S36	B	Orchards, Evergreen, Fair	65	45	83	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.77	S36-61	S36	D	Orchards, Evergreen, Fair	82	66	95	0.45	0.43	0.40	0.14	0.07	0.02		1.00	0.20	0.23	0.39	0.46	
	0.22	S36-61	S36	B	Woodland, Grass, Fair	65	45	83	0.07	0.06	0.05	0.00	0.00	0.00		1.00	0.30	0.07	0.11	0.13	
	2.69	S36-61	S36	D	Woodland, Grass, Fair	82	66	95	1.57	1.50	1.41	0.49	0.24	0.05		1.00	0.20	0.81	1.34	1.61	
	0.22	S36-62	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.07	0.11	0.13	
	9.22	S36-62	S36	C	Chaparral, Broadleaf, Fair	75	57	91	4.20	3.93	3.59	0.78	0.20	0.00		1.00	0.25	2.77	4.61	5.53	
	0.54	S36-62	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.31	0.29	0.27	0.09	0.04	0.01		1.00	0.20	0.16	0.27	0.32	
	5.65	S36-62	S36	B	Fallow	86	72	97	3.76	3.64	3.46	1.50	0.89	0.35		1.00	0.30	1.69	2.82	3.39	
	3.66	S36-62	S36	C	Fallow	91	80	98	2.84	2.78	2.70	1.52	1.08	0.64		1.00	0.25	1.10	1.83	2.19	
	0.67	S36-62	S36	D	Fallow	94	85	99	0.57	0.56	0.55	0.36	0.28	0.19		1.00	0.20	0.20	0.33	0.40	
	1.56	S36-62	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.55	0.51	0.45	0.05	0.00	0.00		1.00	0.30	0.47	0.78	0.93	
	9.40	S36-62	S36	C	Grass, Annual or Perennial, Fair	79	62	93	4.96	4.70	4.36	1.25	0.49	0.04		1.00	0.25	2.82	4.70	5.64	
	2.76	S36-62	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.72	1.66	1.57	0.61	0.33	0.10		1.00	0.20	0.83	1.38	1.65	
	17.38	S36-62	S36	C	Open Brush, Fair	77	59	92	8.52	8.04	7.39										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13500 to 13700 (Node 134t)

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	100											
						AMC			P ₂₄ (Inches)										5.63				
						II	I	III	AMC 1/AMCII														
	0.67	S36-81	S36	C	Fallow	91	80	98	0.52	0.51	0.49	0.28	0.20	0.12		1.00	0.25	0.20	0.33	0.40			
	1.37	S36-81	S36	D	Fallow	94	85	99	1.16	1.14	1.12	0.73	0.58	0.40		1.00	0.20	0.41	0.68	0.82			
	6.90	S36-81	S36	B	Grass, Annual or Perennial, Fair	69	50	86	2.45	2.25	1.99	0.21	0.00	0.00		1.00	0.30	2.07	3.45	4.14			
	23.04	S36-81	S36	C	Grass, Annual or Perennial, Fair	79	62	93	12.15	11.53	10.69	3.07	1.20	0.10		1.00	0.25	6.91	11.52	13.82			
	1.18	S36-81	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.74	0.71	0.67	0.26	0.14	0.04		1.00	0.20	0.35	0.59	0.71			
	1.56	S36-81	S36	B	Open Brush, Fair	66	46	84	0.48	0.44	0.38	0.02	0.00	0.00		1.00	0.30	0.47	0.78	0.94			
	53.20	S36-81	S36	C	Open Brush, Fair	77	59	92	26.10	24.61	22.63	5.71	1.88	0.02		1.00	0.25	15.96	26.60	31.92			
	2.08	S36-81	S36	D	Open Brush, Fair	83	67	96	1.26	1.21	1.14	0.42	0.21	0.06		1.00	0.20	0.62	1.04	1.25			
	0.01	S36-81	S36	C	Orchards, Evergreen, Fair	77	59	92	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.25	0.00	0.01	0.01			
	0.18	S36-81	S36	B	Row Crops, Poor	81	64	95	0.10	0.10	0.09	0.03	0.01	0.00		1.00	0.30	0.05	0.09	0.11			
	0.39	S36-81	S36	D	Row Crops, Poor	91	80	98	0.30	0.29	0.28	0.16	0.11	0.07		1.00	0.20	0.12	0.19	0.23			
	0.22	S36-81	S36	B	Woodland, Grass, Fair	65	45	83	0.07	0.06	0.05	0.00	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	7.73	S36-81	S36	C	Woodland, Grass, Fair	77	59	92	3.79	3.58	3.29	0.83	0.27	0.00		1.00	0.25	2.32	3.87	4.64			
	4.37	S36-81	S36	D	Woodland, Grass, Fair	82	66	95	2.56	2.45	2.30	0.80	0.38	0.09		1.00	0.20	1.31	2.19	2.62			
	8.49	S36-83	S36	B	Fallow	86	72	97	5.66	5.47	5.21	2.26	1.33	0.53		1.00	0.30	2.55	4.25	5.09			
	13.30	S36-83	S36	C	Fallow	91	80	98	10.34	10.12	9.81	5.53	3.94	2.31		1.00	0.25	3.99	6.65	7.98			
	0.87	S36-83	S36	D	Fallow	94	85	99	0.74	0.73	0.71	0.47	0.37	0.25		1.00	0.20	0.26	0.43	0.52			
	20.26	S36-83	S36	C	Grass, Annual or Perennial, Fair	79	62	93	10.69	10.14	9.40	2.70	1.06	0.09		1.00	0.25	6.08	10.13	12.16			
	1.21	S36-83	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.76	0.73	0.69	0.27	0.14	0.04		1.00	0.20	0.36	0.60	0.72			
	0.05	S36-83	S36	A	Open Brush, Fair	46	28	66	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.03	0.03			
	12.56	S36-83	S36	C	Open Brush, Fair	77	59	92	6.16	5.81	5.34	1.35	0.44	0.01		1.00	0.25	3.77	6.28	7.53			
	0.81	S36-83	S36	D	Open Brush, Fair	83	67	96	0.49	0.47	0.44	0.16	0.08	0.02		1.00	0.20	0.24	0.40	0.49			
	0.00	S36-83	S36	B	Row Crops, Poor	81	64	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00			
	0.01	S36-83	S36	D	Row Crops, Poor	91	80	98	0.01	0.01	0.01	0.01	0.00	0.00		1.00	0.20	0.00	0.01	0.01			
	0.00	S36-83	S36	A	Woodland, Grass, Fair	44	26	64	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00			
	1.11	S36-83	S36	B	Woodland, Grass, Fair	65	45	83	0.33	0.30	0.26	0.01	0.00	0.00		1.00	0.30	0.33	0.55	0.67			
	0.59	S36-83	S36	C	Woodland, Grass, Fair	77	59	92	0.29	0.27	0.25	0.06	0.02	0.00		1.00	0.25	0.18	0.29	0.35			
	3.04	S36-83	S36	D	Woodland, Grass, Fair	82	66	95	1.78	1.70	1.60	0.55	0.27	0.06		1.00	0.20	0.91	1.52	1.83			
	0.23	S36-86	S36	C	Open Brush, Fair	77	59	92	0.11	0.10	0.10	0.02	0.01	0.00		1.00	0.25	0.07	0.11	0.14			
	1.52	S36-86	S36	D	Open Brush, Fair	83	67	96	0.92	0.88	0.83	0.31	0.16	0.04		1.00	0.20	0.46	0.76	0.91			
	0.06	S36-86	S36	A	Woodland, Grass, Fair	44	26	64	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.03	0.03			
	0.13	S36-86	S36	C	Woodland, Grass, Fair	77	59	92	0.07	0.06	0.06	0.01	0.00	0.00		1.00	0.25	0.04	0.07	0.08			
	6.45	S36-86	S36	D	Woodland, Grass, Fair	82	66	95	3.77	3.61	3.39	1.17	0.57	0.13		1.00	0.20	1.93	3.22	3.87			
	0.1	PA-2	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.06	0.06	0.06	0.06	0.05	0.05		0.40	0.30	0.01	0.02	0.02			
	1.3	PA-2	s36	B	Public Park	56	36	76	0.38	0.35	0.32	0.26	0.19	0.17		0.85	0.30	0.33	0.55	0.66			
	0.1	PA-2	s36	C	Residential 8-10 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.25	0.01	0.02	0.02			
	1.7	PA-2	s36	C	Public Park	69	50	86	0.76	0.71	0.66	0.56	0.41	0.27		0.85	0.25	0.43	0.72	0.87			
	0.1	PA-2	s36	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05			
	2.9	PA-2	s36	B	Public Park	56	36	76	0.85	0.78	0.71	0.59	0.43	0.37		0.85	0.30	0.74	1.23	1.48			
	0.1	PA-2	s36	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.50	0.25	0.02	0.03	0.03			
	0.1	PA-2	s36	C	Condominiums	69	50	86	0.07	0.07	0.07	0.07	0.06	0.06		0.35	0.25	0.01	0.02	0.02			
	6.9	PA-2	s36	C	Public Park	69	50	86	3.06	2.89	2.66	2.28	1.65	1.11		0.85	0.25	1.76	2.93	3.52			
	0.4	PA-2	s36	D	Public Park	75	57	91	0.21	0.20	0.19	0.17	0.12	0.08		0.85	0.20	0.10	0.17	0.20			
	0.8	A1	s36	D	Residential 10+ dwellings/acre	75	57	91	0.68	0.67	0.66	0.64	0.60	0.56		0.20	0.20	0.05	0.08	0.10			
	0.5	A10	s36	D	Apartments	75	57	91	0.42	0.42	0.41	0.40	0.38	0.35		0.20	0.20	0.03	0.05	0.06			
	0.9	A10	s36	D	Commercial, Industrial	75	57	91	0.81	0.80	0.79	0.78	0.74	0.70		0.10	0.20	0.03	0.05	0.05			
	3.9	A10	s36	D	Condominiums	75	57	91	3.02	2.97	2.90	2.78	2.55	2.29		0.35	0.20	0.41	0.68	0.82			
	14.6	A11	s36	D	Apartments	75	57	91	12.39	12.26	12.07	11.73	11.04	10.19		0.20	0.20	0.88	1.46	1.75			
	1.1	A11	s36	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85		0.10	0.20	0.03	0.06	0.07			
	4.3	A11	s36	D	Condominiums	75	57	91	3.33	3.28	3.20	3.07	2.81	2.52		0.35	0.20	0.45	0.75	0.90			
	0.5	A12	s36	B	Residential 10+ dwellings/acre	56	36	76	0.40	0.39	0.39	0.38	0.36	0.34		0.20	0.30	0.03	0.05	0.06			
	10	A12	s36	D	Residential 10+ dwellings/acre	75	57	91	8.49	8.40	8.27	8.04	7.56	6.98		0.20	0.20	0.60	1.00	1.20			
	1.7	A12	s36	D	Apartments	75	57	91	1.44	1.43	1.41	1.37	1.29	1.19		0.20	0.20	0.10	0.17	0.20			
	0.5	A12	s36	D	Commercial, Industrial	75	57	91	0.45	0.45	0.44	0.43	0.41	0.39		0.10	0.20	0.02	0.03	0.03			
	1	A12	s36	D	Condominiums	75	57	91	0.78	0.76	0.74	0.71	0.65	0.59		0.35	0.20	0.11	0.18	0.21			
	0.6	A13	s36	D	Residential 10+ dwellings/acre	75	57	91	0.51	0.50	0.50	0.48	0.45	0.42		0.20	0.20	0.04	0.06	0.07			
	0.1	A14	s36	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01			
	7.9	A14	s36	D	Residential 10+ dwellings/acre	75	57	91	6.71	6.63	6.53	6.35	5.97	5.51		0.20	0.20	0.47	0.79	0.95			
	4.1	A14	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.08	3.02	2.94	2.80	2.54	2.25		0.40	0.20	0.49	0.82	0.98			
	2.2	A14	s36	D	Apartments	75	57	91	1.87	1.85	1.82	1.77	1.66	1.54		0.20	0.20	0.13	0.22	0.26			
	0.2	A15	s36	B	Condominiums	56	36	76	0.14	0.13	0.13	0.13	0.12	0.11		0.35	0.30	0.02	0.04	0.04			
	4.5	A15	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.38	3.31	3.23	3.08	2.79	2.47		0.40	0.20	0.54	0.90	1.08			
	0.7	A15	s36	D	Apartments	75	57	91	0.59	0.59													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13500 to 13700 (Node 134t)

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	100											
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III	AMC 1/AMCII														
			EV							HC													
			> 5	5	2	All																	

	0.2	A16	s36	D	Open Brush, Fair	83	67	96	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12
1	A17	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.64	0.63	0.61	0.58	0.54	0.51		0.40	0.30	0.12	0.20	0.24	
7.5	A17	s36	D	Residential 8-10 dwellings/acre	75	57	91	5.63	5.52	5.38	5.13	4.64	4.11		0.40	0.20	0.90	1.50	1.80	
0.1	A17	s36	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06	
4.3	A18	s36	B	Residential 10+ dwellings/acre	56	36	76	3.41	3.37	3.33	3.24	3.09	2.92		0.20	0.30	0.26	0.43	0.52	
0.7	A18	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.45	0.44	0.43	0.41	0.38	0.36		0.40	0.30	0.08	0.14	0.17	
0.9	A18	s36	B	Commercial, Industrial	56	36	76	0.78	0.78	0.77	0.75	0.72	0.69		0.10	0.30	0.03	0.05	0.05	
0.6	A18	s36	B	Condominiums	56	36	76	0.41	0.40	0.39	0.38	0.35	0.33		0.35	0.30	0.06	0.11	0.13	
0.4	A18	s36	D	Residential 10+ dwellings/acre	75	57	91	0.34	0.34	0.33	0.32	0.30	0.28		0.20	0.20	0.02	0.04	0.05	
0.2	A18	s36	D	Residential 8-10 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.11		0.40	0.20	0.02	0.04	0.05	
0.1	A18	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01	
0.1	A18	s36	D	Condominiums	75	57	91	0.08	0.08	0.07	0.07	0.07	0.06		0.35	0.20	0.01	0.02	0.02	
0.7	A19	s36	B	Residential 10+ dwellings/acre	56	36	76	0.56	0.55	0.54	0.53	0.50	0.47		0.20	0.30	0.04	0.07	0.08	
5.1	A19	s36	B	Residential 8-10 dwellings/acre	56	36	76	3.26	3.19	3.11	2.98	2.77	2.59		0.40	0.30	0.61	1.02	1.22	
0.3	A19	s36	B	Commercial, Industrial	56	36	76	0.26	0.26	0.26	0.25	0.24	0.23		0.10	0.30	0.01	0.02	0.02	
0.1	A19	s36	B	Public Park	56	36	76	0.03	0.03	0.02	0.02	0.01	0.01		0.85	0.30	0.03	0.04	0.05	
0.8	A19	s36	D	Residential 10+ dwellings/acre	75	57	91	0.68	0.67	0.66	0.64	0.60	0.56		0.20	0.20	0.05	0.08	0.10	
0.8	A19	s36	D	Residential 5-7 dwellings/acre	75	57	91	0.56	0.55	0.53	0.50	0.44	0.38		0.50	0.20	0.12	0.20	0.24	
3.1	A19	s36	D	Residential 8-10 dwellings/acre	75	57	91	2.33	2.28	2.22	2.12	1.92	1.70		0.40	0.20	0.37	0.62	0.74	
0.3	A19	s36	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02	
1.5	A19	s36	D	Public Park	75	57	91	0.79	0.76	0.71	0.62	0.47	0.32		0.85	0.20	0.38	0.64	0.77	
2.3	A2	s36	D	Apartments	75	57	91	1.95	1.93	1.90	1.85	1.74	1.61		0.20	0.20	0.14	0.23	0.28	
1	A2	s36	D	Commercial, Industrial	75	57	91	0.90	0.89	0.88	0.86	0.82	0.77		0.10	0.20	0.03	0.05	0.06	
2.6	A3	s36	D	Residential 10+ dwellings/acre	75	57	91	2.21	2.18	2.15	2.09	1.97	1.81		0.20	0.20	0.16	0.26	0.31	
1.2	A4	s36	D	Residential 10+ dwellings/acre	75	57	91	1.02	1.01	0.99	0.96	0.91	0.84		0.20	0.20	0.07	0.12	0.14	
0.1	A4	s36	D	Apartments	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
2.4	A4	s36	D	Commercial, Industrial	75	57	91	2.16	2.14	2.12	2.07	1.98	1.85		0.10	0.20	0.07	0.12	0.14	
4.4	A5	s36	D	Apartments	75	57	91	3.74	3.69	3.64	3.54	3.33	3.07		0.20	0.20	0.26	0.44	0.53	
18.2	A5	s36	D	Commercial, Industrial	75	57	91	16.35	16.22	16.05	15.72	15.01	14.06		0.10	0.20	0.55	0.91	1.09	
6.2	A6	s36	D	Apartments	75	57	91	5.26	5.21	5.13	4.98	4.69	4.33		0.20	0.20	0.37	0.62	0.74	
0.1	A6	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01	
15.3	A7	s36	D	Commercial, Industrial	75	57	91	13.74	13.64	13.49	13.21	12.62	11.82		0.10	0.20	0.46	0.77	0.92	
0.7	A7	s36	D	Public Park	75	57	91	0.37	0.35	0.33	0.29	0.22	0.15		0.85	0.20	0.18	0.30	0.36	
2.1	A8	s36	B	Public Park	56	36	76	0.61	0.57	0.51	0.43	0.31	0.27		0.85	0.30	0.54	0.89	1.07	
0.3	A8	s36	D	Residential 5-7 dwellings/acre	75	57	91	0.21	0.21	0.20	0.19	0.17	0.14		0.50	0.20	0.05	0.08	0.09	
0.5	A8	s36	D	Commercial, Industrial	75	57	91	0.45	0.45	0.44	0.43	0.41	0.39		0.10	0.20	0.02	0.03	0.03	
13	A8	s36	D	Public Park	75	57	91	6.87	6.55	6.12	5.38	4.04	2.76		0.85	0.20	3.32	5.53	6.63	
0.5	A9	s36	D	Commercial, Industrial	75	57	91	0.45	0.45	0.44	0.43	0.41	0.39		0.10	0.20	0.02	0.03	0.03	
3.5	BASIN-1	s36	B	Commercial, Industrial	56	36	76	3.05	3.02	2.99	2.94	2.82	2.67		0.10	0.30	0.11	0.18	0.21	
0.1	BASIN-1	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01	
3.1	BASIN-2	s36	B	Commercial, Industrial	56	36	76	2.70	2.68	2.65	2.60	2.50	2.36		0.10	0.30	0.09	0.16	0.19	
0.1	BASIN-2	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01	
2.8	BASIN-3	s36	B	Commercial, Industrial	56	36	76	2.44	2.42	2.39	2.35	2.26	2.14		0.10	0.30	0.08	0.14	0.17	
0.6	BASIN-3	s36	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46		0.10	0.20	0.02	0.03	0.04	
1.5	OFF-1	s36	D	Open Brush, Fair	83	67	96	0.91	0.87	0.82	0.30	0.15	0.04		1.00	0.20	0.45	0.75	0.90	
2.8	OFF-2	s36	D	Open Brush, Fair	83	67	96	1.69	1.62	1.53	0.56	0.29	0.08		1.00	0.20	0.84	1.40	1.68	
3.3	OFF-3	s36	D	Open Brush, Fair	83	67	96	2.00	1.91	1.80	0.66	0.34	0.09		1.00	0.20	0.99	1.65	1.98	
2.3	OFF-4	s36	D	Open Brush, Fair	83	67	96	1.39	1.33	1.26	0.46	0.24	0.06		1.00	0.20	0.69	1.15	1.38	
3.7	OFF-5	s36	D	Open Brush, Fair	83	67	96	2.24	2.15	2.02	0.74	0.38	0.10		1.00	0.20	1.11	1.85	2.22	
8.3	OFF-6	s36	D	Open Brush, Fair	83	67	96	5.02	4.82	4.54	1.67	0.85	0.23		1.00	0.20	2.49	4.15	4.98	
0.6	OFF-7	s36	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36	
0.3	OFF-7	s36	D	Residential 8-10 dwellings/acre	75	57	91	0.23	0.22	0.22	0.21	0.19	0.16		0.40	0.20	0.04	0.06	0.07	
13.2	OFF-7	s36	D	Open Brush, Fair	83	67	96	7.99	7.66	7.21	2.65	1.35	0.36		1.00	0.20	3.96	6.60	7.92	
	3859.7				Low Loss Fraction (1-Y) =				0.408	0.431	0.463	0.760	0.843	0.908	1.000	F _m =	0.284	0.473	0.567	0.000

RANCHO MISSION VIEJO																										
PA-3&4(Ultimate Conditions)																										
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																										
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	100	50	25	10								5	2	
							AMC			P ₂₄ (Inches)										Storm Event (Year)						
							II	I	III	AMC 1/AMCII										5.63	EV		HC			
																							> 5		5	
	9.71		S1	A	Chaparral, Broadleaf, Fair	40	23	60	0.85	0.66	0.44	0.00	0.00	0.00		1.00	0.40	2.91	4.86	5.83						
	73.91		S1	B	Chaparral, Broadleaf, Fair	63	43	81	27.26	25.05	22.11	2.44	0.06	0.00		1.00	0.30	22.17	36.95	44.34						
	1029.81		S1	C	Chaparral, Broadleaf, Fair	75	57	91	569.01	540.83	501.80	162.82	71.65	10.45		1.00	0.25	308.94	514.91	617.89						
	758.05		S1	D	Chaparral, Broadleaf, Fair	81	64	95	494.30	476.27	450.86	191.53	109.83	39.82		1.00	0.20	227.41	379.02	454.83						
	52.00		S1	C	Fallow	91	80	98	43.11	42.39	41.34	26.54	20.44	13.55		1.00	0.25	15.60	26.00	31.20						
	2.73		S1	D	Fallow	94	85	99	2.41	2.39	2.35	1.70	1.41	1.05		1.00	0.20	0.82	1.36	1.64						
	54.84		S1	B	Woodland, Fair	60	40	79	17.90	16.27	14.13	0.93	0.00	0.00		1.00	0.30	16.45	27.42	32.90						
	58.35		S1	C	Woodland, Fair	73	55	89	30.37	28.73	26.46	7.67	2.96	0.20		1.00	0.25	17.51	29.18	35.01						
	1.95		S1	D	Woodland, Fair	79	62	93	1.21	1.16	1.09	0.42	0.23	0.07		1.00	0.20	0.59	0.98	1.17						
	48.35		S1	B	Woodland, Poor	66	46	84	19.96	18.52	16.58	2.65	0.35	0.00		1.00	0.30	14.50	24.17	29.01						
	44.42		S1	C	Woodland, Poor	77	59	92	25.99	24.82	23.19	8.29	4.05	0.90		1.00	0.25	13.32	22.21	26.65						
	95.06		S2	B	Chaparral, Broadleaf, Fair	63	43	81	35.06	32.22	28.43	3.13	0.08	0.00		1.00	0.30	28.52	47.53	57.04						
	1437.77		S2	C	Chaparral, Broadleaf, Fair	75	57	91	794.42	755.08	700.59	227.32	100.04	14.60		1.00	0.25	431.33	718.88	862.66						
	107.72		S2	D	Chaparral, Broadleaf, Fair	81	64	95	70.24	67.68	64.07	27.22	15.61	5.66		1.00	0.20	32.32	53.86	64.63						
	15.50		S2	B	Woodland, Fair	60	40	79	5.06	4.60	3.99	0.26	0.00	0.00		1.00	0.30	4.65	7.75	9.30						
	94.17		S2	C	Woodland, Fair	73	55	89	49.01	46.36	42.70	12.38	4.78	0.33		1.00	0.25	28.25	47.08	56.50						
	35.70		S2	B	Woodland, Grass, Fair	65	45	83	14.21	13.14	11.71	1.64	0.15	0.00		1.00	0.30	10.71	17.85	21.42						
	55.19		S2	C	Woodland, Grass, Fair	77	59	92	32.30	30.84	28.82	10.31	5.03	1.12		1.00	0.25	16.56	27.60	33.12						
	5.90		S3	A	Chaparral, Broadleaf, Fair	40	23	60	0.52	0.40	0.27	0.00	0.00	0.00		1.00	0.40	1.77	2.95	3.54						
	13.63		S3	B	Chaparral, Broadleaf, Fair	63	43	81	5.03	4.62	4.08	0.45	0.01	0.00		1.00	0.30	4.09	6.81	8.18						
	754.34		S3	C	Chaparral, Broadleaf, Fair	75	57	91	416.80	396.16	367.57	119.27	52.49	7.66		1.00	0.25	226.30	377.17	452.60						
	737.55		S3	D	Chaparral, Broadleaf, Fair	81	64	95	480.93	463.39	438.67	186.35	106.86	38.75		1.00	0.20	221.27	368.78	442.53						
	322.55		S3	C	Chaparral, Narrowleaf, Fair	81	64	95	210.32	202.65	191.84	81.49	46.73	16.95		1.00	0.25	96.76	161.27	193.53						
	642.13		S3	D	Chaparral, Narrowleaf, Fair	86	72	97	474.40	461.90	444.01	232.81	156.79	81.59		1.00	0.20	192.64	321.07	385.28						
	4.47		S3	C	Commercial, Industrial	69	50	86	4.07	4.05	4.01	3.94	3.79	3.59		0.10	0.25	0.13	0.22	0.27						
	8.45		S3	C	Grass, Annual or Perennial, Fair	79	62	93	5.23	5.01	4.72	1.84	0.98	0.29		1.00	0.25	2.54	4.23	5.07						
	0.97		S3	D	Grass, Annual or Perennial, Fair	84	69	96	0.68	0.66	0.63	0.31	0.19	0.09		1.00	0.20	0.29	0.49	0.58						
	9.81		S3	D	Open Brush, Fair	83	67	96	6.73	6.52	6.21	2.88	1.77	0.76		1.00	0.20	2.94	4.91	5.89						
	4.08		S3	B	Public Park	56	36	76	1.53	1.43	1.30	1.09	0.78	0.56		0.85	0.30	1.04	1.74	2.08						
	47.90		S3	C	Public Park	69	50	86	25.55	24.33	22.67	19.83	14.95	10.25		0.85	0.25	12.21	20.36	24.43						
	0.38		S3	C	Residential 1 acre lots	69	50	86	0.21	0.20	0.19	0.17	0.13	0.10		0.80	0.25	0.09	0.15	0.18						
	0.21		S3	D	Woodland, Fair	79	62	93	0.13	0.12	0.12	0.05	0.02	0.01		1.00	0.20	0.06	0.10	0.12						
	2.60		S3	A	Woodland, Grass, Fair	44	26	64	0.33	0.27	0.20	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56						
	60.94		S3	B	Woodland, Grass, Fair	65	45	83	24.25	22.43	19.99	2.81	0.25	0.00		1.00	0.30	18.28	30.47	36.56						
	155.04		S3	C	Woodland, Grass, Fair	77	59	92	90.72	86.64	80.94	28.95	14.13	3.15		1.00	0.25	46.51	77.52	93.02						
	90.19		S3	D	Woodland, Grass, Fair	82	66	95	60.35	58.28	55.34	24.59	14.62	5.80		1.00	0.20	27.06	45.10	54.12						
	41.60		S4	A	Chaparral, Broadleaf, Fair	40	23	60	3.64	2.84	1.90	0.00	0.00	0.00		1.00	0.40	12.48	20.80	24.96						
	47.53		S4	B	Chaparral, Broadleaf, Fair	63	43	81	17.53	16.11	14.22	1.57	0.04	0.00		1.00	0.30	14.26	23.77	28.52						
	998.31		S4	C	Chaparral, Broadleaf, Fair	75	57	91	551.60	524.29	486.45	157.84	69.46	10.13		1.00	0.25	299.49	499.16	598.99						
	181.26		S4	D	Chaparral, Broadleaf, Fair	81	64	95	118.19	113.88	107.80	45.80	26.26	9.52		1.00	0.20	54.38	90.63	108.75						
	71.49		S4	C	Chaparral, Narrowleaf, Fair	81	64	95	46.61	44.91	42.52	18.06	10.36	3.76		1.00	0.25	21.45	35.74	42.89						
	0.93		S4	D	Chaparral, Narrowleaf, Fair	86	72	97	0.69	0.67	0.64	0.34	0.23	0.12		1.00	0.20	0.28	0.46	0.56						
	25.40		S4	B	Fallow	86	72	97	18.77	18.27	17.56	9.21	6.20	3.23		1.00	0.30	7.62	12.70	15.24						
	60.60		S4	C	Fallow	91	80	98	50.24	49.40	48.18	30.93	23.82	15.79		1.00	0.25	18.18	30.30	36.36						
	0.09		S4	D	Fallow	94	85	99	0.08	0.08	0.08	0.06	0.05	0.04		1.00	0.20	0.03	0.05	0.05						
	11.02		S4	B	Woodland, Fair	60	40	79	3.60	3.27	2.84	0.19	0.00	0.00		1.00	0.30	3.31	5.51	6.61						
	24.63		S4	C	Woodland, Fair	73	55	89	12.82	12.12	11.17	3.24	1.25	0.09		1.00	0.25	7.39	12.31	14.78						
	0.76		S4	B	Woodland, Poor	66	46	84	0.31	0.29	0.26	0.04	0.01	0.00		1.00	0.30	0.23	0.38	0.45						
	8.00		S4	C	Woodland, Poor	77	59	92	4.68	4.47	4.18	1.49	0.73	0.16		1.00	0.25	2.40	4.00	4.80						
	3.22		S5	B	Chaparral, Broadleaf, Fair	63	43	81	1.19	1.09	0.96	0.11	0.00	0.00		1.00	0.30	0.97	1.61	1.93						
	43.68		S5	C	Chaparral, Broadleaf, Fair	75	57	91	24.14	22.94	21.29	6.91	3.04	0.44		1.00	0.25	13.10	21.84	26.21						
	204.58		S5	D	Chaparral, Broadleaf, Fair	81	64	95	133.40	128.54	121.68	51.69	29.64	10.75		1.00	0.20	61.37	102.29	122.75						
	9.30		S5	B	Chaparral, Narrowleaf, Fair	72	53	89	4.69	4.43	4.06	1.11	0.39	0.01		1.00	0.30	2.79	4.65	5.58						
	283.71		S5	C	Chaparral, Narrowleaf, Fair	81	64	95	185.00	178.25	168.74	71.68	41.10	14.90		1.00	0.25	85.11	141.85	170.23						
	334.67		S5	D	Chaparral, Narrowleaf, Fair	86	72	97	247.25	240.73	231.41	121.33	81.71	42.52		1.00	0.20	100.40	167.33	200.80						
	3.04		S5	C	Residential 1 acre lots	69	50	86	1.70	1.63	1.53	1.35	1.06	0.77		0.80	0.25	0.73	1.22	1.46						
	10.47		S5	B	Woodland, Grass, Fair	65	45	83	4.17	3.86	3.44	0.48	0.04	0.00		1.00	0.30	3.14	5.24	6.28						
	4.29		S5	C	Woodland, Grass, Fair	77	59	92	2.51	2.40	2.24	0.80	0.39	0.09		1.00	0.25	1.29	2.15	2.58						
	21.26</																									

RANCHO MISSION VIEJO																									
PA-3&4(Ultimate Conditions)																									
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																									
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)				
									100	50	25	10	5	2	100										
									P ₂₄ (Inches)																
						II	I	III	AMC 1/AMCII																
	154.64		S7	C	Chaparral, Broadleaf, Fair	75	57	91	85.45	81.21	75.35	24.45	10.76	1.57		1.00	0.25	46.39	77.32	92.79					
	650.67		S7	D	Chaparral, Broadleaf, Fair	81	64	95	424.28	408.80	386.99	164.40	94.27	34.18		1.00	0.20	195.20	325.33	390.40					
	1.62		S7	A	Chaparral, Narrowleaf, Fair	55	35	75	0.42	0.37	0.31	0.00	0.00	0.00		1.00	0.40	0.49	0.81	0.97					
	1.83		S7	B	Chaparral, Narrowleaf, Fair	72	53	89	0.93	0.87	0.80	0.22	0.08	0.00		1.00	0.30	0.55	0.92	1.10					
	119.57		S7	C	Chaparral, Narrowleaf, Fair	81	64	95	77.97	75.12	71.11	30.21	17.32	6.28		1.00	0.25	35.87	59.78	71.74					
	705.90		S7	D	Chaparral, Narrowleaf, Fair	86	72	97	521.52	507.77	488.11	255.93	172.36	89.70		1.00	0.20	211.77	352.95	423.54					
	6.15		S7	C	Grass, Annual or Perennial, Fair	79	62	93	3.80	3.65	3.43	1.34	0.71	0.21		1.00	0.25	1.85	3.08	3.69					
	8.08		S7	D	Grass, Annual or Perennial, Fair	84	69	96	5.69	5.52	5.27	2.54	1.61	0.74		1.00	0.20	2.42	4.04	4.85					
	15.59		S7	C	Open Brush, Fair	77	59	92	9.12	8.71	8.14	2.91	1.42	0.32		1.00	0.25	4.68	7.79	9.35					
	77.13		S7	D	Open Brush, Fair	83	67	96	52.94	51.22	48.80	22.62	13.91	5.97		1.00	0.20	23.14	38.56	46.28					
	2.83		S7	C	Public Park	69	50	86	1.51	1.44	1.34	1.17	0.88	0.60		0.85	0.25	0.72	1.20	1.44					
	4.53		S7	C	Residential 1 acre lots	69	50	86	2.53	2.42	2.27	2.01	1.57	1.15		0.80	0.25	1.09	1.81	2.17					
	23.54		S7	C	School	69	50	86	15.52	15.07	14.46	13.40	11.55	9.66		0.60	0.25	4.24	7.06	8.48					
	0.65		S7	D	School	75	57	91	0.47	0.46	0.44	0.41	0.36	0.30		0.60	0.20	0.12	0.20	0.24					
	10.99		S7	A	Woodland, Grass, Fair	44	26	64	1.40	1.16	0.85	0.00	0.00	0.00		1.00	0.40	3.30	5.50	6.59					
	27.31		S7	B	Woodland, Grass, Fair	65	45	83	10.87	10.05	8.96	1.26	0.11	0.00		1.00	0.30	8.19	13.66	16.39					
	66.03		S7	C	Woodland, Grass, Fair	77	59	92	38.64	36.90	34.47	12.33	6.02	1.34		1.00	0.25	19.81	33.01	39.62					
	83.68		S7	D	Woodland, Grass, Fair	82	66	95	56.00	54.07	51.35	22.81	13.57	5.38		1.00	0.20	25.10	41.84	50.21					
	2.17		S8	A	Chaparral, Broadleaf, Fair	40	23	60	0.19	0.15	0.10	0.00	0.00	0.00		1.00	0.40	0.65	1.08	1.30					
	62.77		S8	C	Chaparral, Broadleaf, Fair	75	57	91	34.68	32.97	30.59	9.92	4.37	0.64		1.00	0.25	18.83	31.39	37.66					
	828.83		S8	D	Chaparral, Broadleaf, Fair	81	64	95	540.45	520.74	492.95	209.41	120.08	43.54		1.00	0.20	248.65	414.41	497.30					
	4.58		S8	A	Chaparral, Narrowleaf, Fair	55	35	75	1.18	1.05	0.89	0.01	0.00	0.00		1.00	0.40	1.37	2.29	2.75					
	473.80		S8	C	Chaparral, Narrowleaf, Fair	81	64	95	308.95	297.68	281.80	119.71	68.65	24.89		1.00	0.25	142.14	236.90	284.28					
	380.43		S8	D	Chaparral, Narrowleaf, Fair	86	72	97	281.06	273.65	263.05	137.93	92.89	48.34		1.00	0.20	114.13	190.21	228.26					
	9.56		S8	A	Open Brush, Fair	46	28	66	1.43	1.20	0.92	0.00	0.00	0.00		1.00	0.40	2.87	4.78	5.74					
	98.44		S8	C	Open Brush, Fair	77	59	92	57.60	55.01	51.39	18.38	8.97	2.00		1.00	0.25	29.53	49.22	59.06					
	318.26		S8	D	Open Brush, Fair	83	67	96	218.43	211.37	201.34	93.34	57.39	24.63		1.00	0.20	95.48	159.13	190.95					
	14.99		S8	A	Woodland, Grass, Fair	44	26	64	1.91	1.58	1.16	0.00	0.00	0.00		1.00	0.40	4.50	7.50	9.00					
	21.60		S8	C	Woodland, Grass, Fair	77	59	92	12.64	12.07	11.28	4.03	1.97	0.44		1.00	0.25	6.48	10.80	12.96					
	53.83		S8	D	Woodland, Grass, Fair	82	66	95	36.02	34.78	33.03	14.68	8.73	3.46		1.00	0.20	16.15	26.91	32.30					
	0.97		S9	A	Chaparral, Broadleaf, Fair	40	23	60	0.08	0.07	0.04	0.00	0.00	0.00		1.00	0.40	0.29	0.48	0.58					
	5.45		S9	B	Chaparral, Broadleaf, Fair	63	43	81	2.01	1.85	1.63	0.18	0.00	0.00		1.00	0.30	1.63	2.72	3.27					
	476.00		S9	C	Chaparral, Broadleaf, Fair	75	57	91	263.00	249.98	231.94	75.26	33.12	4.83		1.00	0.25	142.80	238.00	285.60					
	240.06		S9	D	Chaparral, Broadleaf, Fair	81	64	95	156.53	150.82	142.78	60.65	34.78	12.61		1.00	0.20	72.02	120.03	144.03					
	1.16		S9	B	Chaparral, Narrowleaf, Fair	72	53	89	0.58	0.55	0.51	0.14	0.05	0.00		1.00	0.30	0.35	0.58	0.69					
	602.70		S9	C	Chaparral, Narrowleaf, Fair	81	64	95	393.00	378.66	358.46	152.28	87.32	31.66		1.00	0.25	180.81	301.35	361.62					
	212.84		S9	D	Chaparral, Narrowleaf, Fair	86	72	97	157.24	153.10	147.17	77.16	51.97	27.04		1.00	0.20	63.85	106.42	127.70					
	0.26		S9	A	Open Brush, Fair	46	28	66	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.40	0.08	0.13	0.16					
	0.06		S9	B	Open Brush, Fair	66	46	84	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.03					
	118.82		S9	C	Open Brush, Fair	77	59	92	69.53	66.40	62.04	22.19	10.83	2.41		1.00	0.25	35.65	59.41	71.29					
	74.36		S9	D	Open Brush, Fair	83	67	96	51.03	49.38	47.04	21.81	13.41	5.75		1.00	0.20	22.31	37.18	44.61					
	6.82		S9	D	Open Brush, Good	81	64	95	4.45	4.29	4.06	1.72	0.99	0.36		1.00	0.20	2.05	3.41	4.09					
	6.34		S9	A	Woodland, Grass, Fair	44	26	64	0.81	0.67	0.49	0.00	0.00	0.00		1.00	0.40	1.90	3.17	3.81					
	12.90		S9	B	Woodland, Grass, Fair	65	45	83	5.13	4.75	4.23	0.59	0.05	0.00		1.00	0.30	3.87	6.45	7.74					
	52.70		S9	C	Woodland, Grass, Fair	77	59	92	30.84	29.45	27.51	9.84	4.80	1.07		1.00	0.25	15.81	26.35	31.62					
	16.07		S9	D	Woodland, Grass, Fair	82	66	95	10.75	10.38	9.86	4.38	2.61	1.03		1.00	0.20	4.82	8.04	9.64					
	65.47		S10	A	Chaparral, Broadleaf, Fair	40	23	60	5.72	4.47	2.99	0.00	0.00	0.00		1.00	0.40	19.64	32.74	39.28					
	1.23		S10	B	Chaparral, Broadleaf, Fair	63	43	81	0.45	0.42	0.37	0.04	0.00	0.00		1.00	0.30	0.37	0.61	0.74					
	0.16		S10	C	Chaparral, Broadleaf, Fair	75	57	91	0.09	0.08	0.08	0.03	0.01	0.00		1.00	0.25	0.05	0.08	0.10					
	247.92		S10	D	Chaparral, Broadleaf, Fair	81	64	95	161.66	155.77	147.45	62.64	35.92	13.02		1.00	0.20	74.38	123.96	148.75					
	0.16		S10	A	Chaparral, Narrowleaf, Fair	55	35	75	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.05	0.08	0.09					
	0.11		S10	C	Chaparral, Narrowleaf, Fair	81	64	95	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.06	0.07					
	65.21		S10	D	Chaparral, Narrowleaf, Fair	86	72	97	48.18	46.91	45.09	23.64	15.92	8.29		1.00	0.20	19.56	32.60	39.13					
	5.06		S10	A	Open Brush, Fair	46	28	66	0.76	0.63	0.48	0.00	0.00	0.00		1.00	0.40	1.52	2.53	3.04					
	105.84		S10	D	Open Brush, Fair	83	67	96	72.64	70.29	66.96	31.04	19.08	8.19		1.00	0.20	31.75	52.92	63.51					
	2.32		S10	A	Open Brush, Good	41	24	61	0.22	0.18	0.12	0.00	0.00	0.00		1.00	0.40	0.70	1.16	1.39					
	0.27		S10	B	Open Brush, Good	63	43	81	0.10	0.09	0.08	0.01	0.00	0.00		1.00	0.30	0.08	0.14	0.16					
	155.88		S10	C	Open Brush, Good	75	57	91	86.13	81.87	75.96	24.65	10.85	1.58		1.00	0.25	46.76	77.94	93.53					
	158.20		S10	D	Open Brush, Good	81	64	95	103.16	99.39	94.09	39.97	22.92	8.31		1.00	0.20	47.46	79.10	94.92					
	0.39		S10	B	Public Park	56	36	76	0.15	0.14	0.12	0.10	0.07	0.05		0.85	0								

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100								
						AMC		P ₂₄ (Inches)							5.63							
								II	I	III				AMC 1/AMCII								
	22.90		S11	C	Chaparral, Narrowleaf, Fair	81	64	95	14.93	14.39	13.62	5.79	3.32	1.20		1.00	0.25	6.87	11.45	13.74		
	683.24		S11	D	Chaparral, Narrowleaf, Fair	86	72	97	504.77	491.47	472.44	247.71	166.82	86.82		1.00	0.20	204.97	341.62	409.94		
	9.74		S11	B	Grass, Annual or Perennial, Fair	69	50	86	4.46	4.18	3.79	0.82	0.21	0.00		1.00	0.30	2.92	4.87	5.85		
	13.55		S11	C	Grass, Annual or Perennial, Fair	79	62	93	8.38	8.04	7.56	2.95	1.56	0.46		1.00	0.25	4.07	6.78	8.13		
	0.86		S11	D	Grass, Annual or Perennial, Fair	84	69	96	0.61	0.59	0.56	0.27	0.17	0.08		1.00	0.20	0.26	0.43	0.52		
	9.65		S11	C	Open Brush, Fair	77	59	92	5.64	5.39	5.04	1.80	0.88	0.20		1.00	0.25	2.89	4.82	5.79		
	112.49		S11	D	Open Brush, Fair	83	67	96	77.21	74.71	71.17	32.99	20.28	8.70		1.00	0.20	33.75	56.25	67.50		
	1.41		S11	B	Public Park	56	36	76	0.53	0.49	0.45	0.37	0.27	0.19		0.85	0.30	0.36	0.60	0.72		
	5.39		S11	C	Public Park	69	50	86	2.87	2.74	2.55	2.23	1.68	1.15		0.85	0.25	1.37	2.29	2.75		
	1.78		S11	D	Public Park	75	57	91	1.09	1.05	0.99	0.89	0.70	0.50		0.85	0.20	0.45	0.76	0.91		
	0.27		S11	C	Woodland, Fair	73	55	89	0.14	0.13	0.12	0.04	0.01	0.00		1.00	0.25	0.08	0.14	0.16		
	45.10		S11	D	Woodland, Fair	79	62	93	27.89	26.75	25.16	9.80	5.21	1.53		1.00	0.20	13.53	22.55	27.06		
	13.34		S11	B	Woodland, Grass, Fair	65	45	83	5.31	4.91	4.38	0.61	0.06	0.00		1.00	0.30	4.00	6.67	8.00		
	61.25		S11	C	Woodland, Grass, Fair	77	59	92	35.84	34.23	31.98	11.44	5.58	1.24		1.00	0.25	18.38	30.63	36.75		
	24.56		S11	D	Woodland, Grass, Fair	82	66	95	16.44	15.87	15.07	6.70	3.98	1.58		1.00	0.20	7.37	12.28	14.74		
	17.17		S12	A	Chaparral, Broadleaf, Fair	40	23	60	1.50	1.17	0.78	0.00	0.00	0.00		1.00	0.40	5.15	8.58	10.30		
	306.06		S12	C	Chaparral, Broadleaf, Fair	75	57	91	169.11	160.73	149.14	48.39	21.30	3.11		1.00	0.25	91.82	153.03	183.64		
	487.33		S12	D	Chaparral, Broadleaf, Fair	81	64	95	317.77	306.18	289.85	123.13	70.61	25.60		1.00	0.20	146.20	243.67	292.40		
	12.40		S12	A	Chaparral, Narrowleaf, Fair	55	35	75	3.21	2.86	2.40	0.02	0.00	0.00		1.00	0.40	3.72	6.20	7.44		
	68.72		S12	C	Chaparral, Narrowleaf, Fair	81	64	95	44.81	43.17	40.87	17.36	9.96	3.61		1.00	0.25	20.62	34.36	41.23		
	724.53		S12	D	Chaparral, Narrowleaf, Fair	86	72	97	535.28	521.17	500.99	262.68	176.91	92.06		1.00	0.20	217.36	362.26	434.72		
	7.07		S12	A	Open Brush, Fair	46	28	66	1.06	0.89	0.68	0.00	0.00	0.00		1.00	0.40	2.12	3.54	4.24		
	0.89		S12	C	Open Brush, Fair	77	59	92	0.52	0.50	0.47	0.17	0.08	0.02		1.00	0.25	0.27	0.45	0.53		
	407.66		S12	D	Open Brush, Fair	83	67	96	279.80	270.74	257.91	119.56	73.51	31.54		1.00	0.20	122.30	203.83	244.60		
	0.26		S12	C	Public Park	69	50	86	0.14	0.13	0.12	0.11	0.08	0.06		0.85	0.25	0.07	0.11	0.13		
	0.00		S12	D	Public Park	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.85	0.20	0.00	0.00	0.00		
	6.85		S12	A	Woodland, Grass, Fair	44	26	64	0.87	0.72	0.53	0.00	0.00	0.00		1.00	0.40	2.06	3.43	4.11		
	22.97		S12	B	Woodland, Grass, Fair	65	45	83	9.14	8.45	7.53	1.06	0.10	0.00		1.00	0.30	6.89	11.48	13.78		
	248.53		S12	C	Woodland, Grass, Fair	77	59	92	145.43	138.88	129.75	46.41	22.65	5.04		1.00	0.25	74.56	124.27	149.12		
	60.03		S12	D	Woodland, Grass, Fair	82	66	95	40.17	38.79	36.83	16.37	9.73	3.86		1.00	0.20	18.01	30.02	36.02		
	15.97		S13	A	Chaparral, Broadleaf, Fair	40	23	60	1.40	1.09	0.73	0.00	0.00	0.00		1.00	0.40	4.79	7.98	9.58		
	7.05		S13	B	Chaparral, Broadleaf, Fair	63	43	81	2.60	2.39	2.11	0.23	0.01	0.00		1.00	0.30	2.11	3.52	4.23		
	645.40		S13	C	Chaparral, Broadleaf, Fair	75	57	91	356.61	338.95	314.49	102.04	44.91	6.55		1.00	0.25	193.62	322.70	387.24		
	120.49		S13	D	Chaparral, Broadleaf, Fair	81	64	95	78.56	75.70	71.66	30.44	17.46	6.33		1.00	0.20	36.15	60.24	72.29		
	25.50		S13	A	Chaparral, Narrowleaf, Fair	55	35	75	6.60	5.88	4.94	0.04	0.00	0.00		1.00	0.40	7.65	12.75	15.30		
	11.66		S13	B	Chaparral, Narrowleaf, Fair	72	53	89	5.88	5.55	5.09	1.39	0.49	0.02		1.00	0.30	3.50	5.83	7.00		
	497.07		S13	C	Chaparral, Narrowleaf, Fair	81	64	95	324.12	312.30	295.63	125.59	72.02	26.11		1.00	0.25	149.12	248.53	298.24		
	451.84		S13	D	Chaparral, Narrowleaf, Fair	86	72	97	333.82	325.02	312.44	163.82	110.33	57.41		1.00	0.20	135.55	225.92	271.11		
	4.19		S13	A	Open Brush, Fair	46	28	66	0.63	0.53	0.40	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52		
	1.00		S13	B	Open Brush, Fair	66	46	84	0.41	0.38	0.34	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60		
	104.58		S13	C	Open Brush, Fair	77	59	92	61.20	58.44	54.60	19.53	9.53	2.12		1.00	0.25	31.37	52.29	62.75		
	161.75		S13	D	Open Brush, Fair	83	67	96	111.01	107.42	102.33	47.44	29.16	12.52		1.00	0.20	48.52	80.87	97.05		
	0.22		S13	A	Open Brush, Good	41	24	61	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13		
	0.06		S13	B	Open Brush, Good	63	43	81	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04		
	51.44		S13	C	Open Brush, Good	75	57	91	28.42	27.01	25.06	8.13	3.58	0.52		1.00	0.25	15.43	25.72	30.86		
	0.09		S13	D	Open Brush, Good	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06		
	5.18		S13	A	Public Park	32	17	52	0.85	0.81	0.76	0.73	0.71	0.69		0.85	0.40	1.32	2.20	2.64		
	2.52		S13	B	Public Park	56	36	76	0.94	0.88	0.80	0.67	0.48	0.35		0.85	0.30	0.64	1.07	1.28		
	0.28		S13	D	Public Park	75	57	91	0.17	0.16	0.15	0.14	0.11	0.08		0.85	0.20	0.07	0.12	0.14		
	24.00		S13	A	Residential 1 acre lots	32	17	52	5.08	4.87	4.66	4.52	4.41	4.23		0.80	0.40	5.76	9.60	11.52		
	3.86		S13	B	Residential 1 acre lots	56	36	76	1.58	1.49	1.37	1.18	0.90	0.70		0.80	0.30	0.93	1.54	1.85		
	9.01		S13	C	Residential 1 acre lots	69	50	86	5.03	4.81	4.52	4.01	3.13	2.28		0.80	0.25	2.16	3.60	4.32		
	36.94		S13	A	Woodland, Grass, Fair	44	26	64	4.72	3.88	2.87	0.00	0.00	0.00		1.00	0.40	11.08	18.47	22.17		
	12.05		S13	B	Woodland, Grass, Fair	65	45	83	4.79	4.44	3.95	0.55	0.05	0.00		1.00	0.30	3.61	6.02	7.23		
	24.51		S13	C	Woodland, Grass, Fair	77	59	92	14.34	13.69	12.79	4.58	2.23	0.50		1.00	0.25	7.35	12.25	14.70		
	7.65		S13	D	Woodland, Grass, Fair	82	66	95	5.12	4.94	4.69	2.09	1.24	0.49		1.00	0.20	2.29	3.82	4.59		
	21.26		S14	A	Chaparral, Broadleaf, Fair	40	23	60	1.86	1.45	0.97	0.00	0.00	0.00		1.00	0.40	6.38	10.63	12.75		
	367.70		S14	C	Chaparral, Broadleaf, Fair	75	57	91	203.17	193.11	179.17	58.14	25.58	3.73		1.00	0.25	110.31	183.85	220.62		
	287.86		S14	D	Chaparral, Broadleaf, Fair	81	64	95	187.71	180.86	171.21	72.73	41.71	15.12		1.00	0.20	86.36	143.93	172.72		
	14.04		S14	A	Chaparral, Narrowleaf, Fair	55	35	75	3.63	3.24	2.72	0.02	0.00	0.00		1.00	0.40	4.21	7.02	8.43		
	0.02		S14	B	Chaparral, Narrowleaf, Fair	72	53	89	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01		
	174.85		S14	C	Chaparral, Narrowleaf, Fair	81	64	95</														

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100										
						AMC		P ₂₄ (Inches)						5.63								
II	I	III					AMC 1/AMCII															

	2.48		S14	B	Public Park	56	36	76	0.93	0.87	0.79	0.66	0.47	0.34		0.85	0.30	0.63	1.05	1.26
	0.73		S14	D	Public Park	75	57	91	0.45	0.43	0.40	0.36	0.29	0.20		0.85	0.20	0.19	0.31	0.37
	50.10		S14	A	Woodland, Grass, Fair	44	26	64	6.39	5.27	3.89	0.00	0.00	0.00	1.00	0.40	15.03	25.05	30.06	
	0.85		S14	B	Woodland, Grass, Fair	65	45	83	0.34	0.31	0.28	0.04	0.00	0.00	1.00	0.30	0.25	0.42	0.51	
	13.64		S14	C	Woodland, Grass, Fair	77	59	92	7.98	7.62	7.12	2.55	1.24	0.28	1.00	0.25	4.09	6.82	8.18	
	12.11		S14	D	Woodland, Grass, Fair	82	66	95	8.11	7.83	7.43	3.30	1.96	0.78	1.00	0.20	3.63	6.06	7.27	
	35.60		S15	A	Chaparral, Broadleaf, Fair	40	23	60	3.11	2.43	1.63	0.00	0.00	0.00	1.00	0.40	10.68	17.80	21.36	
	20.35		S15	B	Chaparral, Broadleaf, Fair	63	43	81	7.51	6.90	6.09	0.67	0.02	0.00	1.00	0.30	6.10	10.17	12.21	
	209.04		S15	C	Chaparral, Broadleaf, Fair	75	57	91	115.50	109.78	101.86	33.05	14.55	2.12	1.00	0.25	62.71	104.52	125.42	
	53.93		S15	D	Chaparral, Broadleaf, Fair	81	64	95	35.16	33.88	32.07	13.63	7.81	2.83	1.00	0.20	16.18	26.96	32.36	
	0.29		S15	A	Chaparral, Narrowleaf, Fair	55	35	75	0.07	0.07	0.06	0.00	0.00	0.00	1.00	0.40	0.09	0.14	0.17	
	1.07		S15	B	Chaparral, Narrowleaf, Fair	72	53	89	0.54	0.51	0.47	0.13	0.05	0.00	1.00	0.30	0.32	0.54	0.64	
	52.44		S15	C	Chaparral, Narrowleaf, Fair	81	64	95	34.19	32.95	31.19	13.25	7.60	2.75	1.00	0.25	15.73	26.22	31.46	
	102.66		S15	D	Chaparral, Narrowleaf, Fair	86	72	97	75.84	73.85	70.99	37.22	25.07	13.04	1.00	0.20	30.80	51.33	61.60	
	3.28		S15	A	Commercial, Industrial	32	17	52	2.84	2.83	2.81	2.78	2.71	2.60	0.10	0.40	0.10	0.16	0.20	
	11.67		S15	C	Commercial, Industrial	69	50	86	10.63	10.55	10.45	10.27	9.88	9.37	0.10	0.25	0.35	0.58	0.70	
	12.74		S15	D	Commercial, Industrial	75	57	91	11.72	11.65	11.54	11.33	10.91	10.33	0.10	0.20	0.38	0.64	0.76	
	2.49		S15	A	Grass, Annual or Perennial, Fair	50	31	70	0.49	0.42	0.34	0.00	0.00	0.00	1.00	0.40	0.75	1.25	1.49	
	5.03		S15	B	Grass, Annual or Perennial, Fair	69	50	86	2.30	2.16	1.96	0.42	0.11	0.00	1.00	0.30	1.51	2.52	3.02	
	30.99		S15	C	Grass, Annual or Perennial, Fair	79	62	93	19.16	18.38	17.29	6.74	3.58	1.05	1.00	0.25	9.30	15.50	18.59	
	91.48		S15	D	Grass, Annual or Perennial, Fair	84	69	96	64.37	62.42	59.64	28.78	18.25	8.39	1.00	0.20	27.44	45.74	54.89	
	174.55		S15	A	Open Brush, Fair	46	28	66	26.09	21.91	16.73	0.00	0.00	0.00	1.00	0.40	52.37	87.28	104.73	
	23.72		S15	B	Open Brush, Fair	66	46	84	9.79	9.08	8.13	1.30	0.17	0.00	1.00	0.30	7.11	11.86	14.23	
	742.96		S15	C	Open Brush, Fair	77	59	92	434.75	415.17	387.89	138.74	67.72	15.08	1.00	0.25	222.89	371.48	445.77	
	293.38		S15	D	Open Brush, Fair	83	67	96	201.36	194.84	185.60	86.04	52.90	22.70	1.00	0.20	88.01	146.69	176.03	
	4.49		S15	A	Residential 5-7 dwellings/acre	32	17	52	2.21	2.18	2.15	2.12	2.06	1.98	0.50	0.40	0.67	1.12	1.35	
	1.27		S15	C	Residential 5-7 dwellings/acre	69	50	86	0.90	0.88	0.85	0.80	0.71	0.62	0.50	0.25	0.19	0.32	0.38	
	0.11		S15	D	Residential 5-7 dwellings/acre	75	57	91	0.09	0.08	0.08	0.08	0.07	0.06	0.50	0.20	0.02	0.03	0.03	
	285.97		S15	A	Woodland, Grass, Fair	44	26	64	36.50	30.07	22.20	0.00	0.00	0.00	1.00	0.40	85.79	142.99	171.58	
	28.71		S15	B	Woodland, Grass, Fair	65	45	83	11.43	10.57	9.42	1.32	0.12	0.00	1.00	0.30	8.61	14.36	17.23	
	33.62		S15	C	Woodland, Grass, Fair	77	59	92	19.67	18.79	17.55	6.28	3.06	0.68	1.00	0.25	10.09	16.81	20.17	
	89.19		S15	D	Woodland, Grass, Fair	82	66	95	59.68	57.63	54.73	24.32	14.46	5.74	1.00	0.20	26.76	44.60	53.52	
	21.74		S16	D	Barren	93	83	99	18.83	18.58	18.23	12.69	10.27	7.39	1.00	0.20	6.52	10.87	13.04	
	10.52		S16	A	Chaparral, Broadleaf, Fair	40	23	60	0.92	0.72	0.48	0.00	0.00	0.00	1.00	0.40	3.16	5.26	6.31	
	914.67		S16	C	Chaparral, Broadleaf, Fair	75	57	91	505.39	480.36	445.70	144.62	63.64	9.29	1.00	0.25	274.40	457.34	548.80	
	860.30		S16	D	Chaparral, Broadleaf, Fair	81	64	95	560.97	540.51	511.67	217.36	124.64	45.20	1.00	0.20	258.09	430.15	516.18	
	3.59		S16	A	Chaparral, Narrowleaf, Fair	55	35	75	0.93	0.83	0.69	0.01	0.00	0.00	1.00	0.40	1.08	1.79	2.15	
	147.16		S16	C	Chaparral, Narrowleaf, Fair	81	64	95	95.96	92.46	87.53	37.18	21.32	7.73	1.00	0.25	44.15	73.58	88.30	
	541.02		S16	D	Chaparral, Narrowleaf, Fair	86	72	97	399.70	389.17	374.10	196.15	132.10	68.74	1.00	0.20	162.31	270.51	324.61	
	1.56		S16	A	Open Brush, Fair	46	28	66	0.23	0.20	0.15	0.00	0.00	0.00	1.00	0.40	0.47	0.78	0.94	
	21.05		S16	C	Open Brush, Fair	77	59	92	12.32	11.77	10.99	3.93	1.92	0.43	1.00	0.25	6.32	10.53	12.63	
	492.25		S16	D	Open Brush, Fair	83	67	96	337.85	326.92	311.42	144.36	88.76	38.09	1.00	0.20	147.68	246.13	295.35	
	112.03		S16	C	Residential 2.5 acre lots	69	50	86	56.95	53.95	49.87	42.90	30.98	19.56	0.90	0.25	30.25	50.41	60.50	
	3.80		S16	A	Woodland, Grass, Fair	44	26	64	0.48	0.40	0.29	0.00	0.00	0.00	1.00	0.40	1.14	1.90	2.28	
	63.48		S16	C	Woodland, Grass, Fair	77	59	92	37.14	35.47	33.14	11.85	5.79	1.29	1.00	0.25	19.04	31.74	38.09	
	10.66		S16	D	Woodland, Grass, Fair	82	66	95	7.13	6.89	6.54	2.91	1.73	0.69	1.00	0.20	3.20	5.33	6.40	
	0.53		S17	A	Barren	78	61	93	0.32	0.30	0.29	0.11	0.05	0.01	1.00	0.40	0.16	0.26	0.32	
	21.11		S17	C	Barren	91	80	98	17.50	17.20	16.78	10.77	8.30	5.50	1.00	0.25	6.33	10.55	12.66	
	20.15		S17	D	Barren	93	83	99	17.45	17.22	16.89	11.76	9.52	6.85	1.00	0.20	6.04	10.07	12.09	
	72.38		S17	A	Chaparral, Broadleaf, Fair	40	23	60	6.33	4.94	3.31	0.00	0.00	0.00	1.00	0.40	21.71	36.19	43.43	
	209.48		S17	C	Chaparral, Broadleaf, Fair	75	57	91	115.74	110.01	102.07	33.12	14.58	2.13	1.00	0.25	62.84	104.74	125.69	
	13.50		S17	D	Chaparral, Broadleaf, Fair	81	64	95	8.81	8.48	8.03	3.41	1.96	0.71	1.00	0.20	4.05	6.75	8.10	
	9.54		S17	A	Chaparral, Narrowleaf, Fair	55	35	75	2.47	2.20	1.85	0.01	0.00	0.00	1.00	0.40	2.86	4.77	5.72	
	1.42		S17	B	Chaparral, Narrowleaf, Fair	72	53	89	0.72	0.68	0.62	0.17	0.06	0.00	1.00	0.30	0.43	0.71	0.85	
	11.72		S17	C	Chaparral, Narrowleaf, Fair	81	64	95	7.64	7.36	6.97	2.96	1.70	0.62	1.00	0.25	3.52	5.86	7.03	
	1.51		S17	D	Chaparral, Narrowleaf, Fair	86	72	97	1.12	1.09	1.05	0.55	0.37	0.19	1.00	0.20	0.45	0.76	0.91	
	0.07		S17	A	Commercial, Industrial	32	17	52	0.06	0.06	0.06	0.06	0.06	0.05	0.10	0.40	0.00	0.00	0.00	
	7.31		S17	C	Commercial, Industrial	69	50	86	6.66	6.61	6.55	6.43	6.19	5.87	0.10	0.25	0.22	0.37	0.44	
	6.95		S17	D	Commercial, Industrial	75	57	91	6.40	6.36	6.30	6.19	5.96	5.64	0.10	0.20	0.21	0.35	0.42	
	0.08		S17	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.01	0.01	0.00	0.00	0.00	1.00	0.40	0.02	0.04	0.05	
	0.41		S17	B	Grass, Annual or Perennial, Fair	69	50	86	0.19	0.17	0.16	0.03	0.01	0.00	1.00	0.30	0.12	0.20	0.24	
	0.48		S17	C	Grass, Annual or Perennial, Fair	79	62	93	0.30	0.29	0.27	0.11	0.06	0.02	1.00	0.25	0.14	0.24	0.29	
	29.46		S17	D	Grass, Annual or Perennial, Fair	84	69	96	20.73	20.10	19.21	9.27	5.88	2.70	1.00	0.20	8.84	14.73	17.68	
	139.45		S17	A	Open Brush, Fair	46	28	66	20.84	17.50	13.37	0.00	0.00	0.00	1.00	0.40	41.84	69.73	83.67	
	11.51		S17	B	Open Brush, Fair	66	46	84	4.75	4.41	3.95	0.63	0.08	0.00	1.00	0.30	3.45	5.75	6.91	
	503.55		S17	C	Open Brush, Fair	77	59	92	294.65	281.38	262.90	94.03	45.90	10.22	1.00	0.25	151.06	251.77	302.13	
	92.80		S17	D	Open Brush, Fair	83	67	96	63.69	61.63	58.71	27.22	16.73	7.18	1.00	0.20	27.84	46.40	55.68	
	16.97		S17	A	Woodland, Grass, Fair	44	26	64	2.17	1.78	1.32	0.00	0.00	0.00	1.00	0.40	5.09	8.48	10.18	
	1.55		S17	B	Woodland, Grass, Fair	65	45	83	0.62	0.57	0.51	0.07	0.01	0.00	1.00	0.30	0.46	0.77	0.93	
	15.76		S17	C	Woodland, Grass, Fair	77	59	92	9.22	8.81	8.23	2.94	1.44	0.32	1.00	0.25	4.73	7.88	9.46	

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

[illegible]

RANCHO MISSION VIEJO																												
PA-3&4(Ultimate Conditions)																												
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																												
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	100	50	25	10			5	2							
						AMC		P ₂₄ (Inches)												AMC		HC						
						II	I	III	AMC/II											5.63	> 5					5		2
	2.82		S22	B	Chaparral, Broadleaf, Fair	63	43	81	1.04	0.95	0.84	0.09	0.00	0.00		1.00	0.30	0.84	1.41	1.69								
	393.29		S22	C	Chaparral, Broadleaf, Fair	75	57	91	217.31	206.54	191.64	62.18	27.37	3.99		1.00	0.25	117.99	196.64	235.97								
	179.87		S22	D	Chaparral, Broadleaf, Fair	81	64	95	117.29	113.01	106.98	45.45	26.06	9.45		1.00	0.20	53.96	89.94	107.92								
	0.08		S22	A	Chaparral, Narrowleaf, Fair	55	35	75	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.05								
	121.85		S22	C	Chaparral, Narrowleaf, Fair	81	64	95	79.46	76.56	72.47	30.79	17.65	6.40		1.00	0.25	36.56	60.93	73.11								
	144.00		S22	D	Chaparral, Narrowleaf, Fair	86	72	97	106.39	103.58	99.57	52.21	35.16	18.30		1.00	0.20	43.20	72.00	86.40								
	2.33		S22	B	Commercial, Industrial	56	36	76	2.08	2.06	2.04	2.01	1.94	1.85		0.10	0.30	0.07	0.12	0.14								
	2.24		S22	C	Commercial, Industrial	69	50	86	2.04	2.03	2.01	1.97	1.90	1.80		0.10	0.25	0.07	0.11	0.13								
	2.22		S22	D	Commercial, Industrial	75	57	91	2.04	2.03	2.01	1.98	1.90	1.80		0.10	0.20	0.07	0.11	0.13								
	4.94		S22	A	Grass, Annual or Perennial, Fair	50	31	70	0.97	0.84	0.67	0.00	0.00	0.00		1.00	0.40	1.48	2.47	2.97								
	15.92		S22	B	Grass, Annual or Perennial, Fair	69	50	86	7.29	6.83	6.19	1.34	0.34	0.00		1.00	0.30	4.78	7.96	9.55								
	56.74		S22	C	Grass, Annual or Perennial, Fair	79	62	93	35.09	33.66	31.66	12.33	6.55	1.92		1.00	0.25	17.02	28.37	34.05								
	301.98		S22	D	Grass, Annual or Perennial, Fair	84	69	96	212.50	206.05	196.89	95.00	60.25	27.70		1.00	0.20	90.59	150.99	181.19								
	42.78		S22	A	Open Brush, Fair	46	28	66	6.39	5.37	4.10	0.00	0.00	0.00		1.00	0.40	12.84	21.39	25.67								
	14.27		S22	B	Open Brush, Fair	66	46	84	5.89	5.47	4.89	0.78	0.10	0.00		1.00	0.30	4.28	7.13	8.56								
	483.19		S22	C	Open Brush, Fair	77	59	92	282.74	270.01	252.27	90.23	44.04	9.81		1.00	0.25	144.96	241.59	289.91								
	756.78		S22	D	Open Brush, Fair	83	67	96	519.41	502.61	478.78	221.94	136.46	58.56		1.00	0.20	227.03	378.39	454.07								
	4.36		S22	B	Public Park	56	36	76	1.64	1.53	1.39	1.16	0.83	0.60		0.85	0.30	1.11	1.85	2.22								
	55.87		S22	C	Public Park	69	50	86	29.81	28.38	26.44	23.13	17.44	11.95		0.85	0.25	14.25	23.75	28.50								
	83.63		S22	D	Public Park	75	57	91	51.33	49.34	46.58	41.73	32.91	23.52		0.85	0.20	21.33	35.54	42.65								
	1.75		S22	C	Residential 2 dwellings/acre	69	50	86	1.06	1.03	0.97	0.89	0.73	0.58		0.70	0.25	0.37	0.61	0.73								
	1.81		S22	D	Residential 2 dwellings/acre	75	57	91	1.22	1.18	1.13	1.04	0.88	0.70		0.70	0.20	0.38	0.63	0.76								
	34.00		S22	B	Residential 3-4 dwellings/acre	56	36	76	18.62	17.99	17.15	15.81	13.74	12.13		0.60	0.30	6.12	10.20	12.24								
	9.18		S22	C	Residential 3-4 dwellings/acre	69	50	86	6.05	5.88	5.64	5.22	4.50	3.77		0.60	0.25	1.65	2.75	3.30								
	87.11		S22	D	Residential 3-4 dwellings/acre	75	57	91	62.36	60.81	58.65	54.82	47.72	39.89		0.60	0.20	15.68	26.13	31.36								
	35.58		S22	B	Residential 5-7 dwellings/acre	56	36	76	21.94	21.36	20.60	19.37	17.43	15.81		0.50	0.30	5.34	8.90	10.67								
	115.58		S22	C	Residential 5-7 dwellings/acre	69	50	86	82.00	80.10	77.50	72.97	64.93	56.50		0.50	0.25	17.34	28.89	34.67								
	173.99		S22	D	Residential 5-7 dwellings/acre	75	57	91	131.67	128.98	125.23	118.55	106.07	91.96		0.50	0.20	26.10	43.50	52.20								
	18.54		S22	B	Turf, Good	58	38	77	5.54	5.00	4.29	3.15	1.45	0.26		1.00	0.30	5.56	9.27	11.12								
	96.29		S22	C	Turf, Good	72	53	89	48.59	45.84	42.07	35.55	24.12	12.74		1.00	0.25	28.89	48.14	57.77								
	50.29		S22	D	Turf, Good	79	62	93	31.10	29.83	28.06	24.89	18.94	12.31		1.00	0.20	15.09	25.15	30.18								
	0.24		S22	D	Turf, Good	79	62	93	0.15	0.14	0.13	0.12	0.09	0.06		1.00	0.20	0.07	0.12	0.14								
	6.37		S22	B	Water	98	95	100	6.12	6.10	6.06	6.00	5.85	5.61		0.00	0.30	0.00	0.00	0.00								
	13.17		S22	C	Water	98	95	100	12.66	12.61	12.54	12.41	12.10	11.62		0.00	0.25	0.00	0.00	0.00								
	4.04		S22	D	Water	98	95	100	3.89	3.87	3.85	3.81	3.71	3.57		0.00	0.20	0.00	0.00	0.00								
	111.58		S22	A	Woodland, Grass, Fair	44	26	64	14.24	11.73	8.66	0.00	0.00	0.00		1.00	0.40	33.47	55.79	66.95								
	10.81		S22	B	Woodland, Grass, Fair	65	45	83	4.30	3.98	3.54	0.50	0.05	0.00		1.00	0.30	3.24	5.40	6.48								
	116.11		S22	C	Woodland, Grass, Fair	77	59	92	67.94	64.88	60.62	21.68	10.58	2.36		1.00	0.25	34.83	58.05	69.66								
	182.56		S22	D	Woodland, Grass, Fair	82	66	95	122.16	117.95	112.01	49.77	29.59	11.74		1.00	0.20	54.77	91.28	109.54								
	9.49		S23	A	Chaparral, Broadleaf, Fair	40	23	60	0.83	0.65	0.43	0.00	0.00	0.00		1.00	0.40	2.85	4.75	5.69								
	40.94		S23	C	Chaparral, Broadleaf, Fair	75	57	91	22.62	21.50	19.95	6.47	2.85	0.42		1.00	0.25	12.28	20.47	24.56								
	3.64		S23	D	Chaparral, Broadleaf, Fair	81	64	95	2.37	2.29	2.16	0.92	0.53	0.19		1.00	0.20	1.09	1.82	2.18								
	4.78		S23	A	Grass, Annual or Perennial, Fair	50	31	70	0.94	0.81	0.65	0.00	0.00	0.00		1.00	0.40	1.43	2.39	2.87								
	3.71		S23	B	Grass, Annual or Perennial, Fair	69	50	86	1.70	1.59	1.44	0.31	0.08	0.00		1.00	0.30	1.11	1.85	2.22								
	67.78		S23	C	Grass, Annual or Perennial, Fair	79	62	93	41.91	40.20	37.81	14.73	7.82	2.30		1.00	0.25	20.33	33.89	40.67								
	228.76		S23	D	Grass, Annual or Perennial, Fair	84	69	96	160.97	156.09	149.15	71.96	45.64	20.98		1.00	0.20	68.63	114.38	137.25								
	16.32		S23	A	Open Brush, Fair	46	28	66	2.44	2.05	1.56	0.00	0.00	0.00		1.00	0.40	4.90	8.16	9.79								
	27.24		S23	B	Open Brush, Fair	66	46	84	11.25	10.43	9.34	1.49	0.20	0.00		1.00	0.30	8.17	13.62	16.35								
	492.24		S23	C	Open Brush, Fair	77	59	92	288.04	275.07	256.99	91.92	44.86	9.99		1.00	0.25	147.67	246.12	295.34								
	351.19		S23	D	Open Brush, Fair	83	67	96	241.04	233.24	222.18	102.99	63.32	27.17		1.00	0.20	105.36	175.59	210.71								
	0.08		S23	D	Public Park	75	57	91	0.05	0.04	0.04	0.04	0.03	0.02		0.85	0.20	0.02	0.03	0.04								
	1.08		S23	C	Residential 3-4 dwellings/acre	69																						

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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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)												5.63	Storm Event (Year)						
							EV													HC	EV					HC
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							AMC						P ₂₄ (Inches)													
							AMC 1/AMCII																			
							II	I	III																	
	0.4	OF-15	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01		1.00	0.25	0.12	0.20	0.24						
	1.0	OF-15	S26.2	D	Open Brush, Fair	83	67	96	0.69	0.66	0.63	0.29	0.18	0.08		1.00	0.20	0.30	0.50	0.60						
	0.1	OF-16	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06						
	0.4	OF-16	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01		1.00	0.25	0.12	0.20	0.24						
	0.6	OF-16	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.36	0.33	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36						
	0.7	OF-16	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.49	0.48	0.46	0.22	0.14	0.06		1.00	0.20	0.21	0.35	0.42						
	0.6	OF-17	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03		1.00	0.20	0.18	0.30	0.36						
	1.5	OF-17	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.06	1.02	0.98	0.47	0.30	0.14		1.00	0.20	0.45	0.75	0.90						
	1.7	OF-17	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.05	1.01	0.95	0.37	0.20	0.06		1.00	0.25	0.51	0.85	1.02						
	3.4	OF-17	S26.2	C	Open Brush, Fair	77	59	92	1.99	1.90	1.78	0.63	0.31	0.07		1.00	0.25	1.02	1.70	2.04						
	7.2	OF-17	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.98	3.78	3.51	1.14	0.50	0.07		1.00	0.25	2.16	3.60	4.32						
	0.1	OF-18	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06						
	0.1	OF-18	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06						
	0.6	OF-18	S26.2	B	Open Brush, Fair	66	46	84	0.25	0.23	0.21	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	2.1	OF-18	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.30	1.25	1.17	0.46	0.24	0.07		1.00	0.25	0.63	1.05	1.26						
	8.9	OF-18	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	4.92	4.67	4.34	1.41	0.62	0.09		1.00	0.25	2.67	4.45	5.34						
	14.8	OF-18	S26.2	C	Open Brush, Fair	77	59	92	8.66	8.27	7.73	2.76	1.35	0.30		1.00	0.25	4.44	7.40	8.88						
	0.1	OF-19	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06						
	0.4	OF-19	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24						
	0.4	OF-19	S26.2	D	Open Brush, Fair	83	67	96	0.27	0.27	0.25	0.12	0.07	0.03		1.00	0.20	0.12	0.20	0.24						
	2.9	OF-19	S26.2	B	Open Brush, Fair	66	46	84	1.20	1.11	0.99	0.16	0.02	0.00		1.00	0.30	0.87	1.45	1.74						
	5.2	OF-19	S26.2	C	Open Brush, Fair	77	59	92	3.04	2.91	2.71	0.97	0.47	0.11		1.00	0.25	1.56	2.60	3.12						
	9.5	OF-19	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.25	4.99	4.63	1.50	0.66	0.10		1.00	0.25	2.85	4.75	5.70						
	1.0	OF-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.16	0.07	0.01		1.00	0.25	0.30	0.50	0.60						
	0.6	OF-2	S26.2	C	Open Brush, Fair	77	59	92	0.35	0.34	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36						
	2.3	OF-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.50	1.45	1.37	0.58	0.33	0.12		1.00	0.20	0.69	1.15	1.38						
	1.0	OF-2	S26.2	D	Open Brush, Fair	83	67	96	0.69	0.66	0.63	0.29	0.18	0.08		1.00	0.20	0.30	0.50	0.60						
	0.2	OF-20	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12						
	0.5	OF-20	S26.2	B	Woodland, Grass, Fair	65	45	83	0.20	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30						
	1.2	OF-20	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.74	0.71	0.67	0.26	0.14	0.04		1.00	0.25	0.36	0.60	0.72						
	3.6	OF-20	S26.2	C	Woodland, Grass, Fair	77	59	92	2.11	2.01	1.88	0.67	0.33	0.07		1.00	0.25	1.08	1.80	2.16						
	3.8	OF-20	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.74	1.63	1.48	0.32	0.08	0.00		1.00	0.30	1.14	1.90	2.28						
	6.1	OF-20	S26.2	B	Open Brush, Fair	66	46	84	2.52	2.34	2.09	0.33	0.04	0.00		1.00	0.30	1.83	3.05	3.66						
	14.3	OF-20	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	7.90	7.51	6.97	2.26	0.99	0.15		1.00	0.25	4.29	7.15	8.58						
	21.6	OF-20	S26.2	C	Open Brush, Fair	77	59	92	12.64	12.07	11.28	4.03	1.97	0.44		1.00	0.25	6.48	10.80	12.96						
	0.3	OF-21	S26.2	D	Open Brush, Fair	83	67	96	0.21	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18						
	0.3	OF-21	S26.2	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18						
	0.6	OF-21	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03		1.00	0.20	0.18	0.30	0.36						
	2.3	OF-21	S26.2	C	Woodland, Grass, Fair	77	59	92	1.35	1.29	1.20	0.43	0.21	0.05		1.00	0.25	0.69	1.15	1.38						
	3.2	OF-21	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.77	1.68	1.56	0.51	0.22	0.03		1.00	0.25	0.96	1.60	1.92						
	0.1	OF-3	S26.2	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06						
	4.6	OF-3	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.54	2.42	2.24	0.73	0.32	0.05		1.00	0.25	1.38	2.30	2.76						
	4.0	OF-3	S26.2	C	Open Brush, Fair	77	59	92	2.34	2.24	2.09	0.75	0.36	0.08		1.00	0.25	1.20	2.00	2.40						
	0.6	OF-3	S26.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.34	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36						
	2.7	OF-3	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.76	1.70	1.61	0.68	0.39	0.14		1.00	0.20	0.81	1.35	1.62						
	5.1	OF-3	S26.2	D	Open Brush, Fair	83	67	96	3.50	3.39	3.23	1.50	0.92	0.39		1.00	0.20	1.53	2.55	3.06						
	0.2	OF-4	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12						
	0.7	OF-4	S26.2	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.21	0.13	0.05		1.00	0.20	0.21	0.35	0.42						
	0.2	OF-5	S26.2	D	Woodland, Grass, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12						
	1.0	OF-5	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.16	0.07	0.01		1.00	0.25	0.30	0.50	0.60						
	1.4	OF-5	S26.2	C	Open Brush, Fair	77	59	92	0.82	0.78	0.73	0.26	0.13	0.03		1.00	0.25	0.42	0.70	0.84						
	4.4	OF-5	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.87	2.76	2.62	1.11	0.64	0.23		1.00	0.20	1.32	2.20	2.64						
	6.7	OF-5	S26.2	D	Open Brush, Fair	83	67	96	4.60	4.45	4.24	1.96	1.21	0.52		1.00	0.20	2.01	3.35	4.02						
	0.7	OF-6	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.46	0.44	0.42	0.18	0.10	0.04		1.00	0.20	0.21	0.35	0.42						
	1.4	OF-6	S26.2	D	Woodland, Grass, Fair	82	66	95	0.94	0.90	0.86	0.38	0.23	0.09		1.00	0.20	0.42	0.70	0.84						
	5.4	OF-6	S26.2	D	Open Brush, Fair	83	67	96	3.71	3.59	3.42	1.58	0.97	0.42		1.00	0.20	1.62	2.70	3.24						
	0.6	OF-7	S26.2	B	Woodland, Grass, Fair	65	45	83	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	0.8	OF-7	S26.2	C	Woodland, Grass, Fair	77	59	92	0.47	0.45	0.42	0.15	0.07	0.02		1.00	0.25	0.24	0.40	0.48						
	0.8	OF-7	S26.2	B	Open Brush, Fair	66	46	84	0.33	0.31	0.27	0.04	0.01	0.00		1.00	0.30	0.24	0.40	0.48						
	1.1	OF-7	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.41	0.37	0.33	0.04	0.00	0.00		1.00	0.30	0.33	0.55	0.66						

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCII								
	0.9	OF-8	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.41	0.39	0.35	0.08	0.02	0.00		1.00	0.30	0.27	0.45	0.54			
	3.8	OF-8	S26.2	D	Open Brush, Fair	83	67	96	2.61	2.52	2.40	1.11	0.69	0.29		1.00	0.20	1.14	1.90	2.28			
	4.2	OF-8	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.74	2.64	2.50	1.06	0.61	0.22		1.00	0.20	1.26	2.10	2.52			
	5.1	OF-8	S26.2	C	Woodland, Grass, Fair	77	59	92	2.98	2.85	2.66	0.95	0.46	0.10		1.00	0.25	1.53	2.55	3.06			
	7.0	OF-8	S26.2	C	Open Brush, Fair	77	59	92	4.10	3.91	3.65	1.31	0.64	0.14		1.00	0.25	2.10	3.50	4.20			
	12.0	OF-8	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	6.63	6.30	5.85	1.90	0.83	0.12		1.00	0.25	6.60	6.00	7.20			
	0.5	OF-9	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.35	0.34	0.33	0.16	0.10	0.05		1.00	0.20	0.15	0.25	0.30			
	0.7	OF-9	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.26	0.24	0.21	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	2.3	OF-9	S26.2	C	Woodland, Grass, Fair	77	59	92	1.35	1.29	1.20	0.43	0.21	0.05		1.00	0.25	0.69	1.15	1.38			
	2.4	OF-9	S26.2	B	Open Brush, Fair	66	46	84	0.99	0.92	0.82	0.13	0.02	0.00		1.00	0.30	0.72	1.20	1.44			
	2.5	OF-9	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.15	1.07	0.97	0.21	0.05	0.00		1.00	0.30	0.75	1.25	1.50			
	3.2	OF-9	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.98	1.90	1.79	0.70	0.37	0.11		1.00	0.25	0.96	1.60	1.92			
	7.4	OF-9	S26.2	D	Woodland, Grass, Fair	82	66	95	4.95	4.78	4.54	2.02	1.20	0.48		1.00	0.20	2.22	3.70	4.44			
	12.4	OF-9	S26.2	C	Open Brush, Fair	77	59	92	7.26	6.93	6.47	2.32	1.13	0.25		1.00	0.25	3.72	6.20	7.44			
	28.2	OF-9	S26.2	D	Open Brush, Fair	83	67	96	19.35	18.73	17.84	8.27	5.08	2.18		1.00	0.20	8.46	14.10	16.92			
	31.4	OF-9	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	20.47	19.73	18.68	7.93	4.55	1.65		1.00	0.20	9.42	15.70	18.84			
	42.4	OF-9	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	23.43	22.27	20.66	6.70	2.95	0.43		1.00	0.25	12.72	21.20	25.44			
	0.8	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.47	0.45	0.42	0.15	0.07	0.02		1.00	0.25	0.24	0.40	0.48			
	2.9	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.70	1.62	1.51	0.54	0.26	0.06		1.00	0.25	0.87	1.45	1.74			
	14.8	O-3	S26.3	C	Open Brush, Fair	77	59	92	8.66	8.27	7.73	2.76	1.35	0.30		1.00	0.25	4.44	7.40	8.88			
	0.2	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.03		0.90	0.25	0.05	0.09	0.11			
	0.1	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	11.7	O-4	S26.3	C	Open Brush, Fair	77	59	92	6.85	6.54	6.11	2.18	1.07	0.24		1.00	0.25	3.51	5.85	7.02			
	1.9	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	0.97	0.92	0.85	0.73	0.53	0.33		0.90	0.25	0.51	0.86	1.03			
	0.1	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.3	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	2.3	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.78	0.72	0.65	0.52	0.34	0.22		0.90	0.30	0.62	1.04	1.24			
	0.6	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	1	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.16	0.07	0.01		1.00	0.25	0.30	0.50	0.60			
	8.2	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.80	4.58	4.28	1.53	0.75	0.17		1.00	0.25	2.46	4.10	4.92			
	6.2	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	3.15	2.99	2.76	2.37	1.71	1.08		0.90	0.25	1.67	2.79	3.35			
	0.20	26.3-1	S26.3	A	Open Brush, Fair	46	28	66	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	0.20	26.3-1	S26.3	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.50	26.3-1	S26.3	B	Woodland, Grass, Fair	65	45	83	0.20	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	0.90	26.3-1	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.50	0.47	0.44	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54			
	0.50	26.3-1	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.30	0.28	0.11	0.06	0.02		1.00	0.25	0.15	0.25	0.30			
	11.50	26.3-1	S26.3	C	Open Brush, Fair	77	59	92	6.73	6.43	6.00	2.15	1.05	0.23		1.00	0.25	3.45	5.75	6.90			
	0.30	26.3-1	S26.3	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.20	26.3-2	S26.3	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	1.30	26.3-2	S26.3	C	Open Brush, Fair	77	59	92	0.76	0.73	0.68	0.24	0.12	0.03		1.00	0.25	0.39	0.65	0.78			
	1.3	26.3-2	S26.3	A	Public Park	32	17	52	0.21	0.20	0.19	0.18	0.18	0.17		0.85	0.40	0.33	0.55	0.66			
	1.4	26.3-2	S26.3	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40	0.04	0.07	0.08			
	1.7	26.3-2	S26.3	A	Residential 2.5 acre lots	32	17	52	0.20	0.18	0.17	0.16	0.16	0.15		0.90	0.40	0.46	0.77	0.92			
	12.4	26.3-2	S26.3	A	Open Brush, Fair	46	28	66	1.85	1.56	1.19	0.00	0.00	0.00		1.00	0.40	3.72	6.20	7.44			
	26.9	26.3-2	S26.3	A	Woodland, Grass, Fair	44	26	64	3.43	2.83	2.09	0.00	0.00	0.00		1.00	0.40	8.07	13.45	16.14			
	0.5	26.3-3	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.31	0.30	0.13	0.07	0.03		1.00	0.20	0.15	0.25	0.30			
	0.4	26.3-3	S26.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	0.4	26.3-3	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.22	0.21	0.19	0.06	0.03	0.00		1.00	0.25	0.12	0.20	0.24			
	0.6	26.3-3	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.36	0.33	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	C	Public Park	69	50	86	0.37	0.36	0.33	0.29	0.22	0.15		0.85	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	D	Chaparral, Narrowleaf, Fair	86	72	97	0.52	0.50	0.48	0.25	0.17	0.09		1.00	0.20	0.21	0.35	0.42			
	1.0	26.3-3	S26.3	D	Open Brush, Fair	83	67	96	0.69	0.66	0.63	0.29	0.18	0.08		1.00	0.20	0.30	0.50	0.60			
	1.2	26.3-3	S26.3	A	Open Brush, Fair	46	28	66	0.18	0.15	0.12	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	1.7	26.3-3	S26.3	D	Residential 2.5 acre lots	75	57	91	1.01	0.97	0.91	0.80	0.62	0.42		0.90	0.20	0.46	0.77	0.92			
	1.9	26.3-3	S26.3	C	Open Brush, Fair	77	59	92	1.11	1.06	0.99	0.35	0.17	0.04		1.00	0.25	0.57	0.95	1.14			
	2.1	26.3-3	S26.3	C	Residential 2.5 acre lots	69	50	86	1.07	1.01	0.93	0.80	0.58	0.37		0.90	0.25	0.57	0.95	1.13			
	2.9	26.3-3	S26.3	C	Chaparral, Narrowleaf, Fair	81	64	95	1.89	1.82	1.72	0.73	0.42	0.15		1.00	0.25	0.87	1.45	1.74			
	5.6	26.3-3	S26.3	C	Woodland, Grass, Fair	77	59	92	3.28	3.13	2.92	1.05	0.51	0.11		1.00	0.25	1.68	2.80	3.36			
	9.0	26.3-3	S26.3	A	Woodland, Grass, Fair	44	26	64	1.15	0.95	0.70	0.00	0.00	0.00		1.00	0.40	2.70	4.50	5.40			
	0.5	26.3-5	S26.3	B	Row Crops, Poor	81	64	95	0.33	0.31	0.30	0.13	0.07	0.03		1.00	0.30	0.15	0.25	0.30			
	0.7	26.3-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.28	0.26	0.23	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	1.3	26.3-5	S26.3	D	Public Park	75	57	91	0.80	0.77	0.72	0.65	0.51	0.37		0.85	0.20	0.33	0.55	0.66			
	1.3	26.3-5	S26.3	A	Residential 2.5 acre lots	32	17	52	0.15	0.14	0.13	0.12	0.12	0.11		0.90	0.40	0.35	0.59	0.70			
	1.9	26.3-5	S26.3	A	Row Crops, Poor	72	53	89	0.96	0.90	0.83	0.23	0.08	0.00		1.00	0.40	0.57	0.95	1.14			
	2.1	26.3-5	S26.3	C	Public Park	69	50	86	1.12	1.07	0.99	0.87	0.66	0.45		0.85	0.25	0.54	0.89	1.07			
	3.2	26.3-5	S26.3	A	Open Brush, Fair	46	28	66	0.48	0.40	0.31	0.00	0.00	0.00		1.00	0.40	0.96	1.60	1.92			
	3.5	26.3-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.45	0.37	0.27	0.00	0.00	0.00		1.00	0.40	1.05	1.75	2.10			
	6.1	26.3-5	S26.3	A																			

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100														
						AMC			P ₂₄ (Inches)																	
						II	I	III	AMC 1/AMCII										5.63							
	0.4	26.3-6	S26.3	D	Public Park	75	57	91	0.25	0.24	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20						
	0.6	26.3-6	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03		1.00	0.20	0.18	0.30	0.36						
	1.1	26.3-6	S26.3	A	Commercial, Industrial	32	17	52	0.95	0.95	0.94	0.93	0.91	0.87		0.10	0.40	0.03	0.06	0.07						
	0.8	26.3-6	S26.3	A	Public Park	32	17	52	0.13	0.12	0.12	0.11	0.11	0.11		0.85	0.40	0.20	0.34	0.41						
	0.8	26.3-6	S26.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.16	0.14	0.11	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48						
	0.9	26.3-6	S26.3	B	Woodland, Grass, Fair	65	45	83	0.36	0.33	0.30	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54						
	1.5	26.3-6	S26.3	A	Row Crops, Poor	72	53	89	0.76	0.71	0.66	0.18	0.06	0.00		1.00	0.40	0.45	0.75	0.90						
	1.6	26.3-6	S26.3	C	Open Brush, Fair	77	59	92	0.94	0.89	0.84	0.30	0.15	0.03		1.00	0.25	0.48	0.80	0.96						
	1.8	26.3-6	S26.3	D	Open Brush, Fair	83	67	96	1.24	1.20	1.14	0.53	0.32	0.14		1.00	0.20	0.54	0.90	1.08						
	1.9	26.3-6	S26.3	C	Woodland, Grass, Fair	77	59	92	1.11	1.06	0.99	0.35	0.17	0.04		1.00	0.25	0.57	0.95	1.14						
	3.3	26.3-6	S26.3	B	Open Brush, Fair	66	46	84	1.36	1.26	1.13	0.18	0.02	0.00		1.00	0.30	0.99	1.65	1.98						
	3.7	26.3-6	S26.3	C	Public Park	69	50	86	1.97	1.88	1.75	1.53	1.16	0.79		0.85	0.25	0.94	1.57	1.89						
	3.9	26.3-6	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	2.15	2.05	1.90	0.62	0.27	0.04		1.00	0.25	1.17	1.95	2.34						
	5.9	26.3-6	S26.3	B	Public Park	56	36	76	2.21	2.07	1.88	1.57	1.12	0.82		0.85	0.30	1.50	2.51	3.01						
	9.1	26.3-6	S26.3	A	Woodland, Grass, Fair	44	26	64	1.16	0.96	0.71	0.00	0.00	0.00		1.00	0.40	2.73	4.55	5.46						
	20.6	26.3-6	S26.3	A	Open Brush, Fair	46	28	66	3.08	2.59	1.97	0.00	0.00	0.00		1.00	0.40	6.18	10.30	12.36						
	1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.41	1.39	1.37	1.34	1.27	1.18		0.20	0.20	0.10	0.16	0.19						
	0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01						
	1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.95	0.94	0.92	0.90	0.85	0.80		0.20	0.25	0.07	0.11	0.13						
	0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02						
	1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.37	1.36	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09						
	0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01						
	0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.60	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08						
	0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.44	0.44	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06						
	1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.73	1.72	1.70	1.67	1.61	1.53		0.10	0.25	0.06	0.10	0.11						
	2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.30	2.29	2.26	2.22	2.14	2.03		0.10	0.20	0.08	0.13	0.15						
	0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10						
	0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.62	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08						
	0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	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	0.09	0.08		0.10	0.20	0.00	0.01	0.01						
	0.2	C1-13	S27.2	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10						
	6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.25	5.20	5.12	4.99	4.73	4.42		0.20	0.25	0.37	0.61	0.73						
	6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.36	5.31	5.24	5.11	4.85	4.52		0.20	0.20	0.37	0.61	0.73						
	1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.50	1.44	1.37		0.10	0.25	0.05	0.09	0.10						
	1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.11	1.05		0.10	0.20	0.04	0.07	0.08						
	3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.58	2.56	2.52	2.45	2.33	2.17		0.20	0.25	0.18	0.30	0.36						
	2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.85	1.83	1.80	1.76	1.67	1.55		0.20	0.20	0.13	0.21	0.25						
	3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.63	2.56	2.48	2.34	2.08	1.81		0.50	0.25	0.56	0.93	1.11						
	6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.54	4.45	4.32	4.09	3.66	3.17		0.50	0.20	0.90	1.50	1.80						
	0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.34	0.34	0.34	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05						
	0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16						
	6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.82	4.71	4.56	4.29	3.82	3.32		0.50	0.25	1.02	1.70	2.04						
	19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.45	14.16	13.75	13.01	11.64	10.09		0.50	0.20	2.87	4.78	5.73						
	0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02						
	0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01						
	0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.36	0.34	0.31	0.27	0.19	0.12		0.90	0.25	0.19	0.32	0.38						
	8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.31	6.17	5.97	5.62	5.00	4.35		0.50	0.25	1.34	2.23	2.67						
	7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.60	5.49	5.33	5.04	4.51	3.91		0.50	0.20	1.11	1.85	2.22						
	0.1	C1-17	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01						
	1.4	C1-17	S27.2	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40	0.04	0.07	0.08						
	4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.28	4.25	4.21	4.14	4.00	3.81		0.10	0.30	0.14	0.24	0.29						
	5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.55	4.52	4.48	4.40	4.24	4.02		0.10	0.25	0.15	0.25	0.30						
	3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.17	3.00		0.10	0.20	0.11	0.19	0.22						
	5.0	C1-17	S27.2	D	Public Park	75	57	91	3.07	2.95	2.79	2.49	1.97	1.41		0.85	0.20	1.28	2.13	2.55						
	4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.44	3.41	3.36	3.27	3.10	2.90		0.20	0.25	0.24	0.40	0.48						
	12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.17	11.06	10.91	10.64	10.09	9.40		0.20	0.20	0.76	1.27	1.52						
	1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.37	0.35	0.31	0.25	0.16	0.10		0.90	0.30	0.30	0.50	0.59						
	1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.76	0.72	0.67	0.57	0.41	0.26		0.90	0.25	0.41	0.68	0.81						
	2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.48	1.42	1.33	1.18	0.91	0.61		0.90	0.20	0.68	1.13	1.35						
	0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03						
	4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.19	3.12	3.02	2.84	2.53	2.20		0.50	0.25	0.68	1.13	1.35						
	1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	1.06	1.04	1															

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III					AMC 1/AMCII	5.63									
	0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	0.7	C1-21	S27.2	C	School	69	50	86	0.46	0.45	0.43	0.40	0.34	0.29		0.60	0.25	0.13	0.21	0.25			
	0.1	C1-22	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
	2.0	C1-22	S27.2	C	Public Park	69	50	86	1.07	1.02	0.95	0.83	0.62	0.43		0.85	0.25	0.51	0.85	1.02			
	2.1	C1-22	S27.2	D	Public Park	75	57	91	1.29	1.24	1.17	1.05	0.83	0.59		0.85	0.20	0.54	0.89	1.07			
	5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.82	4.77	4.70	4.58	4.34	4.06		0.20	0.25	0.34	0.56	0.67			
	0.9	C1-22	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.72	0.67		0.20	0.20	0.05	0.09	0.11			
	3.1	C1-22	S27.2	C	School	69	50	86	2.04	1.98	1.90	1.76	1.52	1.27		0.60	0.25	0.56	0.93	1.12			
	0.3	C1-22	S27.2	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11			
	1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	1.00	1.00	0.99	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07			
	1.1	C1-23	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	3.1	C1-23	S27.2	C	Public Park	69	50	86	1.65	1.57	1.47	1.28	0.97	0.66		0.85	0.25	0.79	1.32	1.58			
	2.6	C1-23	S27.2	D	Public Park	75	57	91	1.60	1.53	1.45	1.30	1.02	0.73		0.85	0.20	0.66	1.11	1.33			
	4.8	C1-23	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.13	4.09	4.03	3.93	3.72	3.48		0.20	0.25	0.29	0.48	0.58			
	3.4	C1-23	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.99	2.96	2.92	2.85	2.70	2.52		0.20	0.20	0.20	0.34	0.41			
	3.1	C1-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.67	2.64	2.60	2.53	2.40	2.25		0.20	0.25	0.19	0.31	0.37			
	5.0	C1-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	4.40	4.36	4.30	4.19	3.97	3.70		0.20	0.20	0.30	0.50	0.60			
	0.2	C1-24	S27.2	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.03		0.90	0.25	0.05	0.09	0.11			
	1.2	C1-24	S27.2	D	Residential 2.5 acre lots	75	57	91	0.71	0.68	0.64	0.57	0.44	0.30		0.90	0.20	0.32	0.54	0.65			
	13.9	C1-24	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	9.86	9.63	9.32	8.78	7.81	6.80		0.50	0.25	2.09	3.48	4.17			
	18.6	C1-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.08	13.79	13.39	12.67	11.34	9.83		0.50	0.20	2.79	4.65	5.58			
	1.0	C1-25	S27.2	B	Commercial, Industrial	56	36	76	0.89	0.89	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06			
	6.1	C1-25	S27.2	C	Commercial, Industrial	69	50	86	5.56	5.52	5.47	5.37	5.17	4.90		0.10	0.25	0.18	0.31	0.37			
	12.9	C1-25	S27.2	D	Commercial, Industrial	75	57	91	11.87	11.79	11.68	11.48	11.05	10.46		0.10	0.20	0.39	0.65	0.77			
	0.3	C1-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
	0.9	C1-25	S27.2	B	Residential 2.5 acre lots	56	36	76	0.31	0.28	0.25	0.20	0.13	0.08		0.90	0.30	0.24	0.41	0.49			
	12.8	C1-25	S27.2	C	Residential 2.5 acre lots	69	50	86	6.51	6.16	5.70	4.90	3.54	2.24		0.90	0.25	3.46	5.76	6.91			
	23.2	C1-25	S27.2	D	Residential 2.5 acre lots	75	57	91	13.77	13.19	12.38	10.97	8.41	5.71		0.90	0.20	6.26	10.44	12.53			
	0.3	C1-25	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09			
	0.3	C1-25	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	4.8	C1-26	S27.2	C	Commercial, Industrial	69	50	86	4.37	4.34	4.30	4.22	4.07	3.86		0.10	0.25	0.14	0.24	0.29			
	4.8	C1-26	S27.2	D	Commercial, Industrial	75	57	91	4.42	4.39	4.35	4.27	4.11	3.89		0.10	0.20	0.14	0.24	0.29			
	0.1	C1-26	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	6.3	C1-26	S27.2	D	Public Park	75	57	91	3.87	3.72	3.51	3.14	2.48	1.77		0.85	0.20	1.61	2.68	3.21			
	5.0	C1-26	S27.2	B	Residential 10+ dwellings/acre	56	36	76	4.12	4.07	4.01	3.91	3.73	3.53		0.20	0.30	0.30	0.50	0.60			
	43.3	C1-26	S27.2	C	Residential 10+ dwellings/acre	69	50	86	37.26	36.88	36.35	35.41	33.59	31.38		0.20	0.25	2.60	4.33	5.20			
	38.7	C1-26	S27.2	D	Residential 10+ dwellings/acre	75	57	91	34.03	33.71	33.25	32.42	30.76	28.66		0.20	0.20	2.32	3.87	4.64			
	2.3	C1-26	S27.2	C	Residential 2.5 acre lots	69	50	86	1.17	1.11	1.02	0.88	0.64	0.40		0.90	0.25	0.62	1.04	1.24			
	3.6	C1-26	S27.2	D	Residential 2.5 acre lots	75	57	91	2.14	2.05	1.92	1.70	1.31	0.89		0.90	0.20	0.97	1.62	1.94			
	0.5	C1-27	S27.2	A	Apartments	32	17	52	0.39	0.38	0.38	0.38	0.37	0.35		0.20	0.40	0.03	0.05	0.06			
	14.8	C1-27	S27.2	B	Apartments	56	36	76	12.18	12.06	11.88	11.59	11.06	10.46		0.20	0.30	0.89	1.48	1.78			
	1.9	C1-27	S27.2	C	Apartments	69	50	86	1.63	1.62	1.60	1.55	1.47	1.38		0.20	0.25	0.11	0.19	0.23			
	9.9	C1-27	S27.2	D	Apartments	75	57	91	8.71	8.62	8.51	8.29	7.87	7.33		0.20	0.20	0.59	0.99	1.19			
	1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.56	1.55	1.54	1.53	1.49	1.43		0.10	0.40	0.05	0.09	0.11			
	8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.49	7.44	7.37	7.24	6.99	6.67		0.10	0.30	0.25	0.42	0.50			
	7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.92	6.88	6.81	6.69	6.44	6.10		0.10	0.25	0.23	0.38	0.46			
	14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.88	12.80	12.68	12.46	11.99	11.36		0.10	0.20	0.42	0.70	0.84			
	1.4	C1-27	S27.2	C	Public Park	69	50	86	0.75	0.71	0.66	0.58	0.44	0.30		0.85	0.25	0.36	0.60	0.71			
	0.3	C1-27	S27.2	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15			
	0.2	C1-27	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.15	0.15	0.15	0.15	0.15	0.14		0.20	0.40	0.01	0.02	0.02			
	0.3	C1-27	S27.2	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.23	0.22	0.21		0.20	0.30	0.02	0.03	0.04			
	12.2	C1-27	S27.2	C	Residential 10+ dwellings/acre	69	50	86	10.50	10.39	10.24	9.98	9.46	8.84		0.20	0.25	0.73	1.22	1.46			
	17.6	C1-27	S27.2	D	Residential 10+ dwellings/acre	75	57	91	15.48	15.33	15.12	14.74	13.99	13.03		0.20	0.20	1.06	1.76	2.11			
	0.3	C1-27	S27.2	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16			
	0.9	C1-27	S27.2	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.40	0.34	0.25	0.16		0.90	0.25	0.24	0.41	0.49			
	9.3	C1-27	S27.2	D	Residential 2.5 acre lots	75	57	91	5.52	5.29	4.96	4.40	3.37	2.29		0.90	0.20	2.51	4.19	5.02			
	0.2	C1-27	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06			
	5.3	C1-27	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.76	3.67	3.55	3.35	2.98	2.59		0.50	0.25	0.80	1.33	1.59			
	28.3	C1-27	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	21.42	20.98	20.37	19.28	17.25	14.96		0.50	0.20	4.25	7.08	8.49			
	3.8	C1-27	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	2.89	2.83	2.76	2.64	2.41	2.16		0.40	0.25	0.46	0.76	0.91			
	4.1	C1-27	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	3.27	3.22	3.14	3.01	2.75										

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100	Storm Event (Year)										
						AMC			P ₂₄ (Inches)					5.63		EV			HC				
						II	I	III	AMC 1/AMCI							5			2	All			

	17.5	C1-30	S27.2	A	Apartments	32	17	52	13.54	13.45	13.35	13.19	12.86	12.34		0.20	0.40	1.05	1.75	2.10	
	1.5	C1-30	S27.2	B	Apartments	56	36	76	1.23	1.22	1.20	1.17	1.12	1.06		0.20	0.30	0.09	0.15	0.18	
	0.7	C1-30	S27.2	C	Apartments	69	50	86	0.60	0.60	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08	
	0.1	C1-30	S27.2	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.06	
	44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.68	38.50	38.24	37.81	36.86	35.39		0.10	0.40	1.34	2.23	2.68	
	0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.56		0.10	0.30	0.02	0.04	0.04	
	2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.82	1.81	1.79	1.76	1.69	1.61		0.10	0.25	0.06	0.10	0.12	
	4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.77	3.75	3.71	3.65	3.51	3.33		0.10	0.20	0.12	0.21	0.25	
	0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.64	2.62	2.60	2.55	2.46	2.33		0.10	0.25	0.09	0.15	0.17	
	4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.14	4.11	4.08	4.00	3.85	3.65		0.10	0.20	0.14	0.23	0.27	
	5.7	C1-4	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.90	4.85	4.79	4.66	4.42	4.13		0.20	0.25	0.34	0.57	0.68	
	2.4	C1-4	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.11	2.09	2.06	2.01	1.91	1.78		0.20	0.20	0.14	0.24	0.29	
	0.5	C1-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.38	0.37	0.36	0.35	0.32	0.28		0.40	0.25	0.06	0.10	0.12	
	5.7	C1-4	S27.2	C	School	69	50	86	3.76	3.65	3.50	3.24	2.80	2.34		0.60	0.25	1.03	1.71	2.05	
	6.7	C1-4	S27.2	D	School	75	57	91	4.80	4.68	4.51	4.22	3.67	3.07		0.60	0.20	1.21	2.01	2.41	
	0.1	C1-4	S27.2	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.91	0.90	0.90	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06	
	0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.83	0.82	0.82	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05	
	0.6	C1-5	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.47	0.43		0.20	0.25	0.04	0.06	0.07	
	0.1	C1-5	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
	0.1	C1-5	S27.2	C	School	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04	
	0.5	C1-5	S27.2	D	School	75	57	91	0.36	0.35	0.34	0.31	0.27	0.23		0.60	0.20	0.09	0.15	0.18	
	1.7	C1-6	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.50	1.44	1.37		0.10	0.25	0.05	0.09	0.10	
	4.4	C1-6	S27.2	D	Commercial, Industrial	75	57	91	4.05	4.02	3.99	3.92	3.77	3.57		0.10	0.20	0.13	0.22	0.26	
	0.6	C1-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.47	0.43		0.20	0.25	0.04	0.06	0.07	
	1.3	C1-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.12	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16	
	2.8	C1-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.85	1.79	1.72	1.59	1.37	1.15		0.60	0.25	0.50	0.84	1.01	
	7.1	C1-6	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	5.08	4.96	4.78	4.47	3.89	3.25		0.60	0.20	1.28	2.13	2.56	
	3.3	C1-7	S27.2	C	Commercial, Industrial	69	50	86	3.01	2.99	2.96	2.90	2.80	2.65		0.10	0.25	0.10	0.17	0.20	
	0.4	C1-7	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
	0.1	C1-7	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05	
	0.2	C1-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	1.2	C2-1	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.91	0.90	0.87	0.83	0.76	0.68		0.40	0.25	0.14	0.24	0.29	
	0.5	C2-10	S27.2	D	Residential 2.5 acre lots	75	57	91	0.30	0.28	0.27	0.24	0.18	0.12		0.90	0.20	0.14	0.23	0.27	
	0.2	C2-10	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.13	0.11	0.09		0.60	0.20	0.04	0.06	0.07	
	0.9	C2-11	S27.2	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.40	0.34	0.25	0.16		0.90	0.25	0.24	0.41	0.49	
	0.3	C2-11	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
	0.1	C2-11	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04	
	0.1	C2-11	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	0.3	C2-11	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	2.0	C2-12	S27.2	C	Residential 2.5 acre lots	69	50	86	1.02	0.96	0.89	0.77	0.55	0.35		0.90	0.25	0.54	0.90	1.08	
	0.4	C2-12	S27.2	D	Residential 2.5 acre lots	75	57	91	0.24	0.23	0.21	0.19	0.15	0.10		0.90	0.20	0.11	0.18	0.22	
	0.4	C2-12	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27	0.25	0.22	0.20		0.50	0.25	0.06	0.10	0.12	
	0.3	C2-12	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	0.1	C2-13	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	1.5	C2-13	S27.2	C	Commercial, Industrial	69	50	86	1.37	1.36	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09	
	0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.42	1.35	1.25	1.07	0.77	0.49		0.90	0.25	0.76	1.26	1.51	
	1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.59	0.57	0.53	0.47	0.36	0.25		0.90	0.20	0.27	0.45	0.54	
	0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03	
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.82	0.81	0.81	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05	
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04	
	6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.47	4.37	4.22	3.98	3.54	3.08		0.50	0.25	0.95	1.58	1.89	
	3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.80	2.74	2.66	2.52	2.26	1.96		0.50	0.20	0.56	0.93	1.11	
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.38	1.36	1.34	1.31	1.24	1.16		0.20	0.25	0.10	0.16	0.19	
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.58	9.49	9.37	9.13	8.66	8.07		0.20	0.20	0.65	1.09	1.31	
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.18	1.18	1.16	1.14	1.10	1.04		0.10	0.25	0.04	0.07	0.08	
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.11	1.05		0.10	0.20	0.04	0.07	0.08	
	1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.95	0.94	0.92	0.90	0.85	0.80		0.20	0.25	0.07	0.11	0.13	
	7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	6.16	6.10	6.01	5.86	5.56	5.18		0.20	0.20	0.42	0.70	0.84	
	0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.29	0.28	0.27	0.25	0.22	0.18		0.60	0.20	0.07	0.12	0.14	
	4.9	C2-15	S27.2	C	Residential 5-7 dwellings/acre	69	50														

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III				AMC 1/AMC II											
	0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.13	0.11	0.09		0.60	0.20	0.04	0.06	0.07			
	1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.77	0.74	0.69	0.61	0.47	0.32		0.90	0.20	0.35	0.59	0.70			
	0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.36	0.35	0.34	0.31	0.27	0.23		0.60	0.20	0.09	0.15	0.18			
	0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.22	0.18	0.12	0.08		0.90	0.30	0.22	0.36	0.43			
	1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.61	0.58	0.53	0.46	0.33	0.21		0.90	0.25	0.32	0.54	0.65			
	0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11			
	0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.22	0.21	0.20	0.19	0.16	0.14		0.60	0.30	0.07	0.12	0.14			
	1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.12	1.09	1.04	0.97	0.83	0.70		0.60	0.25	0.31	0.51	0.61			
	0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04			
	0.8	C2-23	S27.2	C	Apartments	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10			
	0.4	C2-23	S27.2	D	Apartments	75	57	91	0.35	0.35	0.34	0.34	0.32	0.30		0.20	0.20	0.02	0.04	0.05			
	0.9	C2-23	S27.2	B	Public Park	56	36	76	0.34	0.32	0.29	0.24	0.17	0.12		0.85	0.30	0.23	0.38	0.46			
	0.4	C2-23	S27.2	C	Public Park	69	50	86	0.21	0.20	0.19	0.17	0.12	0.09		0.85	0.25	0.10	0.17	0.20			
	0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05			
	0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.36	0.34	0.31	0.27	0.19	0.12		0.90	0.25	0.19	0.32	0.38			
	3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.81	1.75	1.66	1.53	1.33	1.18		0.60	0.30	0.59	0.99	1.19			
	2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.38	1.34	1.29	1.20	1.03	0.86		0.60	0.25	0.38	0.63	0.76			
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.18	3.15	3.11	3.03	2.87	2.68		0.20	0.25	0.22	0.37	0.44			
	6.8	C2-24	S27.2	D	Apartments	75	57	91	5.98	5.92	5.84	5.70	5.41	5.04		0.20	0.20	0.41	0.68	0.82			
	0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.60	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08			
	2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.29	2.26	2.23	2.18	2.07	1.93		0.20	0.20	0.16	0.26	0.31			
	2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.45	1.41	1.35	1.25	1.08	0.90		0.60	0.25	0.40	0.66	0.79			
	9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	7.09	6.91	6.67	6.23	5.42	4.53		0.60	0.20	1.78	2.97	3.56			
	1.3	C2-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.98	0.96	0.94	0.89	0.79	0.69		0.50	0.20	0.20	0.33	0.39			
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.50	1.44	1.37		0.10	0.25	0.05	0.09	0.10			
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.67	2.65	2.63	2.58	2.48	2.35		0.10	0.20	0.09	0.15	0.17			
	3.6	C2-25	S27.2	D	Public Park	75	57	91	2.21	2.12	2.01	1.80	1.42	1.01		0.85	0.20	0.92	1.53	1.84			
	4.5	C2-25	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.87	3.83	3.78	3.68	3.49	3.26		0.20	0.25	0.27	0.45	0.54			
	4.5	C2-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.96	3.92	3.87	3.77	3.58	3.33		0.20	0.20	0.27	0.45	0.54			
	0.1	C2-25	S27.2	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05			
	0.8	C2-25	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.61	0.60	0.58	0.55	0.51	0.45		0.40	0.25	0.10	0.16	0.19			
	0.2	C2-25	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.13	0.12		0.40	0.20	0.02	0.04	0.05			
	0.7	C2-26	S27.2	A	Public Park	32	17	52	0.12	0.11	0.10	0.10	0.10	0.09		0.85	0.40	0.18	0.30	0.36			
	8.9	C2-26	S27.2	B	Public Park	56	36	76	3.34	3.12	2.83	2.37	1.69	1.23		0.85	0.30	2.27	3.78	4.54			
	1.2	C2-26	S27.2	C	Public Park	69	50	86	0.64	0.61	0.57	0.50	0.37	0.26		0.85	0.25	0.31	0.51	0.61			
	3.7	C2-26	S27.2	D	Public Park	75	57	91	2.27	2.18	2.06	1.85	1.46	1.04		0.85	0.20	0.94	1.57	1.89			
	7.4	C2-27	S27.2	A	Apartments	32	17	52	5.73	5.69	5.64	5.58	5.44	5.22		0.20	0.40	0.44	0.74	0.89			
	15.0	C2-27	S27.2	B	Apartments	56	36	76	12.35	12.22	12.04	11.74	11.20	10.60		0.20	0.30	0.90	1.50	1.80			
	5.8	C2-27	S27.2	C	Apartments	69	50	86	4.99	4.94	4.87	4.74	4.50	4.20		0.20	0.25	0.35	0.58	0.70			
	2.5	C2-27	S27.2	D	Apartments	75	57	91	2.20	2.18	2.15	2.09	1.99	1.85		0.20	0.20	0.15	0.25	0.30			
	9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.89	7.85	7.80	7.71	7.52	7.22		0.10	0.40	0.27	0.46	0.55			
	1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.34	1.33	1.32	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09			
	0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.46	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
	0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	2.0	C2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	1.02	0.96	0.89	0.77	0.55	0.35		0.90	0.25	0.54	0.90	1.08			
	8.8	C2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	5.80	5.63	5.40	5.01	4.32	3.61		0.60	0.25	1.58	2.64	3.17			
	0.1	C2-3	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02			
	4.9	C2-3	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.72	3.66	3.56	3.40	3.10	2.78		0.40	0.25	0.59	0.98	1.18			
	0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	4.9	C2-4	S27.2	C	Residential 2.5 acre lots	69	50	86	2.49	2.36	2.18	1.88	1.35	0.86		0.90	0.25	1.32	2.21	2.65			
	1.5	C2-4	S27.2	D	Residential 2.5 acre lots	75	57	91	0.89	0.85	0.80	0.71	0.54	0.37		0.90	0.20	0.41	0.68	0.81			
	1.0	C2-4	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.66	0.64	0.61	0.57	0.49	0.41		0.60	0.25	0.18	0.30	0.36			
	8.8	C2-4	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.24	6.10	5.90	5.56	4.94	4.30		0.50	0.25	1.32	2.20	2.64			
	4.2	C2-4	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	3.18	3.11	3.02	2.86	2.56	2.22		0.50	0.20	0.63	1.05	1.26			
	1.1	C2-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.84	0.82	0.80	0.76	0.70	0.62		0.40	0.25	0.13	0.22	0.26			
	0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	1.8	C2-5	S27.2	C	Public Park	69	50	86	0.96	0.91	0.85	0.75	0.56	0.39		0.85	0.25	0.46	0.77	0.92			
	0.4	C2-5	S27.2	D	Public Park	75	57	91	0.25	0.24	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20			
	1.8	C2-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.92	0.87	0.80	0.69	0.50	0.31		0.90	0.25	0.49	0.81	0.97			
	2.8	C2-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.66	1.59	1.49	1.32	1.02	0.69		0.90	0.20	0.76	1.26	1.51			
	6.1	C2-5	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.33	4.23	4.09	3.85	3.43	2.98		0.50	0.25	0.92	1.53	1.83			
	11.2	C2-5	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	8.48	8.30	8.06	7.63	6.83	5.92		0.50	0.20	1.68	2.80	3.36			
	7.8	C2-5	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	5.93	5.82	5.67	5.41	4.94	4.43		0.40	0.25	0.94	1.56	1.87			
	1.4	C2-5	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	1.12	1.10	1.07	1.03	0.94	0.84		0.40	0.20	0.17	0.28	0.34			
	5.5	C2-6	S27.2	C	Commercial, Industrial	69	50	86	5.01	4.98	4.93	4.84	4.66	4.42		0.10	0.25	0.17	0.28	0.33			
	1.9	C2-6	S27.2	D	Commercial, Industrial	75	57	91	1.75	1.74	1.72	1.69	1.63	1.54		0.10	0.20	0.06	0.10	0.11			
	2.5																						

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100	Storm Event (Year)										
						AMC			P ₂₄ (Inches)					Storm Event (Year)									
						II	I	III	AMC 1/AMCII					5.63	EV				HC				
													All										
	0.9	C2-6	S27.2	D	Public Park	75	57	91	0.55	0.53	0.50	0.45	0.35	0.25		0.85	0.20	0.23	0.38	0.46			
	36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	31.32	31.00	30.56	29.77	28.24	26.38		0.20	0.25	2.18	3.64	4.37			
	13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.96	11.85	11.69	11.39	10.81	10.07		0.20	0.20	0.82	1.36	1.63			
	4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	2.39	2.26	2.09	1.80	1.30	0.82		0.90	0.25	1.27	2.12	2.54			
	2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.25	1.19	1.12	0.99	0.76	0.52		0.90	0.20	0.57	0.95	1.13			
	0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04			
	0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09			
	0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02			
	9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	7.07	6.94	6.76	6.45	5.89	5.28		0.40	0.25	1.12	1.86	2.23			
	0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.71	0.69	0.66	0.60	0.54		0.40	0.20	0.11	0.18	0.22			
	0.3	C2-7	S27.2	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
	0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04			
	9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.29	8.23	8.15	8.01	7.71	7.31		0.10	0.25	0.27	0.46	0.55			
	6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.17	6.13	6.07	5.96	5.74	5.43		0.10	0.20	0.20	0.34	0.40			
	0.5	C2-7	S27.2	C	Public Park	69	50	86	0.27	0.25	0.24	0.21	0.16	0.11		0.85	0.25	0.13	0.21	0.26			
	2.6	C2-7	S27.2	D	Public Park	75	57	91	1.60	1.53	1.45	1.30	1.02	0.73		0.85	0.20	0.66	1.11	1.33			
	0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.46	0.46	0.46	0.45	0.44	0.42		0.20	0.40	0.04	0.06	0.07			
	2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.98	1.96	1.93	1.88	1.79	1.70		0.20	0.30	0.14	0.24	0.29			
	10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	9.12	9.03	8.90	8.67	8.22	7.68		0.20	0.25	0.64	1.06	1.27			
	0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.52	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.97	0.92	0.85	0.73	0.53	0.33		0.90	0.25	0.51	0.86	1.03			
	0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.42	0.40	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38			
	14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	9.43	9.16	8.78	8.14	7.01	5.87		0.60	0.25	2.57	4.29	5.15			
	15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	10.95	10.68	10.30	9.63	8.38	7.01		0.60	0.20	2.75	4.59	5.51			
	0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.20	0.19	0.19	0.19	0.18	0.18		0.50	0.40	0.06	0.10	0.12			
	1.5	C2-7	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.92	0.90	0.87	0.82	0.73	0.67		0.50	0.30	0.23	0.38	0.45			
	5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.62	3.53	3.42	3.22	2.87	2.49		0.50	0.25	0.77	1.28	1.53			
	0.9	C2-7	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.68	0.67	0.65	0.61	0.55	0.48		0.50	0.20	0.14	0.23	0.27			
	3.5	C2-7	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	2.40	2.35	2.29	2.18	2.01	1.86		0.40	0.30	0.42	0.70	0.84			
	8.4	C2-7	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.38	6.27	6.11	5.83	5.32	4.77		0.40	0.25	1.01	1.68	2.02			
	2.8	C2-7	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	2.23	2.20	2.15	2.05	1.88	1.68		0.40	0.20	0.34	0.56	0.67			
	0.6	C2-7	S27.2	B	School	56	36	76	0.33	0.32	0.30	0.28	0.24	0.21		0.60	0.30	0.11	0.18	0.22			
	1.5	C2-7	S27.2	C	School	69	50	86	0.99	0.96	0.92	0.85	0.74	0.62		0.60	0.25	0.27	0.45	0.54			
	3.5	C2-7	S27.2	D	School	75	57	91	2.51	2.44	2.36	2.20	1.92	1.60		0.60	0.20	0.63	1.05	1.26			
	0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.56		0.10	0.30	0.02	0.04	0.04			
	0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	5.7	C2-8	S27.2	B	Public Park	56	36	76	2.14	2.00	1.81	1.52	1.08	0.79		0.85	0.30	1.45	2.42	2.91			
	4.5	C2-8	S27.2	C	Public Park	69	50	86	2.40	2.29	2.13	1.86	1.40	0.96		0.85	0.25	1.15	1.91	2.30			
	9.4	C2-8	S27.2	D	Public Park	75	57	91	5.77	5.55	5.24	4.69	3.70	2.64		0.85	0.20	2.40	4.00	4.79			
	0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.25	0.06	0.10	0.12			
	1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.70	0.67	0.63	0.22	0.11	0.02		1.00	0.25	0.36	0.60	0.72			
	1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	1.11	1.07	1.01	0.43	0.25	0.09		1.00	0.25	0.51	0.85	1.02			
	0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.44	0.43	0.41	0.22	0.15	0.08		1.00	0.20	0.18	0.30	0.36			
	1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.77	0.74	0.68	0.22	0.10	0.01		1.00	0.25	0.42	0.70	0.84			
	0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24			
	8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	5.48	5.28	5.00	2.12	1.22	0.44		1.00	0.25	2.52	4.20	5.04			
	9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.80	6.62	6.36	3.34	2.25	1.17		1.00	0.20	2.76	4.60	5.52			
	2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.58	1.51	1.41	0.50	0.25	0.05		1.00	0.25	0.81	1.35	1.62			
	0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.41	0.40	0.38	0.18	0.11	0.05		1.00	0.20	0.18	0.30	0.36			
	1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.88	0.84	0.78	0.25	0.11	0.02		1.00	0.25	0.48	0.80	0.96			
	1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.65	0.63	0.59	0.25	0.14	0.05		1.00	0.20	0.30	0.50	0.60			
	5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.59	3.46	3.27	1.39	0.80	0.29		1.00	0.25	1.65	2.75	3.30			
	6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	5.02	4.89	4.70	2.47	1.66	0.86		1.00	0.20	2.04	3.40	4.08			
	1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	1.05	1.01	0.94	0.34	0.16	0.04		1.00	0.25	0.54	0.90	1.08			
	2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.72	1.66	1.58	0.73	0.45	0.19		1.00	0.20	0.75	1.25	1.50			
	0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.34	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36			
	0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.48	3.31	3.07	1.00	0.44	0.06		1.00	0.25	1.89	3.15	3.78			
	0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12			
	5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.85	3.71	3.51	1.49	0.85	0.31		1.00	0.25	1.77	2.95	3.54			

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100								
								AMC			P ₂₄ (Inches)							5.63				
								II	I	III					AMC 1/AMCI							

	0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.32	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36	
	1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.30	1.29	1.29	1.27	1.24	1.19		0.10	0.40	0.05	0.08	0.09	
	0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.56		0.10	0.30	0.02	0.04	0.04	
	1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.46	1.45	1.43	1.41	1.36	1.29		0.10	0.25	0.05	0.08	0.10	
	1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07	
	0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05	
	3.8	OC1-6	S27.2	C	Public Park	69	50	86	2.03	1.93	1.80	1.57	1.19	0.81		0.85	0.25	0.97	1.62	1.94	
	2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.53	1.48	1.39	1.25	0.98	0.70		0.85	0.20	0.64	1.06	1.28	
	0.1	OC1-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.08	0.07	0.07	0.07	0.06	0.06		0.40	0.25	0.01	0.02	0.02	
	1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.27	0.24	0.19	0.00	0.00	0.00		1.00	0.40	0.42	0.70	0.84	
	2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.73	1.66	1.56	0.61	0.32	0.09		1.00	0.25	0.84	1.40	1.68	
	0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24	
	0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18	
	3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	1.99	1.90	1.78	0.63	0.31	0.07		1.00	0.25	1.02	1.70	2.04	
	0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.55	0.53	0.51	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.48	
	2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.28	0.26	0.24	0.23	0.22	0.21		0.90	0.40	0.65	1.08	1.30	
	0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.24	0.22	0.20	0.16	0.10	0.07		0.90	0.30	0.19	0.32	0.38	
	3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.78	1.69	1.56	1.34	0.97	0.61		0.90	0.25	0.95	1.58	1.89	
	1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.65	0.63	0.59	0.52	0.40	0.27		0.90	0.20	0.30	0.50	0.59	
	0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	1.11	1.06	0.99	0.35	0.17	0.04		1.00	0.25	0.57	0.95	1.14	
	0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.07	0.06	0.06	0.03	0.01	0.01		1.00	0.25	0.03	0.05	0.06	
	1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.76	0.73	0.68	0.24	0.12	0.03		1.00	0.25	0.39	0.65	0.78	
	0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.07	0.07	0.04	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.99	0.95	0.89	0.32	0.15	0.03		1.00	0.25	0.51	0.85	1.02	
	0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	2.17	2.07	1.93	0.69	0.34	0.08		1.00	0.25	1.11	1.85	2.22	
	1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.61	0.58	0.53	0.46	0.33	0.21		0.90	0.25	0.32	0.54	0.65	
	1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.79	0.77	0.74	0.68	0.59	0.49		0.60	0.25	0.22	0.36	0.43	
	0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	0.3		S27.3	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15	
	0.4		S27.3	A	Public Park	32	17	52	0.07	0.06	0.06	0.06	0.06	0.05		0.85	0.40	0.10	0.17	0.20	
	0.6		S27.3	B	Public Park	56	36	76	0.23	0.21	0.19	0.16	0.11	0.08		0.85	0.30	0.15	0.26	0.31	
	1.1		S27.3	B	Commercial, Industrial	56	36	76	0.98	0.97	0.97	0.95	0.92	0.87		0.10	0.30	0.03	0.06	0.07	
	1.2		S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.24	0.20	0.16	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72	
	4.9		S27.3	A	Open Brush, Fair	46	28	66	0.73	0.62	0.47	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94	
	5.4		S27.3	A	Woodland, Grass, Fair	44	26	64	0.69	0.57	0.42	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24	
	6.9		S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	2.55	2.34	2.06	0.23	0.01	0.00		1.00	0.30	2.07	3.45	4.14	
	9.2		S27.3	D	Woodland, Grass, Fair	82	66	95	6.16	5.94	5.64	2.51	1.49	0.59		1.00	0.20	2.76	4.60	5.52	
	9.3		S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	4.26	3.99	3.62	0.78	0.20	0.00		1.00	0.30	2.79	4.65	5.58	
	15.8		S27.3	D	Chaparral, Broadleaf, Fair	81	64	95	10.30	9.93	9.40	3.99	2.29	0.83		1.00	0.20	4.74	7.90	9.48	
	20.3		S27.3	D	Grass, Annual or Perennial, Fair	84	69	96	14.28	13.85	13.24	6.39	4.05	1.86		1.00	0.20	6.09	10.15	12.18	
	25.5		S27.3	B	Open Brush, Fair	66	46	84	10.53	9.77	8.74	1.40	0.19	0.00		1.00	0.30	7.65	12.75	15.30	
	27.2		S27.3	B	Woodland, Grass, Fair	65	45	83	10.82	10.01	8.92	1.25	0.11	0.00		1.00	0.30	8.16	13.60	16.32	
	29.1		S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	17.99	17.26	16.24	6.32	3.36	0.99		1.00	0.25	8.73	14.55	17.46	
	53.6		S27.3	D	Open Brush, Fair	83	67	96	36.79	35.60	33.91	15.72	9.66	4.15		1.00	0.20	16.08	26.80	32.16	
	66.8		S27.3	C	Woodland, Grass, Fair	77	59	92	39.09	37.33	34.88	12.47	6.09	1.36		1.00	0.25	20.04	33.40	40.08	
	90.8		S27.3	C	Open Brush, Fair	77	59	92	53.13	50.74	47.41	16.96	8.28	1.84		1.00	0.25	27.24	45.40	54.48	
	102.9		S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	56.86	54.04	50.14	16.27	7.16	1.04		1.00	0.25	30.87	51.45	61.74	
	0.7	S27.3-1	S27.3	A	Residential 5-7 dwellings/acre	32	17	52	0.34	0.34	0.33	0.33	0.32	0.31		0.50	0.40	0.11	0.18	0.21	
	0.9	S27.3-1	S27.3	B	Public Park	56	36	76	0.34	0.32	0.29	0.24	0.17	0.12		0.85	0.30	0.23	0.38	0.46	
	3.4	S27.3-1	S27.3	A	Commercial, Industrial	32	17	52	2.95	2.93	2.92	2.88	2.81	2.70		0.10	0.40	0.10	0.17	0.20	
	3.6	S27.3-1	S27.3	A	Woodland, Grass, Fair	44	26	64	0.46	0.38	0.28	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16	
	10.1	S27.3-1	S27.3	A	Public Park	32	17	52	1.67	1.57	1.48	1.43	1.39	1.34		0.85	0.40	2.58	4.29	5.15	
	17.4	S27.3-1	S27.3	A	Open Brush, Fair	46	28	66	2.60	2.18	1.67	0.00	0.00	0.00		1.00	0.40	5.22	8.70	10.44	
	0.2	S27.3-3	S27.3	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12	
	0.2	S27.3-3	S27.3	A	Barren	78	61	93	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.40	0.06	0.10	0.12	
	0.2	S27.3-3	S27.3	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.04	0.02		1.00	0.20	0.06	0.10	0.12	
	0.3	S27.3-3	S27.3	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.10	0.01	0.00	0.00		1.00	0.30	0.09	0.15	0.18	
	0.3	S27.3-3	S27.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02	
	0.5	S27.3-3	S27.																		

RANCHO MISSION VIEJO																									
PA-3&4(Ultimate Conditions)																									
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																									
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							Storm Event (Year)						
							100	50	25	10	5	2	100	HC											
							AMC			P ₂₄ (Inches)									Storm Event (Year)						
							II	I	III	AMC 1/AMCII														5.63	> 5
	11.4	S27.3-3	S27.3	A	Woodland, Grass, Fair	44	26	64	1.46	1.20	0.88	0.00	0.00	0.00		1.00	0.40	3.42	5.70	6.84					
	11.8	S27.3-3	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	6.52	6.20	5.75	1.87	0.82	0.12		1.00	0.25	3.54	5.90	7.08					
	27.7	S27.3-3	S27.3	A	Open Brush, Fair	46	28	66	4.14	3.48	2.66	0.00	0.00	0.00		1.00	0.40	8.31	13.85	16.62					
	0.1	S27.3-4	S27.3	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05					
	0.1	S27.3-4	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06					
	0.2	S27.3-4	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.25	0.06	0.10	0.12					
	0.3	S27.3-4	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	0.14	0.13	0.12	0.03	0.01	0.00		1.00	0.30	0.09	0.15	0.18					
	0.3	S27.3-4	S27.3	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18					
	0.4	S27.3-4	S27.3	A	Commercial, Industrial	32	17	52	0.35	0.35	0.34	0.34	0.33	0.32		0.10	0.40	0.01	0.02	0.02					
	0.5	S27.3-4	S27.3	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40		0.10	0.30	0.02	0.03	0.03					
	0.6	S27.3-4	S27.3	B	Woodland, Grass, Fair	65	45	83	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36					
	0.6	S27.3-4	S27.3	A	Barren	78	61	93	0.36	0.35	0.32	0.12	0.06	0.02		1.00	0.40	0.18	0.30	0.36					
	0.6	S27.3-4	S27.3	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04					
	0.9	S27.3-4	S27.3	B	Open Brush, Fair	66	46	84	0.37	0.34	0.31	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54					
	1.0	S27.3-4	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.16	0.07	0.01		1.00	0.25	0.30	0.50	0.60					
	1.3	S27.3-4	S27.3	C	Woodland, Grass, Fair	77	59	92	0.76	0.73	0.68	0.24	0.12	0.03		1.00	0.25	0.39	0.65	0.78					
	3.2	S27.3-4	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.67	0.58	0.47	0.00	0.00	0.00		1.00	0.40	0.96	1.60	1.92					
	3.7	S27.3-4	S27.3	A	Woodland, Grass, Fair	44	26	64	0.47	0.39	0.29	0.00	0.00	0.00		1.00	0.40	1.11	1.85	2.22					
	12.0	S27.3-4	S27.3	A	Open Brush, Fair	46	28	66	1.79	1.51	1.15	0.00	0.00	0.00		1.00	0.40	3.60	6.00	7.20					
	0.1	S27.3-5	S27.3	A	Row Crops, Poor	72	53	89	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.40	0.03	0.05	0.06					
	0.5	S27.3-5	S27.3	A	Public Park	32	17	52	0.08	0.08	0.07	0.07	0.07	0.07		0.85	0.40	0.13	0.21	0.26					
	0.5	S27.3-5	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.30	0.28	0.11	0.06	0.02		1.00	0.25	0.15	0.25	0.30					
	0.8	S27.3-5	S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	0.30	0.27	0.24	0.03	0.00	0.00		1.00	0.30	0.24	0.40	0.48					
	1.2	S27.3-5	S27.3	A	Woodland, Grass, Fair	44	26	64	0.15	0.13	0.09	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72					
	1.5	S27.3-5	S27.3	B	Commercial, Industrial	56	36	76	1.34	1.33	1.32	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09					
	2.5	S27.3-5	S27.3	A	Commercial, Industrial	32	17	52	2.17	2.16	2.14	2.12	2.07	1.98		0.10	0.40	0.08	0.13	0.15					
	2.6	S27.3-5	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.19	1.11	1.01	0.22	0.06	0.00		1.00	0.30	0.78	1.30	1.56					
	2.8	S27.3-5	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.55	0.48	0.38	0.00	0.00	0.00		1.00	0.40	0.84	1.40	1.68					
	5.4	S27.3-5	S27.3	A	Open Brush, Fair	46	28	66	0.81	0.68	0.52	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24					
12800	6.2	S27.3-5	S27.3	B	Woodland, Grass, Fair	65	45	83	2.47	2.28	2.03	0.29	0.03	0.00		1.00	0.30	1.86	3.10	3.72					
12800	6.5	S27.3-5	S27.3	C	Woodland, Grass, Fair	77	59	92	3.80	3.63	3.39	1.21	0.59	0.13		1.00	0.25	1.95	3.25	3.90					
12800	6.7	S27.3-5	S27.3	B	Open Brush, Fair	66	46	84	2.77	2.57	2.30	0.37	0.05	0.00		1.00	0.30	2.01	3.35	4.02					
12800	12.0	S27.3-5	S27.3	C	Open Brush, Fair	77	59	92	7.02	6.71	6.27	2.24	1.09	0.24		1.00	0.25	3.60	6.00	7.20					
12800	20.3	S27.3-5	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	11.22	10.66	9.89	3.21	1.41	0.21		1.00	0.25	6.09	10.15	12.18					
12800	0.3	S27.3-6	S27.3	A	Row Crops, Poor	72	53	89	0.15	0.14	0.13	0.04	0.01	0.00		1.00	0.40	0.09	0.15	0.18					
12800	0.4	S27.3-6	S27.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24					
12800	0.4	S27.3-6	S27.3	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02					
12800	0.6	S27.3-6	S27.3	A	Commercial, Industrial	32	17	52	0.52	0.52	0.51	0.51	0.50	0.48		0.10	0.40	0.02	0.03	0.04					
12800	1.5	S27.3-6	S27.3	A	Open Brush, Fair	46	28	66	0.23	0.19	0.15	0.00	0.00	0.00		1.00	0.40	0.46	0.77	0.92					
12800	3.2	S27.3-6	S27.3	A	Public Park	32	17	52	0.53	0.50	0.48	0.46	0.45	0.43		0.85	0.40	0.83	1.38	1.65					
12800	3.9	S27.3-6	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.80	1.69	1.53	0.33	0.08	0.00		1.00	0.30	1.18	1.97	2.36					
12800	8.7	S27.3-6	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	1.71	1.48	1.19	0.00	0.00	0.00		1.00	0.40	2.62	4.37	5.24					
12800	10.3	S27.3-6	S27.3	A	Woodland, Grass, Fair	44	26	64	1.32	1.09	0.80	0.00	0.00	0.00		1.00	0.40	3.10	5.17	6.20					
12800	2.30	P501XX	S28.1	B	Barren	86	72	97	1.70	1.65	1.59	0.83	0.56	0.29		1.00	0.30	0.69	1.15	1.38					
12800	0.20	P501XX	S28.1	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12					
12800	0.07	P501XX	S28.1	D	Barren	93	83	99	0.06	0.06	0.06	0.04	0.03	0.02		1.00	0.20	0.02	0.03	0.04					
12901	10.20	P501XX	S28.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.64	5.36	4.97	1.61	0.71	0.10		1.00	0.25	3.06	5.10	6.12					
12901	0.35	P501XX	S28.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.21	0.09	0.05	0.02		1.00	0.20	0.11	0.18	0.21					
12901	0.10	P501XX	S28.1	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.08	0.08	0.08		0.10	0.30	0.00	0.00	0.01					
12901	0.40	P501XX	S28.1	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02					
12901	0.45	P501XX	S28.1	D	Commercial, Industrial	75	57	91	0.41	0.41	0.40	0.40	0.38	0.36		0.10	0.20	0.01	0.02	0.03					
12901	24.28	P501XX	S28.1	B	Grass, Annual or Perennial, Fair	69	50	86	11.12	10.41	9.44	2.05	0.52	0.00		1.00	0.30	7.28	12.14	14.57					
12901	9.91	P501XX	S28.1	C	Grass, Annual or Perennial, Fair	79	62	93	6.13	5.88	5.53	2.15	1.14	0.34		1.00	0.25	2.97	4.96	5.95					
12901	6.57	P501XX	S28.1	D	Grass, Annual or Perennial, Fair	84	69	96	4.62	4.48	4.28	2.07	1.31	0.60		1.00	0.20	1.97	3.28	3.94					
12901	0.10	P501XX	S28.1	A</																					

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100								
						AMC				P ₂₄ (Inches)												
						II	I	III	AMC 1/AMCII				5.63									
PA5 Line XX	39.55	P503XX	S29.2-2	C	Open Brush, Fair	77	59	92	23.14	22.10	20.65	7.39	3.60	0.80		1.00	0.25	11.87	19.78	23.73		
PA5 Line XX	19.10	P503XX	S29.2-2	D	Open Brush, Fair	83	67	96	13.11	12.68	12.08	5.60	3.44	1.48		1.00	0.20	5.73	9.55	11.46		
PA5 Line XX	18.40	P503XX	S29.2-2	D	Public Park	75	57	91	11.29	10.86	10.25	9.18	7.24	5.18		0.85	0.20	4.69	7.82	9.38		
PA5 Line XX	5.30	P503XX	S29.2-2	B	Woodland, Grass, Fair	65	45	83	2.11	1.95	1.74	0.24	0.02	0.00		1.00	0.30	1.59	2.65	3.18		
PA5 Line XX	34.70	P503XX	S29.2-2	C	Woodland, Grass, Fair	77	59	92	20.30	19.39	18.12	6.48	3.16	0.70		1.00	0.25	10.41	17.35	20.82		
PA5 Line XX	1.30	P503XX	S29.2-2	D	Woodland, Grass, Fair	82	66	95	0.87	0.84	0.80	0.35	0.21	0.08		1.00	0.20	0.39	0.65	0.78		
PA5 Line XX	6.20		S29.1	C	Chaparral, Broadleaf, Fair	75	57	91	3.43	3.26	3.02	0.98	0.43	0.06		1.00	0.25	1.86	3.10	3.72		
PA5 Line XX	0.40		S29.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24		
PA5 Line XX	0.30		S29.1	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		0.10	0.40	0.01	0.02	0.02		
PA5 Line XX	5.30		S29.1	B	Commercial, Industrial	56	36	76	4.73	4.70	4.65	4.57	4.41	4.21		0.10	0.30	0.16	0.27	0.32		
PA5 Line XX	23.30		S29.1	C	Commercial, Industrial	69	50	86	21.22	21.08	20.87	20.50	19.74	18.71		0.10	0.25	0.70	1.17	1.40		
PA5 Line XX	2.60		S29.1	D	Commercial, Industrial	75	57	91	2.39	2.38	2.35	2.31	2.23	2.11		0.10	0.20	0.08	0.13	0.16		
PA5 Line XX	8.20		S29.1	B	Grass, Annual or Perennial, Fair	69	50	86	3.76	3.52	3.19	0.69	0.18	0.00		1.00	0.30	2.46	4.10	4.92		
PA5 Line XX	37.40		S29.1	C	Grass, Annual or Perennial, Fair	79	62	93	23.13	22.19	20.87	8.13	4.32	1.27		1.00	0.25	11.22	18.70	22.44		
PA5 Line XX	21.60		S29.1	D	Grass, Annual or Perennial, Fair	84	69	96	15.20	14.74	14.08	6.80	4.31	1.98		1.00	0.20	6.48	10.80	12.96		
PA5 Line XX	0.20		S29.1	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
PA5 Line XX	32.30		S29.1	C	Open Brush, Fair	77	59	92	18.90	18.05	16.86	6.03	2.94	0.66		1.00	0.25	9.69	16.15	19.38		
PA5 Line XX	1.60		S29.1	D	Open Brush, Fair	83	67	96	1.10	1.06	1.01	0.47	0.29	0.12		1.00	0.20	0.48	0.80	0.96		
PA5 Line XX	21.60		S29.1	A	Public Park	32	17	52	3.56	3.36	3.17	3.05	2.98	2.86		0.85	0.40	5.51	9.18	11.02		
PA5 Line XX	32.10		S29.1	B	Public Park	56	36	76	12.05	11.25	10.20	8.54	6.10	4.43		0.85	0.30	8.19	13.64	16.37		
PA5 Line XX	136.90		S29.1	C	Public Park	69	50	86	73.04	69.55	64.79	56.67	42.74	29.29		0.85	0.25	34.91	58.18	69.82		
PA5 Line XX	9.40		S29.1	D	Public Park	75	57	91	5.77	5.55	5.24	4.69	3.70	2.64		0.85	0.20	2.40	4.00	4.79		
PA5 Line XX	268.30		S29.1	C	Residential 1 acre lots	69	50	86	149.88	143.40	134.55	119.40	93.32	67.93		0.80	0.25	64.39	107.32	128.78		
PA5 Line XX	67.40		S29.1	D	Residential 1 acre lots	75	57	91	42.75	41.22	39.11	35.39	28.60	21.34		0.80	0.20	16.18	26.96	32.35		
12903	1.30		S29.1	B	Residential 2 dwellings/acre	56	36	76	0.62	0.59	0.56	0.50	0.41	0.35		0.70	0.30	0.27	0.46	0.55		
12903	77.00		S29.1	C	Residential 2 dwellings/acre	69	50	86	46.89	45.23	42.95	39.05	32.27	25.55		0.70	0.25	16.17	26.95	32.34		
12903	28.80		S29.1	D	Residential 2 dwellings/acre	75	57	91	19.44	18.86	18.05	16.62	14.00	11.15		0.70	0.20	6.05	10.08	12.10		
12903	20.00		S29.1	B	Residential 3-4 dwellings/acre	56	36	76	10.95	10.58	10.09	9.30	8.08	7.14		0.60	0.30	3.60	6.00	7.20		
12903	159.90		S29.1	C	Residential 3-4 dwellings/acre	69	50	86	105.41	102.37	98.21	91.03	78.43	65.61		0.60	0.25	28.78	47.97	57.56		
12903	13.90		S29.1	D	Residential 3-4 dwellings/acre	75	57	91	9.95	9.70	9.36	8.75	7.62	6.36		0.60	0.20	2.50	4.17	5.00		
12903	8.30		S29.1	B	Residential 5-7 dwellings/acre	56	36	76	5.12	4.98	4.81	4.52	4.07	3.69		0.50	0.30	1.25	2.08	2.49		
12903	37.00		S29.1	C	Residential 5-7 dwellings/acre	69	50	86	26.25	25.64	24.81	23.36	20.79	18.09		0.50	0.25	5.55	9.25	11.10		
12903	4.20		S29.1	D	Residential 5-7 dwellings/acre	75	57	91	3.18	3.11	3.02	2.86	2.56	2.22		0.50	0.20	0.63	1.05	1.26		
12903	1.30		S29.1	A	Residential 8-10 dwellings/acre	32	17	52	0.76	0.75	0.75	0.73	0.72	0.69		0.40	0.40	0.16	0.26	0.31		
12903	11.30		S29.1	B	Residential 8-10 dwellings/acre	56	36	76	7.74	7.59	7.39	7.05	6.50	6.01		0.40	0.30	1.36	2.26	2.71		
12903	54.80		S29.1	C	Residential 8-10 dwellings/acre	69	50	86	41.64	40.88	39.83	38.00	34.69	31.10		0.40	0.25	6.58	10.96	13.15		
12903	15.40		S29.1	D	Residential 8-10 dwellings/acre	75	57	91	12.28	12.08	11.80	11.30	10.34	9.23		0.40	0.20	1.85	3.08	3.70		
12903	0.50		S29.1	B	Woodland, Grass, Fair	65	45	83	0.20	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30		
12903	8.40		S29.1	C	Woodland, Grass, Fair	77	59	92	4.92	4.69	4.39	1.57	0.77	0.17		1.00	0.25	2.52	4.20	5.04		
12903	3.50		S29.1	D	Woodland, Grass, Fair	82	66	95	2.34	2.26	2.15	0.95	0.57	0.23		1.00	0.20	1.05	1.75	2.10		
12903	0.22	P504XX	S29.2	B	Barren	86	72	97	0.16	0.16	0.15	0.08	0.05	0.03		1.00	0.30	0.07	0.11	0.13		
12903	4.49	P504XX	S29.2	C	Barren	91	80	98	3.72	3.66	3.57	2.29	1.77	1.17		1.00	0.25	1.35	2.25	2.69		
12903	0.02	P504XX	S29.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01		
	1.01	P504XX	S29.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.56	0.53	0.49	0.16	0.07	0.01		1.00	0.25	0.30	0.51	0.61		
	0.45	P504XX	S29.2	B	Commercial, Industrial	56	36	76	0.40	0.39	0.39	0.38	0.37	0.35		0.10	0.30	0.01	0.02	0.03		
	1.36	P504XX	S29.2	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.15	1.09		0.10	0.25	0.04	0.07	0.08		
	2.89	P504XX	S29.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.32	1.24	1.12	0.24	0.06	0.00		1.00	0.30	0.87	1.44	1.73		
	20.30	P504XX	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	12.55	12.04	11.32	4.41	2.34	0.69		1.00	0.25	6.09	10.15	12.18		
	1.51	P504XX	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.06	1.03	0.99	0.48	0.30	0.14		1.00	0.20	0.45	0.76	0.91		
	1.47	P504XX	S29.2	D	Meadows or Cienegas, Fair	84	69	96	1.04	1.01	0.96	0.46	0.29	0.14		1.00	0.20	0.44	0.74	0.88		
	2.33	P504XX	S29.2	B	Open Brush, Fair	66	46	84	0.96	0.89	0.80	0.13	0.02	0.00		1.00	0.30	0.70	1.16	1.40		
	11.34	P504XX	S29.2	C	Open Brush, Fair	77	59	92	6.63	6.34	5.92	2.12	1.03	0.23		1.00	0.25	3.40	5.67	6.80		
	10.50	P504XX	S29.2	D	Open Brush, Fair	83	67	96	7.21	6.97	6.64	3.08	1.89	0.81		1.00	0.20	3.15	5.25	6.30		
	1.18	P504XX	S29.2	D	Public Park	75	57	91	0.72	0.70	0.66	0.59	0.46	0.33		0.85	0.20	0.30	0.50	0.60		
	0.42	P504XX	S29.2	B	Row Crops, Good	78	61	93	0.25	0.24	0.22	0.08	0.04	0.01		1.00	0.30	0.12	0.21	0.25		
	0.03	P504XX	S29.2	C	Row Crops, Good	85	70	97	0.02	0.02	0.02	0.01	0.01	0.00		1.00	0.25	0.01	0.02	0.02		
	2.22	P504XX	S29.2	B	Woodland, Grass, Fair	65	45	83	0.89	0.82	0.73	0.10	0.01	0.00		1.00	0.30	0.67	1.11	1.33		
	8.73	P504XX	S29.2	C	Woodland, Grass, Fair	77	59	92	5.11	4.88	4.56	1.63	0.80	0.18		1.00	0.25	2.62	4.37	5.24		
	0.22	P504XX	S29.2	D	Woodland, Grass, Fair	82	66	95	0.15	0.14	0.14	0.06	0.04	0.01		1.00	0.20	0.07	0.11	0.13		
	0.20	S29.2-1	S29.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01		
	0.40	S29.2-1	S29.2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27	0.25	0.22	0.20		0.50	0.25	0.06	0.10	0.12		
	0.50	S29.2-1	S29.2	B	Residential 2.5 acre lots	56	36	76	0.17	0.16	0.14	0.11	0.07	0.05		0.90	0.30	0.14	0.23	0.2		

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100							
						AMC			P ₂₄ (Inches)									5.63				
						II	I	III				AMC 1/AMCII										
																		Storm Event (Year)			HC	
																			EV	HC		
																			> 5	5	2	All
	2.90	S29-2-1	S29-2	C	Open Brush, Fair	77	59	92	1.70	1.62	1.51	0.54	0.26	0.06		1.00	0.25	0.87	1.45	1.74		
	3.60	S29-2-1	S29-2	A	Woodland, Grass, Fair	44	26	64	0.46	0.38	0.28	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16		
	3.70	S29-2-1	S29-2	B	Residential 5-7 dwellings/acre	56	36	76	2.28	2.22	2.14	2.01	1.81	1.64		0.50	0.30	0.56	0.93	1.11		
	4.10	S29-2-1	S29-2	A	Residential 5-7 dwellings/acre	32	17	52	2.02	1.99	1.96	1.93	1.88	1.81		0.50	0.40	0.62	1.03	1.23		
	5.40	S29-2-1	S29-2	A	Residential 2.5 acre lots	32	17	52	0.64	0.59	0.54	0.51	0.50	0.48		0.90	0.40	1.46	2.43	2.92		
	6.70	S29-2-1	S29-2	A	Open Brush, Fair	46	28	66	1.00	0.84	0.64	0.00	0.00	0.00		1.00	0.40	2.01	3.35	4.02		
	12.00	S29-2-1	S29-2	A	Barren	78	61	93	7.22	6.91	6.48	2.42	1.24	0.32		1.00	0.40	3.60	6.00	7.20		
	12.90	S29-2-1	S29-2	A	Grass, Annual or Perennial, Fair	50	31	70	2.53	2.19	1.76	0.00	0.00	0.00		1.00	0.40	3.87	6.45	7.74		
	38.60	S29-2-1	S29-2	A	Public Park	32	17	52	6.37	6.01	5.67	5.45	5.32	5.11		0.85	0.40	9.84	16.41	19.69		
	0.10	S29-2.4	S29-2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05		
	0.20	S29-2.4	S29-2	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12		
	0.80	S29-2.4	S29-2	A	Woodland, Grass, Fair	44	26	64	0.10	0.08	0.06	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48		
	1.20	S29-2.4	S29-2	C	Commercial, Industrial	69	50	86	1.09	1.09	1.08	1.06	1.02	0.96		0.10	0.25	0.04	0.06	0.07		
	1.50	S29-2.4	S29-2	A	Commercial, Industrial	32	17	52	1.30	1.29	1.29	1.24	1.24	1.19		0.10	0.40	0.05	0.08	0.09		
	3.00	S29-2.4	S29-2	D	Grass, Annual or Perennial, Fair	84	69	96	2.11	2.05	1.96	0.94	0.60	0.28		1.00	0.20	0.90	1.50	1.80		
	3.60	S29-2.4	S29-2	C	Grass, Annual or Perennial, Fair	79	62	93	2.23	2.14	2.01	0.78	0.42	0.12		1.00	0.25	1.08	1.80	2.16		
	15.10	S29-2.4	S29-2	A	Public Park	32	17	52	2.49	2.35	2.22	2.13	2.08	2.00		0.85	0.40	3.85	6.42	7.70		
	20.00	S29-2.4	S29-2	A	Grass, Annual or Perennial, Fair	50	31	70	3.92	3.39	2.73	0.00	0.00	0.00		1.00	0.40	6.00	10.00	12.00		
	14.30	G	S29-2	A	Commercial, Industrial	32	17	52	12.40	12.34	12.26	12.12	11.82	11.35		0.10	0.40	0.43	0.72	0.86		
	9.40	G	S29-2	A	Public Park	32	17	52	1.55	1.46	1.38	1.33	1.29	1.24		0.85	0.40	2.40	4.00	4.79		
	1.4	B-10	S29-3	B	Commercial, Industrial	56	36	76	1.25	1.24	1.23	1.21	1.17	1.11		0.10	0.30	0.04	0.07	0.08		
	1.1	B-10	S29-3	C	Commercial, Industrial	69	50	86	1.00	1.00	0.99	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07		
	1.9	B-10	S29-3	B	Residential 2.5 acre lots	56	36	76	0.65	0.60	0.53	0.43	0.28	0.18		0.90	0.30	0.51	0.86	1.03		
	1.6	B-10	S29-3	C	Residential 2.5 acre lots	69	50	86	0.81	0.77	0.71	0.61	0.44	0.28		0.90	0.25	0.43	0.72	0.86		
	0.2	B-10	S29-3	B	Residential 8-10 dwellings/acre	56	36	76	0.14	0.13	0.13	0.12	0.12	0.11		0.40	0.30	0.02	0.04	0.05		
	0.3	B-11	S29-3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02		
	0.6	B-11	S29-3	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04		
	0.7	B-11	S29-3	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04		
	0.4	B-11	S29-3	B	Residential 2.5 acre lots	56	36	76	0.14	0.13	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22		
	0.8	B-11	S29-3	C	Residential 2.5 acre lots	69	50	86	0.41	0.39	0.36	0.31	0.22	0.14		0.90	0.25	0.22	0.36	0.43		
	0.4	B-11	S29-3	D	Residential 2.5 acre lots	75	57	91	0.24	0.23	0.21	0.19	0.15	0.10		0.90	0.20	0.11	0.18	0.22		
	1.0	B-12	S29-3	B	Commercial, Industrial	56	36	76	0.89	0.89	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06		
	0.4	B-12	S29-3	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02		
	2.2	B-12	S29-3	D	Commercial, Industrial	75	57	91	2.02	2.01	1.99	1.96	1.88	1.78		0.10	0.20	0.07	0.11	0.13		
	0.4	B-12	S29-3	B	Residential 10+ dwellings/acre	56	36	76	0.33	0.33	0.32	0.31	0.30	0.28		0.20	0.30	0.02	0.04	0.05		
	0.7	B-12	S29-3	D	Residential 10+ dwellings/acre	75	57	91	0.62	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08		
	1.1	B-12	S29-3	D	Residential 8-10 dwellings/acre	75	57	91	0.88	0.86	0.84	0.81	0.74	0.66		0.40	0.20	0.13	0.22	0.26		
	0.5	B-14	S29-3	B	Residential 10+ dwellings/acre	56	36	76	0.41	0.41	0.40	0.39	0.37	0.35		0.20	0.30	0.03	0.05	0.06		
	1.2	B-14	S29-3	C	Residential 10+ dwellings/acre	69	50	86	1.03	1.02	1.01	0.98	0.93	0.87		0.20	0.25	0.07	0.12	0.14		
	1.1	B-15	S29-3	B	Residential 10+ dwellings/acre	56	36	76	0.91	0.90	0.88	0.86	0.82	0.78		0.20	0.30	0.07	0.11	0.13		
	1.4	B-15	S29-3	C	Residential 10+ dwellings/acre	69	50	86	1.20	1.19	1.18	1.14	1.09	1.01		0.20	0.25	0.08	0.14	0.17		
	1.8	B-15	S29-3	D	Residential 10+ dwellings/acre	75	57	91	1.58	1.57	1.55	1.51	1.43	1.33		0.20	0.20	0.11	0.18	0.22		
	1.9	B-16	S29-3	B	Residential 10+ dwellings/acre	56	36	76	1.56	1.55	1.53	1.49	1.42	1.34		0.20	0.30	0.11	0.19	0.23		
	5.7	B-16	S29-3	C	Residential 10+ dwellings/acre	69	50	86	4.90	4.85	4.79	4.66	4.42	4.13		0.20	0.25	0.34	0.57	0.68		
	0.6	B-17	S29-3	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04		
	0.3	B-17	S29-3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02		
	0.2	B-17	S29-3	C	Residential 10+ dwellings/acre	69	50	86	0.17	0.17	0.17	0.16	0.16	0.14		0.20	0.25	0.01	0.02	0.02		
	2.9	B-17	S29-3	B	Residential 8-10 dwellings/acre	56	36	76	1.99	1.95	1.90	1.81	1.67	1.54		0.40	0.30	0.35	0.58	0.70		
	11.4	B-17	S29-3	C	Residential 8-10 dwellings/acre	69	50	86	8.66	8.50	8.29	7.91	7.22	6.47		0.40	0.25	1.37	2.28	2.74		
	0.9	B-17	S29-3	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.71	0.69	0.66	0.60	0.54		0.40	0.20	0.11	0.18	0.22		
	2.4	B-18	S29-3	B	Residential 10+ dwellings/acre	56	36	76	1.98	1.96	1.93	1.88	1.79	1.70		0.20	0.30	0.14	0.24	0.29		
	7.1	B-18	S29-3	B	Residential 5-7 dwellings/acre	56	36	76	4.38	4.26	4.11	3.86	3.48	3.15		0.50	0.30	1.07	1.78	2.13		
	3.6	B-18	S29-3	C	Residential 5-7 dwellings/acre	69	50	86	2.55	2.50	2.41	2.27	2.02	1.76		0.50	0.25	0.54	0.90	1.08		
	0.3	B-18	S29-3	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09		
	10.5	B-18	S29-3	B	Residential 8-10 dwellings/acre	56	36	76	7.20	7.05	6.86	6.55	6.04	5.58		0.40	0.30	1.26	2.10	2.52		
	9.4	B-18	S29-3	C	Residential 8-10 dwellings/acre	69	50	86	7.14	7.01	6.83	6.52	5.95	5.33		0.40	0.25	1.13	1.88	2.26		
	0.3	B-18	S29-3	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.24	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07		
	7.7	B-21	S29-3	B	Residential 10+ dwellings/acre	56	36	76	6.34	6.27	6.18	6.03	5.75	5.44		0.20	0.30	0.46	0.77	0.92		
	0.4	B-21	S29-3	C	Residential 10+ dwellings/acre	69	50	86	0.34	0.34	0.34	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05		
	1.7	B-21	S29-3	D	Residential 10+ dwellings/acre	75	57	91	1.49	1.48	1.46	1.42	1.35	1.26		0.20	0.20	0.10	0.17	0.20		
	0.4	B-21	S29-3	B	Residential 5-7 dwellings/acre	56	36	76	0.25	0.24	0.23	0.22	0.20	0.18		0.50	0.30	0.06	0.10	0.12		
	0.2	B-23	S29-3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01		
	2.4	B-23	S29-3	D	Commercial, Industrial	75	57	91	2.21	2.19	2.17	2.14	2.06	1.95		0.10	0.20	0.07	0.12	0.14		
	1.2	B-23	S29-3	B	Public Park	56	36	76	0.45	0.42	0.38	0.32	0.23	0.17		0.85	0.30	0.31	0.51	0.61		

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100										
						AMC				P ₂₄ (Inches)				5.63								
						II	I	III	AMC 1/AMCII													

	0.1	B-23	S29.3	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05	
	0.2	B-23	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06	
	0.1	B-23	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	0.5	B-23	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.34	0.34	0.33	0.31	0.29	0.27		0.40	0.30	0.06	0.10	0.12	
	1.4	B-23	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	1.06	1.04	1.02	0.97	0.89	0.79		0.40	0.25	0.17	0.28	0.34	
	7.4	B-23	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	5.90	5.81	5.67	5.43	4.97	4.43		0.40	0.20	0.89	1.48	1.78	
	3.2	B-27	S29.3	B	Commercial, Industrial	56	36	76	2.85	2.84	2.81	2.76	2.66	2.54		0.10	0.30	0.10	0.16	0.19	
	0.7	B-27	S29.3	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04	
	0.9	B-27	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.74	0.73	0.72	0.70	0.67	0.64		0.20	0.30	0.05	0.09	0.11	
	0.3	B-27	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04	
	2.0	B-28	S29.3	A	Commercial, Industrial	32	17	52	1.73	1.73	1.72	1.70	1.65	1.59		0.10	0.40	0.06	0.10	0.12	
	4.6	B-28	S29.3	B	Commercial, Industrial	56	36	76	4.10	4.08	4.04	3.97	3.83	3.65		0.10	0.30	0.14	0.23	0.28	
	5.6	B-28	S29.3	C	Commercial, Industrial	69	50	86	5.10	5.07	5.02	4.93	4.74	4.50		0.10	0.25	0.17	0.28	0.34	
	1.6	B-28	S29.3	C	Open Brush, Fair	77	59	92	0.94	0.89	0.84	0.80	0.75	0.70		1.00	0.25	0.48	0.80	0.96	
	0.7	B-28	S29.3	B	Orchards, Evergreen, Fair	65	45	83	0.28	0.26	0.23	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42	
	0.2	B-28	S29.3	D	Orchards, Evergreen, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12	
	7.3	B-28	S29.3	B	Public Park	56	36	76	2.74	2.56	2.32	1.94	1.39	1.01		0.85	0.30	1.86	3.10	3.72	
	0.8	B-28	S29.3	C	Public Park	69	50	86	0.43	0.41	0.38	0.33	0.25	0.17		0.85	0.25	0.20	0.34	0.41	
	0.2	B-28	S29.3	D	Public Park	75	57	91	0.12	0.12	0.11	0.10	0.08	0.06		0.85	0.20	0.05	0.09	0.10	
	0.1	B-28	S29.3	A	Residential 2.5 acre lots	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.90	0.40	0.03	0.05	0.05	
	4.0	B-28	S29.3	B	Residential 2.5 acre lots	56	36	76	1.36	1.26	1.12	0.91	0.59	0.38		0.90	0.30	1.08	1.80	2.16	
	4.2	B-28	S29.3	C	Residential 2.5 acre lots	69	50	86	2.14	2.02	1.87	1.61	1.16	0.73		0.90	0.25	1.13	1.89	2.27	
	2.3	B-28	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	1.42	1.38	1.33	1.25	1.13	1.02		0.50	0.30	0.35	0.58	0.69	
	0.5	B-28	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.35	0.35	0.34	0.32	0.28	0.24		0.50	0.25	0.08	0.13	0.15	
	0.1	B-28	S29.3	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.4	B-28	S29.3	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01		1.00	0.25	0.12	0.20	0.24	
	0.3	B-5	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.3	B-5	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02	
	0.2	B-5	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.16	0.16	0.16	0.16	0.15	0.14		0.20	0.30	0.01	0.02	0.02	
	0.6	B-5	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.47	0.43		0.20	0.25	0.04	0.06	0.07	
	0.1	B-5	S29.3	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05	
	0.4	B-6	S29.3	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02	
	0.5	B-6	S29.3	C	Commercial, Industrial	69	50	86	0.46	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03	
	0.8	B-6	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10	
	0.4	B-6	S29.3	B	Residential 2.5 acre lots	56	36	76	0.14	0.13	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22	
	1.2	B-6	S29.3	C	Residential 2.5 acre lots	69	50	86	0.61	0.58	0.53	0.46	0.33	0.21		0.90	0.25	0.32	0.54	0.65	
	0.3	B-7	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.4	B-7	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02	
	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		0.20	0.30	0.01	0.01	0.01	
	0.3	B-7	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.26	0.26	0.25	0.25	0.23	0.22		0.20	0.25	0.02	0.03	0.04	
	0.2	B-7	S29.3	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.06	0.05	0.03	0.02		0.90	0.30	0.05	0.09	0.11	
	1.5	B-7	S29.3	C	Residential 2.5 acre lots	69	50	86	0.76	0.72	0.67	0.57	0.41	0.26		0.90	0.25	0.41	0.68	0.81	
	0.7	B-8	S29.3	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.56		0.10	0.30	0.02	0.04	0.04	
	2.5	B-8	S29.3	C	Commercial, Industrial	69	50	86	2.28	2.26	2.24	2.20	2.12	2.01		0.10	0.25	0.08	0.13	0.15	
	0.3	B-8	S29.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02	
	0.3	B-8	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.23	0.22	0.21		0.20	0.30	0.02	0.03	0.04	
	0.1	B-8	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	0.2	B-8	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
	2.6	B-8	S29.3	B	Residential 2.5 acre lots	56	36	76	0.89	0.82	0.73	0.59	0.38	0.25		0.90	0.30	0.70	1.17	1.40	
	9.3	B-8	S29.3	C	Residential 2.5 acre lots	69	50	86	4.73	4.48	4.14	3.56	2.57	1.62		0.90	0.25	2.51	4.19	5.02	
	1.5	B-8	S29.3	D	Residential 2.5 acre lots	75	57	91	0.89	0.85	0.80	0.71	0.54	0.37		0.90	0.20	0.41	0.68	0.81	
	2.4	B-9	S29.3	B	Commercial, Industrial	56	36	76	2.14	2.13	2.11	2.07	2.00	1.91		0.10	0.30	0.07	0.12	0.14	
	0.2	B-9	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01	
	0.3	B-9	S29.3	D	Commercial, Industrial	75	57	91	0.23	0.23	0.23	0.22	0.21	0.20		0.10	0.20	0.01	0.01	0.02	
	2.1	B-9	S29.3	B	Residential 2.5 acre lots	56	36	76	0.70	0.65	0.58	0.46	0.30	0.19		0.90	0.30	0.55	0.92	1.11	
	0.3	B-9	S29.3	C	Residential 2.5 acre lots	69	50	86	0.15	0.14	0.13	0.11	0.08	0.05		0.90	0.25	0.08	0.14	0.16	
	0.5	B-9	S29.3	D	Residential 2.5 acre lots	75	57	91	0.30	0.28	0.27	0.24	0.18	0.12		0.90	0.20	0.14	0.23	0.27	
	2.17		S30	A	Apartments	32	17	52	1.68	1.67	1.66	1.64	1.59	1.53		0.20	0.40	0.13	0.22	0.26	
	19.41		S30	B	Apartments	56	36	76	15.98	15.81	15.59	15.20	14.50	13.72		0.20	0.30	1.16	1.94	2.33	
	1.31		S30	C	Apartments	69	50	86	1.13	1.12	1.10	1.07	1.02	0.95		0.20	0.25	0.08	0.13	0.16	
	0.63		S30	D	Apartments	75	57	91	0.55	0.55	0.54	0.53	0.50	0.47		0.20	0.20	0.04	0.06	0.08	
	0.68		S30	C	Chaparral, Broadleaf, Fair	75	57	91	0.38	0.36	0.33	0.11	0.05	0.01		1.00	0.25	0.20	0.34	0.41	
	0.01		S30	A	Condominiums	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.35	0.40				

RANCHO MISSION VIEJO																							
PA-3&4(Ultimate Conditions)																							
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																							
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				
							EV					100											
							100	50	25	10	5		2										
							P ₂₄ (Inches)																
							AMC						AMC I/AMCII							5.63			
II	I	III																					
	37.38		S30	B	Open Brush, Fair	66	46	84	15.43	14.32	12.82	2.05	0.27	0.00		1.00	0.30	11.21	18.69	22.43			
	452.58		S30	C	Open Brush, Fair	77	59	92	264.83	252.90	236.29	84.52	41.25	9.18		1.00	0.25	135.77	226.29	271.55			
	8.00		S30	D	Open Brush, Fair	83	67	96	5.49	5.31	5.06	2.35	1.44	0.62		1.00	0.20	2.40	4.00	4.80			
	20.05		S30	B	Orchards, Evergreen, Fair	65	45	83	7.98	7.38	6.58	0.92	0.08	0.00		1.00	0.30	6.02	10.03	12.03			
	35.24		S30	C	Orchards, Evergreen, Fair	77	59	92	20.62	19.69	18.40	6.58	3.21	0.72		1.00	0.25	10.57	17.62	21.14			
	3.87		S30	A	Public Park	32	17	52	0.64	0.60	0.57	0.55	0.53	0.51		0.85	0.40	0.99	1.64	1.97			
	16.21		S30	B	Public Park	56	36	76	6.08	5.68	5.15	4.31	3.08	2.24		0.85	0.30	4.13	6.89	8.27			
	14.26		S30	C	Public Park	69	50	86	7.61	7.24	6.75	5.90	4.45	3.05		0.85	0.25	3.64	6.06	7.27			
	0.76		S30	D	Public Park	75	57	91	0.47	0.45	0.42	0.38	0.30	0.21		0.85	0.20	0.19	0.32	0.39			
	38.41		S30	B	Residential 1 acre lots	56	36	76	15.74	14.83	13.64	11.75	8.94	6.99		0.80	0.30	9.22	15.36	18.44			
	29.50		S30	C	Residential 1 acre lots	69	50	86	16.48	15.77	14.79	13.13	10.26	7.47		0.80	0.25	7.08	11.80	14.16			
	7.64		S30	A	Residential 2 dwellings/acre	32	17	52	2.33	2.27	2.21	2.16	2.10	2.02		0.70	0.40	1.60	2.67	3.21			
	96.41		S30	B	Residential 3-4 dwellings/acre	56	36	76	46.15	44.11	41.43	37.15	30.71	25.97		0.70	0.30	20.25	33.74	40.49			
	125.34		S30	C	Residential 2 dwellings/acre	69	50	86	76.32	73.62	69.92	63.57	52.54	41.58		0.70	0.25	26.32	43.87	52.64			
	23.54		S30	D	Residential 2 dwellings/acre	75	57	91	15.89	15.42	14.75	13.59	11.44	9.12		0.70	0.20	4.94	8.24	9.89			
	1.01		S30	A	Residential 3-4 dwellings/acre	32	17	52	0.40	0.40	0.39	0.38	0.37	0.36		0.60	0.40	0.18	0.30	0.36			
	86.85		S30	B	Residential 3-4 dwellings/acre	56	36	76	47.56	45.94	43.81	40.37	35.10	30.99		0.60	0.30	15.63	26.06	31.27			
	144.00		S30	C	Residential 3-4 dwellings/acre	69	50	86	94.93	92.19	88.44	81.97	70.63	59.09		0.60	0.25	25.92	43.20	51.84			
	14.92		S30	D	Residential 3-4 dwellings/acre	75	57	91	10.68	10.42	10.05	9.39	8.17	6.83		0.60	0.20	2.69	4.48	5.37			
	1.95		S30	A	Residential 5-7 dwellings/acre	32	17	52	0.96	0.95	0.93	0.92	0.90	0.86		0.50	0.40	0.29	0.49	0.59			
	99.54		S30	B	Residential 5-7 dwellings/acre	56	36	76	61.37	59.76	57.64	54.19	48.76	44.23		0.50	0.30	14.93	24.89	29.86			
	131.14		S30	C	Residential 5-7 dwellings/acre	69	50	86	93.05	90.89	87.93	82.80	73.67	64.11		0.50	0.25	19.67	32.79	39.34			
	12.10		S30	D	Residential 5-7 dwellings/acre	75	57	91	9.16	8.97	8.71	8.24	7.38	6.40		0.50	0.20	1.82	3.03	3.63			
	19.70		S30	B	Residential 8-10 dwellings/acre	56	36	76	13.50	13.23	12.88	12.29	11.34	10.48		0.40	0.30	2.36	3.94	4.73			
	7.60		S30	C	Residential 8-10 dwellings/acre	69	50	86	5.77	5.67	5.52	5.27	4.81	4.31		0.40	0.25	0.91	1.52	1.82			
	12.71		S30	B	School	56	36	76	6.96	6.72	6.41	5.91	5.14	4.54		0.60	0.30	2.29	3.81	4.58			
	9.16		S30	C	School	69	50	86	6.04	5.86	5.63	5.21	4.49	3.76		0.60	0.25	1.65	2.75	3.30			
	23.69		S30	A	Turf, Good	33	17	53	0.73	0.45	0.18	0.00	0.00	0.00		1.00	0.40	7.11	11.85	14.21			
	117.50		S30	B	Turf, Good	58	38	77	35.11	31.68	27.17	19.95	9.19	1.64		1.00	0.30	35.25	58.75	70.50			
	22.40		S30	C	Turf, Good	72	53	89	11.30	10.66	9.79	8.27	5.61	2.96		1.00	0.25	6.72	11.20	13.44			
	3.50		S30	D	Turf, Good	79	62	93	2.16	2.08	1.95	1.73	1.32	0.86		1.00	0.20	1.05	1.75	2.10			
	0.51		S30	A	Water	98	95	100	0.49	0.49	0.49	0.48	0.47	0.45		0.00	0.40	0.00	0.00	0.00			
	14.50		S30	B	Water	98	95	100	13.93	13.88	13.81	13.66	13.32	12.79		0.00	0.30	0.00	0.00	0.00			
	1.56		S30	C	Water	98	95	100	1.50	1.49	1.49	1.47	1.43	1.38		0.00	0.25	0.00	0.00	0.00			
	2.35		S30	D	Water	98	95	100	2.26	2.25	2.24	2.21	2.16	2.07		0.00	0.20	0.00	0.00	0.00			
	24.20		S30	A	Woodland, Grass, Fair	44	26	64	3.09	2.54	1.88	0.00	0.00	0.00		1.00	0.40	7.26	12.10	14.52			
	31.86		S30	B	Woodland, Grass, Fair	65	45	83	12.68	11.73	10.45	1.47	0.13	0.00		1.00	0.30	9.56	15.93	19.12			
	46.40		S30	C	Woodland, Grass, Fair	77	59	92	27.15	25.93	24.22	8.66	4.23	0.94		1.00	0.25	13.92	23.20	27.84			
	0.01		S30	D	Woodland, Grass, Fair	82	66	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.20	0.00	0.01	0.01			
	5.17		S31	B	Chaparral, Broadleaf, Fair	63	43	81	1.91	1.75	1.55	0.17	0.00	0.00		1.00	0.30	1.55	2.59	3.10			
	18.15		S31	C	Chaparral, Broadleaf, Fair	75	57	91	10.03	9.53	8.84	2.87	1.26	0.18		1.00	0.25	5.45	9.08	10.89			
	12.74		S31	D	Chaparral, Broadleaf, Fair	81	64	95	8.31	8.00	7.58	3.22	1.85	0.67		1.00	0.20	3.82	6.37	7.64			
	2.64		S31	B	Chaparral, Narrowleaf, Fair	72	53	89	1.33	1.26	1.15	0.31	0.11	0.00		1.00	0.30	0.79	1.32	1.58			
	23.13		S31	C	Chaparral, Narrowleaf, Fair	81	64	95	15.08	14.53	13.76	5.84	3.35	1.22		1.00	0.25	6.94	11.57	13.88			
	3.78		S31	D	Chaparral, Narrowleaf, Fair	86	72	97	2.79	2.72	2.61	1.37	0.92	0.48		1.00	0.20	1.13	1.89	2.27			
	0.16		S31	C	Commercial, Industrial	69	50	86	0.15	0.14	0.14	0.14	0.14	0.13		0.10	0.25	0.00	0.01	0.01			
	0.84		S31	D	Commercial, Industrial	75	57	91	0.77	0.77	0.76	0.75	0.72	0.68		0.10	0.20	0.03	0.04	0.05			
	0.55		S31	A	Condominiums	32	17	52	0.35	0.35	0.34	0.34	0.33	0.32		0.35	0.40	0.06	0.10	0.12			
	0.95		S31	B	Condominiums	56	36	76	0.68	0.67	0.66	0.63	0.59	0.55		0.35	0.30	0.10	0.17	0.20			
	13.97		S31	C	Condominiums	69	50	86	10.97	10.79	10.55	10.12	9.34	8.48		0.35	0.25	1.47	2.44	2.93			
	0.00		S31	D	Condominiums	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.20	0.00	0.00	0.00			
	4.75		S31	B	Fallow	86	72	97	3.51	3.42	3.28	1.72	1.16	0.60		1.00	0.30	1.43	2.38	2.85			
	20.45		S31	C	Fallow	91	80	98	16.95	16.67	16.26	10.44	8.04	5.33		1.00	0.25	6.14	10.23	12.27			
	0.81		S31	D	Fallow	94	85	99	0.72	0.71	0.70	0.50	0.42	0.31		1.00	0.20	0.24	0.41	0.49			
	3.48		S31	B	Grass, Annual or Perennial, Fair	69	50	86	1.59	1.49	1.35	0.29	0.07	0.00		1.00	0.30	1.04	1.74	2.09			
	36.54		S31	C	Grass, Annual or Perennial, Fair	79	62	93	22.59	21.67	20.39	7.94	4.22	1.24		1.00	0.25	10.96	18.27	21.92			
	1.39		S31	D	Grass, Annual or Perennial, Fair	84	69	96	0.98	0.95	0.91	0.44	0.28	0.13		1.00	0.20	0.42	0.70	0.83			
	0.07		S31	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.04			
	27.57		S31	B	Open Brush, Fair	66	46	84	11.38	10.56	9.45	1.51	0.20	0.00		1.00	0.30	8.27	13.79	16.54			
	420.56		S31	C	Open Brush, Fair	77	59	92	246.09	235.01	219.57	78.54	38.33	8.53		1.00	0.25	126.17	210.28	252.34			
	21.02		S31	D	Open Brush, Fair	83	67	96	14.43	13.96	13.30	6.16	3.79	1.63		1.00	0.20	6.31	10.51	12.61			
	16.33		S31	A	Public Park	32	17	52	2.69	2.54	2.40	2.31	2.25	2.16		0.85	0.40	4.16	6.94	8.33			
	6.44		S31	B	Public Park	56	36	76	2.42	2.26	2.05	1.71	1.										

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC 1/AMC II						5.63							
	103.79		S31	B	Residential 3-4 dwellings/acre	56	36	76	56.83	54.90	52.35	48.25	41.95	37.04		0.60	0.30	18.68	31.14	37.36		
	103.53		S31	C	Residential 3-4 dwellings/acre	69	50	86	68.25	66.28	63.59	58.94	50.78	42.48		0.60	0.25	18.64	31.06	37.27		
	2.40		S31	D	Residential 3-4 dwellings/acre	75	57	91	1.72	1.68	1.62	1.51	1.31	1.10		0.60	0.20	0.43	0.72	0.86		
	12.16		S31	A	Residential 5-7 dwellings/acre	32	17	52	5.99	5.91	5.82	5.73	5.58	5.36		0.50	0.40	1.82	3.04	3.65		
	148.36		S31	B	Residential 5-7 dwellings/acre	56	36	76	91.46	89.07	85.91	80.76	72.68	65.92		0.50	0.30	22.25	37.09	44.51		
	167.09		S31	C	Residential 5-7 dwellings/acre	69	50	86	118.56	115.81	112.04	105.50	93.87	81.69		0.50	0.25	25.06	41.77	50.13		
	7.77		S31	D	Residential 5-7 dwellings/acre	75	57	91	5.88	5.76	5.59	5.29	4.74	4.11		0.50	0.20	1.17	1.94	2.33		
	28.80		S31	A	Row Crops, Poor	72	53	89	14.53	13.71	12.58	3.42	1.22	0.04		1.00	0.40	8.64	14.40	17.28		
	3.32		S31	B	Row Crops, Poor	81	64	95	2.16	2.09	1.97	0.84	0.48	0.17		1.00	0.30	1.00	1.66	1.99		
	6.60		S31	C	Row Crops, Poor	88	75	98	5.11	5.00	4.83	2.75	1.96	1.14		1.00	0.25	1.98	3.30	3.96		
	1.34		S31	D	Row Crops, Poor	91	80	98	1.11	1.09	1.07	0.68	0.53	0.35		1.00	0.20	0.40	0.67	0.80		
	6.21		S31	B	School	56	36	76	3.40	3.28	3.13	2.89	2.51	2.22		0.60	0.30	1.12	1.86	2.24		
	11.04		S31	C	School	69	50	86	7.28	7.07	6.78	6.28	5.41	4.53		0.60	0.25	1.99	3.31	3.97		
	3.90		S31	D	School	75	57	91	2.79	2.72	2.63	2.45	2.14	1.79		0.60	0.20	0.70	1.17	1.40		
	51.85		S31	A	Turf, Good	33	17	53	1.59	0.99	0.40	0.00	0.00	0.00		1.00	0.40	15.56	25.93	31.11		
	114.80		S31	B	Turf, Good	58	38	77	34.30	30.95	26.54	19.49	8.98	1.60		1.00	0.30	34.44	57.40	68.88		
	33.86		S31	C	Turf, Good	72	53	89	17.09	16.12	14.79	12.50	8.48	4.48		1.00	0.25	10.16	16.93	20.32		
	0.44		S31	D	Turf, Good	79	62	93	0.27	0.26	0.25	0.22	0.17	0.11		1.00	0.20	0.13	0.22	0.26		
	33.60		S31	A	Woodland, Grass, Fair	44	26	64	4.29	3.53	2.61	0.00	0.00	0.00		1.00	0.40	10.08	16.80	20.16		
	26.08		S31	B	Woodland, Grass, Fair	65	45	83	10.38	9.60	8.55	1.20	0.11	0.00		1.00	0.30	7.82	13.04	15.65		
	48.80		S31	C	Woodland, Grass, Fair	77	59	92	28.56	27.27	25.48	9.11	4.45	0.99		1.00	0.25	14.64	24.40	29.28		
	1.07		S31	D	Woodland, Grass, Fair	82	66	95	0.72	0.69	0.66	0.29	0.17	0.07		1.00	0.20	0.32	0.54	0.64		
	1.50		S32	C	Barren	91	80	98	1.24	1.22	1.19	0.77	0.59	0.39		1.00	0.25	0.45	0.75	0.90		
	0.60		S32	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.32	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36		
	10.15		S32	B	Commercial, Industrial	56	36	76	9.05	8.99	8.91	8.75	8.45	8.06		0.10	0.30	0.30	0.51	0.61		
	0.33		S32	C	Commercial, Industrial	69	50	86	0.30	0.30	0.30	0.29	0.28	0.27		0.10	0.25	0.01	0.02	0.02		
	4.83		S32	D	Commercial, Industrial	75	57	91	4.44	4.42	4.37	4.30	4.14	3.92		0.10	0.20	0.14	0.24	0.29		
	8.06		S32	B	Condominiums	56	36	76	5.80	5.70	5.57	5.35	4.98	4.64		0.35	0.30	0.85	1.41	1.69		
	7.30		S32	C	Condominiums	69	50	86	5.73	5.64	5.51	5.29	4.88	4.43		0.35	0.25	0.77	1.28	1.53		
	0.90		S32	A	Fallow	77	59	92	0.53	0.50	0.47	0.17	0.08	0.02		1.00	0.40	0.27	0.45	0.54		
	1.13		S32	B	Fallow	86	72	97	0.83	0.81	0.78	0.41	0.28	0.14		1.00	0.30	0.34	0.57	0.68		
	3.76		S32	C	Fallow	91	80	98	3.12	3.06	2.99	1.92	1.48	0.98		1.00	0.25	1.13	1.88	2.26		
	2.57		S32	D	Fallow	94	85	99	2.27	2.25	2.21	1.60	1.33	0.99		1.00	0.20	0.77	1.29	1.54		
	0.13		S32	A	Grass, Annual or Perennial, Fair	50	31	70	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.04	0.07	0.08		
	75.47		S32	B	Grass, Annual or Perennial, Fair	69	50	86	34.57	32.35	29.34	6.36	1.62	0.00		1.00	0.30	22.64	37.74	45.28		
	143.60		S32	C	Grass, Annual or Perennial, Fair	79	62	93	88.79	85.18	80.12	31.21	16.58	4.86		1.00	0.25	43.08	71.80	86.16		
	7.85		S32	D	Grass, Annual or Perennial, Fair	84	69	96	5.52	5.36	5.12	2.47	1.57	0.72		1.00	0.20	2.36	3.93	4.71		
	25.40		S32	B	Open Brush, Fair	66	46	84	10.48	9.73	8.71	1.39	0.19	0.00		1.00	0.30	7.62	12.70	15.24		
	310.79		S32	C	Open Brush, Fair	77	59	92	181.86	173.67	162.26	58.04	28.33	6.31		1.00	0.25	93.24	155.40	186.47		
	7.06		S32	D	Open Brush, Fair	83	67	96	4.85	4.69	4.47	2.07	1.27	0.55		1.00	0.20	2.12	3.53	4.24		
	19.85		S32	B	Public Park	56	36	76	7.45	6.96	6.31	5.28	3.77	2.74		0.85	0.30	5.06	8.44	10.12		
	5.35		S32	C	Public Park	69	50	86	2.85	2.72	2.53	2.21	1.67	1.14		0.85	0.25	1.36	2.27	2.73		
	5.96		S32	D	Public Park	75	57	91	3.66	3.52	3.32	2.97	2.35	1.68		0.85	0.20	1.52	2.53	3.04		
	30.31		S32	C	Residential 2 dwellings/acre	69	50	86	18.46	17.80	16.91	15.37	12.70	10.06		0.70	0.25	6.37	10.61	12.73		
	1.81		S32	D	Residential 2 dwellings/acre	75	57	91	1.22	1.19	1.13	1.04	0.88	0.70		0.70	0.20	0.38	0.63	0.76		
	0.30		S32	A	Residential 3-4 dwellings/acre	32	17	52	0.12	0.12	0.12	0.11	0.11	0.11		0.60	0.40	0.05	0.09	0.11		
	71.64		S32	B	Residential 3-4 dwellings/acre	56	36	76	39.23	37.89	36.14	33.30	28.96	25.57		0.60	0.30	12.90	21.49	25.79		
	97.27		S32	C	Residential 3-4 dwellings/acre	69	50	86	64.12	62.27	59.74	55.37	47.71	39.91		0.60	0.25	17.51	29.18	35.02		
	10.38		S32	D	Residential 3-4 dwellings/acre	75	57	91	7.43	7.25	6.99	6.53	5.69	4.75		0.60	0.20	1.87	3.11	3.74		
	1.16		S32	A	Residential 5-7 dwellings/acre	32	17	52	0.57	0.56	0.55	0.55	0.53	0.51		0.50	0.40	0.17	0.29	0.35		
	61.61		S32	B	Residential 5-7 dwellings/acre	56	36	76	37.98	36.99	35.68	33.54	30.18	27.38		0.50	0.30	9.24	15.40	18.48		
	77.55		S32	C	Residential 5-7 dwellings/acre	69	50	86	55.02	53.75	52.00	48.96	43.57	37.91		0.50	0.25	11.63	19.39	23.27		
	18.29		S32	D	Residential 5-7 dwellings/acre	75	57	91	13.84	13.56	13.16	12.46	11.15	9.67		0.50	0.20	2.74	4.57	5.49		
	0.49		S32	A	Row Crops, Poor	72	53	89	0.25	0.23	0.21	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.29		
	0.02		S32	B	Row Crops, Poor	81	64	95	0.01	0.01	0.01	0.01	0.00	0.00		1.00	0.30	0.01	0.01	0.01		
	2.90		S32	C	Row Crops, Poor	88	75	98	2.25	2.20	2.12	1.21	0.86	0.50		1.00	0.25	0.87	1.45	1.74		
	2.20		S32	D	Row Crops, Poor	91	80	98	1.82	1.79	1.75	1.12	0.86	0.57		1.00	0.20	0.66	1.10	1.32		
	3.35		S32	B	School	56	36	76	1.83	1.77	1.69	1.56	1.35	1.20		0.60	0.30	0.60	1.01	1.21		
	4.81		S32	C	School	69	50	86	3.17	3.08	2.95	2.74	2.36	1.97		0.60	0.25	0.87	1.44	1.73		
	5.12		S32	D	School	75	57	91	3.67	3.57	3.45	3.22	2.81	2.34		0.60	0.20	0.92	1.54	1.84		
	3.04		S32	A	Woodland, Grass, Fair	44	26	64	0.39	0.32	0.24	0.00	0.00	0.00		1.00	0.40	0.91	1.52	1.82		
	73.14		S32	B	Woodland, Grass, Fair	65	45	83	29.11	26.92	23.99	3.37	0.30	0.00		1.00	0.30	21.94	36.57	43.88		
	18.30		S32	C	Woodland, Grass, Fair	77	59	92	10.71	10.23	9.55	3.42	1.67	0.37		1.00	0.25	5.49	9.15	10.98		
	1.40		S32	D	Woodland, Grass, Fair	82	66	95	0.94	0.90	0.86	0.38	0.23	0.09		1.00	0.20	0.42	0.70	0.84		
	0.1	HZ-206	S33	A	Barren	78	61	93	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.40	0.03	0.05	0.06		
	2.6	HZ-206	S33	A	Open Brush, Fair	46	28	66	0.39	0.33	0.25	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56		
	3.1	HZ-206	S33	A	Row Crops, Poor	72	53	89	1.56	1.48	1.35	0.37	0.13	0.00		1.00	0.40	0.93	1.55	1.86		
	0.4	HZ-206	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24		
	0.2	HZ-206	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30</					

RANCHO MISSION VIEJO																								
PA-3&4(Ultimate Conditions)																								
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																								
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	100										
						AMC			P ₂₄ (Inches)											5.63				
						II	I	III	AMC 1/AMCII															
	34.6	HZ-206	S33	B	Row Crops, Poor	81	64	95	22.56	21.74	20.58	8.74	5.01	1.82		1.00	0.30	10.38	17.30	20.76				
	2.4	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.96	0.88	0.79	0.11	0.01	0.00		1.00	0.30	0.72	1.20	1.44				
	22.6	HZ-206	S33	C	Open Brush, Fair	77	59	92	13.22	12.63	11.80	4.22	2.06	0.46		1.00	0.25	6.78	11.30	13.56				
	11.6	HZ-206	S33	C	Row Crops, Poor	88	75	98	8.98	8.78	8.49	4.84	3.45	2.00		1.00	0.25	3.48	5.80	6.96				
	0.4	HZ-206	S33	D	Apartments	75	57	91	0.35	0.35	0.34	0.34	0.32	0.30		0.20	0.20	0.02	0.04	0.05				
	4.8	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	3.13	3.02	2.85	1.21	0.70	0.25		1.00	0.20	1.44	2.40	2.88				
	1.6	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.13	1.09	1.04	0.50	0.32	0.15		1.00	0.20	0.48	0.80	0.96				
	46.4	HZ-206	S33	D	Open Brush, Fair	83	67	96	31.85	30.82	29.35	13.61	8.37	3.59		1.00	0.20	13.92	23.20	27.84				
	0.1	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01				
	60.7	HZ-206	S33	D	Row Crops, Poor	91	80	98	50.32	49.48	48.26	30.98	23.86	15.81		1.00	0.20	18.21	30.35	36.42				
	5.8	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.88	3.75	3.56	1.58	0.94	0.37		1.00	0.20	1.74	2.90	3.48				
	0.2	HZ-207	S33	A	Barren	78	61	93	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.40	0.06	0.10	0.12				
	0.4	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24				
	0.8	HZ-207	S33	B	Barren	86	72	97	0.59	0.58	0.55	0.29	0.20	0.10		1.00	0.30	0.24	0.40	0.48				
	1.4	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.25	1.24	1.23	1.21	1.17	1.11		0.10	0.30	0.04	0.07	0.08				
	2.6	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	1.19	1.11	1.01	0.22	0.06	0.00		1.00	0.30	0.78	1.30	1.56				
	2.2	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.91	0.84	0.75	0.12	0.02	0.00		1.00	0.30	0.66	1.10	1.32				
	3.1	HZ-207	S33	B	Row Crops, Poor	81	64	95	2.02	1.95	1.84	0.78	0.45	0.16		1.00	0.30	0.93	1.55	1.86				
	3.4	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.35	1.25	1.12	0.16	0.01	0.00		1.00	0.30	1.02	1.70	2.04				
	0.5	HZ-207	S33	D	Barren	93	83	99	0.43	0.43	0.42	0.29	0.24	0.17		1.00	0.20	0.15	0.25	0.30				
	0.2	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12				
	3.6	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.31	3.29	3.26	3.20	3.08	2.92		0.10	0.20	0.11	0.18	0.22				
	4	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.81	2.73	2.61	1.26	0.80	0.37		1.00	0.20	1.20	2.00	2.40				
	14.6	HZ-207	S33	D	Open Brush, Fair	83	67	96	10.02	9.70	9.24	4.28	2.63	1.13		1.00	0.20	4.38	7.30	8.76				
	6.3	HZ-207	S33	D	Row Crops, Poor	91	80	98	5.22	5.14	5.01	3.22	2.48	1.64		1.00	0.20	1.89	3.15	3.78				
	3.7	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.48	2.39	2.27	1.01	0.60	0.24		1.00	0.20	1.11	1.85	2.22				
	0.1	HZ-208	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06				
	0.2	HZ-208	S33	A	Open Brush, Fair	46	28	66	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12				
	5	HZ-208	S33	A	Woodland, Grass, Fair	44	26	64	0.64	0.53	0.39	0.00	0.00	0.00		1.00	0.40	1.50	2.50	3.00				
	3.2	HZ-208	S33	B	Commercial, Industrial	56	36	76	2.85	2.84	2.81	2.76	2.66	2.54		0.10	0.30	0.10	0.16	0.19				
	0.1	HZ-208	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.9	HZ-208	S33	B	Open Brush, Fair	66	46	84	0.37	0.34	0.31	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54				
	0.3	HZ-208	S33	C	Apartments	69	50	86	0.26	0.26	0.25	0.25	0.23	0.22		0.20	0.25	0.02	0.03	0.04				
	0.2	HZ-208	S33	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12				
	1	HZ-208	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.16	0.07	0.01		1.00	0.25	0.30	0.50	0.60				
	41.9	HZ-208	S33	C	Commercial, Industrial	69	50	86	38.16	37.90	37.54	36.87	35.49	33.65		0.10	0.25	1.26	2.10	2.51				
	7.2	HZ-208	S33	C	Grass, Annual or Perennial, Fair	79	62	93	4.45	4.27	4.02	1.56	0.83	0.24		1.00	0.25	2.16	3.60	4.32				
	25	HZ-208	S33	C	Open Brush, Fair	77	59	92	14.63	13.97	13.05	4.67	2.28	0.51		1.00	0.25	7.50	12.50	15.00				
	0.1	HZ-208	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05				
	0.9	HZ-208	S33	C	Row Crops, Poor	88	75	98	0.70	0.68	0.66	0.38	0.27	0.15		1.00	0.25	0.27	0.45	0.54				
	0.3	HZ-208	S33	C	School	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11				
	13.2	HZ-208	S33	C	Woodland, Grass, Fair	77	59	92	7.72	7.38	6.89	2.46	1.20	0.27		1.00	0.25	3.96	6.60	7.92				
	0.5	HZ-208	S33	D	Apartments	75	57	91	0.44	0.44	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06				
	0.6	HZ-208	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03		1.00	0.20	0.18	0.30	0.36				
	33.9	HZ-208	S33	D	Commercial, Industrial	75	57	91	31.19	30.99	30.71	30.17	29.04	27.50		0.10	0.20	1.02	1.70	2.03				
	17.6	HZ-208	S33	D	Grass, Annual or Perennial, Fair	84	69	96	12.38	12.01	11.47	5.54	3.51	1.61		1.00	0.20	5.28	8.80	10.56				
	16.8	HZ-208	S33	D	Open Brush, Fair	83	67	96	11.53	11.16	10.63	4.93	3.03	1.30		1.00	0.20	5.04	8.40	10.08				
	0.6	HZ-208	S33	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.52	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07				
	1.5	HZ-208	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.20	1.18	1.15	1.10	1.01	0.90		0.40	0.20	0.18	0.30	0.36				
	10	HZ-208	S33	D	Row Crops, Poor	91	80	98	8.29	8.15	7.95	5.10	3.93	2.60		1.00	0.20	3.00	5.00	6.00				
	0.3	HZ-208	S33	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11				
	0.7	HZ-208	S33	D	Woodland, Grass, Fair	82	66	95	0.47	0.45	0.43	0.19	0.11	0.05		1.00	0.20	0.21	0.35	0.42				
	0.2	HZ-31010	S33	B	Commercial, Industrial	56	36	76	0.18	0.18	0.18	0.17	0.17	0.16		0.10	0.30	0.01	0.01	0.01				
	0.1	HZ-31010	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.2	HZ-31010	S33	B	Orchards, Evergreen, Fair	65	45	83	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	3.7	HZ-31010	S33	C	Barren	91	80	98	3.07	3.02	2.94	1.89	1.45	0.96		1.00	0.25	1.11	1.85	2.22				
	0.3	HZ-31010	S33	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02				
	3.2	HZ-31010	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.98	1.90	1.79	0.70	0.37	0.11		1.00	0.25	0.96	1.60	1.92				
	3.6	HZ-31010	S33	C	Woodland, Grass, Fair	77	59	92	2.11	2.01	1.88	0.67	0.33	0.07		1.00	0.25	1.08	1.80	2.16				
	1.9																							

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	Storm Event (Year)					HC							
						100	50	25	10	5	2	100	1	2	5	10			20	50	100					
						AMC			P ₂₄ (Inches)																	
						II	I	III	AMC 1/AMCII																	
	0.5	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.33	0.31	0.30	0.13	0.07	0.03		1.00	0.20	0.15	0.25	0.30						
	0.7	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.21	0.13	0.05		1.00	0.20	0.21	0.35	0.42						
	0.1	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06						
	0.3	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.20	0.19	0.18	0.08	0.04	0.02		1.00	0.20	0.09	0.15	0.18						
	1.9	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.30	1.26	1.20	0.56	0.34	0.15		1.00	0.20	0.57	0.95	1.14						
	1.1	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.64	0.61	0.57	0.21	0.10	0.02		1.00	0.25	0.33	0.55	0.66						
	2.5	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.72	1.66	1.58	0.73	0.45	0.19		1.00	0.20	0.75	1.25	1.50						
	0.7	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.39	0.37	0.34	0.11	0.05	0.01		1.00	0.25	0.21	0.35	0.42						
	3	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.76	1.68	1.57	0.56	0.27	0.06		1.00	0.25	0.90	1.50	1.80						
	0.6	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03		1.00	0.20	0.18	0.30	0.36						
	2.1	HZ-31104	S33	D	Open Brush, Fair	83	67	96	1.44	1.39	1.33	0.62	0.38	0.16		1.00	0.20	0.63	1.05	1.26						
	0.6	HZ-31105	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.22	0.20	0.18	0.02	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	0.1	HZ-31105	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06						
	2.8	HZ-31105	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.55	1.47	1.36	0.44	0.19	0.03		1.00	0.25	0.84	1.40	1.68						
	2.6	HZ-31105	S33	C	Open Brush, Fair	77	59	92	1.52	1.45	1.36	0.49	0.24	0.05		1.00	0.25	0.78	1.30	1.56						
	0.6	HZ-31105	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.38	0.36	0.15	0.09	0.03		1.00	0.20	0.18	0.30	0.36						
	4.1	HZ-31105	S33	D	Open Brush, Fair	83	67	96	2.81	2.72	2.59	1.20	0.74	0.32		1.00	0.20	1.23	2.05	2.46						
	0.8	HZ-31106	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.30	0.27	0.24	0.03	0.00	0.00		1.00	0.30	0.24	0.40	0.48						
	1.5	HZ-31106	S33	B	Open Brush, Fair	66	46	84	0.62	0.57	0.51	0.08	0.01	0.00		1.00	0.30	0.45	0.75	0.90						
	1.9	HZ-31106	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.05	1.00	0.93	0.30	0.13	0.02		1.00	0.25	0.57	0.95	1.14						
	8.2	HZ-31106	S33	C	Open Brush, Fair	77	59	92	4.80	4.58	4.28	1.53	0.75	0.17		1.00	0.25	2.46	4.10	4.92						
	2.7	HZ-31106	S33	D	Open Brush, Fair	83	67	96	1.85	1.79	1.71	0.79	0.49	0.21		1.00	0.20	0.81	1.35	1.62						
	0.5	HZ-31107	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.18	0.17	0.15	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30						
	1.1	HZ-31107	S33	B	Open Brush, Fair	66	46	84	0.45	0.42	0.38	0.06	0.01	0.00		1.00	0.30	0.33	0.55	0.66						
	6.5	HZ-31107	S33	C	Chaparral, Broadleaf, Fair	75	57	91	3.59	3.41	3.17	1.03	0.45	0.07		1.00	0.25	1.95	3.25	3.90						
	5.5	HZ-31107	S33	C	Open Brush, Fair	77	59	92	3.22	3.07	2.87	1.03	0.50	0.11		1.00	0.25	1.65	2.75	3.30						
	1.3	HZ-31107	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.85	0.82	0.77	0.33	0.19	0.07		1.00	0.20	0.39	0.65	0.78						
	3.4	HZ-31107	S33	D	Open Brush, Fair	83	67	96	2.33	2.26	2.15	1.00	0.61	0.26		1.00	0.20	1.02	1.70	2.04						
	0.7	HZ-31108	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.26	0.24	0.21	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42						
	2.2	HZ-31108	S33	B	Grass, Annual or Perennial, Fair	69	50	86	1.01	0.94	0.86	0.19	0.05	0.00		1.00	0.30	0.66	1.10	1.32						
	3.1	HZ-31108	S33	B	Open Brush, Fair	66	46	84	1.28	1.19	1.06	0.17	0.02	0.00		1.00	0.30	0.93	1.55	1.86						
	0.9	HZ-31108	S33	B	Woodland, Grass, Fair	65	45	83	0.36	0.33	0.30	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54						
	7.4	HZ-31108	S33	C	Chaparral, Broadleaf, Fair	75	57	91	4.09	3.89	3.61	1.17	0.51	0.08		1.00	0.25	2.22	3.70	4.44						
	0.3	HZ-31108	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.19	0.18	0.17	0.07	0.03	0.01		1.00	0.25	0.09	0.15	0.18						
	11.4	HZ-31108	S33	C	Open Brush, Fair	77	59	92	6.67	6.37	5.95	2.13	1.04	0.23		1.00	0.25	3.42	5.70	6.84						
	8.9	HZ-31108	S33	C	Woodland, Grass, Fair	77	59	92	5.21	4.97	4.65	1.66	0.81	0.18		1.00	0.25	2.67	4.45	5.34						
	1.9	HZ-31108	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.24	1.19	1.13	0.48	0.28	0.10		1.00	0.20	0.57	0.95	1.14						
	9.2	HZ-31108	S33	D	Open Brush, Fair	83	67	96	6.31	6.11	5.82	2.70	1.66	0.71		1.00	0.20	2.76	4.60	5.52						
	1.4	HZ-31108	S33	D	Woodland, Grass, Fair	82	66	95	0.94	0.90	0.86	0.38	0.23	0.09		1.00	0.20	0.42	0.70	0.84						
	0.8	HZ-31109	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.37	0.34	0.31	0.07	0.02	0.00		1.00	0.30	0.24	0.40	0.48						
	0.6	HZ-31109	S33	B	Open Brush, Fair	66	46	84	0.25	0.23	0.21	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	0.1	HZ-31109	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05						
	1.3	HZ-31109	S33	B	Row Crops, Poor	81	64	95	0.85	0.82	0.77	0.33	0.19	0.07		1.00	0.30	0.39	0.65	0.78						
	4	HZ-31109	S33	B	Woodland, Grass, Fair	65	45	83	1.59	1.47	1.31	0.18	0.02	0.00		1.00	0.30	1.20	2.00	2.40						
	1.5	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.83	0.79	0.73	0.24	0.10	0.02		1.00	0.25	0.45	0.75	0.90						
	0.3	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.19	0.18	0.17	0.07	0.03	0.01		1.00	0.25	0.09	0.15	0.18						
	9.6	HZ-31109	S33	C	Open Brush, Fair	77	59	92	5.62	5.36	5.01	1.79	0.87	0.19		1.00	0.25	2.88	4.80	5.76						
	0.4	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22						
	6.2	HZ-31109	S33	C	Row Crops, Poor	88	75	98	4.80	4.69	4.54	2.59	1.84	0.17		1.00	0.25	1.86	3.10	3.72						
	3.9	HZ-31109	S33	C	Woodland, Grass, Fair	77	59	92	2.28	2.18	2.04	0.73	0.36	0.08		1.00	0.25	1.17	1.95	2.34						
	1.4	HZ-31109	S33	D	Row Crops, Poor	91	80	98	1.16	1.14	1.11	0.71	0.55	0.36		1.00	0.20	0.42	0.70	0.84						
	4.9	HZ-31110	S33	A	Barren	78	61	93	2.95	2.82	2.65	0.99	0.50	0.13		1.00	0.40	1.47	2.45	2.94						
	1.5	HZ-31110	S33	A	Row Crops, Poor	72	53	89	0.76	0.71	0.66	0.18	0.06	0.00		1.00	0.40	0.45	0.75	0.90						
	0.6	HZ-31110	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.19	0.17	0.14	0.09	0.06		0.90	0.30	0.16	0.27	0.32						
	2.5	HZ-31110	S33	B	Row Crops, Poor	81	64	95	1.63	1.57	1.49	0.63	0.36	0.13		1.00	0.30	0.75	1.25	1.50						
	5.3	HZ-31110	S33	C	Row Crops, Poor	88	75	98	4.10	4.01	3.88	2.21	1.58	0.91		1.00	0.25	1.59	2.65	3.18						
	3.3	HZ-31110	S33	D	Row Crops, Poor	91	80	98	2.74	2.69	2.62	1.68	1.30	0.86		1.00	0.20	0.99	1.65	1.98						
	1.3	HZ-31111	S33	A	Barren	78	61	93	0.78	0.75	0.70	0.26	0.13	0.03		1.00	0.40	0.39	0.65	0.78						
	0.2	HZ-31111	S33	A	Commercial, Industrial	32	17	52	0.17	0.17	0.17	0.17	0.17	0.16		0.10	0.40	0.01	0.01	0.01						
	5.3	HZ-31111	S33	A	Row Crops, Poor	72	53	89	2.67	2.52	2.32	0.63	0.22	0.01		1.00	0.40	1.59	2.65	3.18						
	0.3	HZ-31111	S33	A	Woodland, Grass, Fair	44	26	64	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18						
	0.2	HZ-31111	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12						
	0.6	HZ-31111	S33	B	Open Brush, Fair	66	46	84	0.25	0.23	0.21	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	4.3	HZ-31111	S33	B	Row Crops, Poor	81	64	95	2.80	2.70	2.56	1.09	0.62	0.23		1.00	0.30	1.29	2.15	2.58						
	0.8	HZ-31111	S33	B	Woodland, Grass, Fair	65	45	83	0.32	0.29	0.26	0.04	0.00	0.00		1.00	0.30	0.24	0.40	0.48						
	1.1	HZ-31111	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.61	0.58	0.54	0.17	0.08	0.01		1.00	0.25	0.33	0.55	0.66						
	6.9	HZ-31111	S33	C	Open Brush, Fair	77	59	92	4.04	3.86	3.60	1.29	0.63	0.14		1.00	0.25									

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100								
								AMC				P ₂₄ (Inches)										
								II	I	III								AMC 1/AMCH		5.63		
																				All		
	14.6	HZ-31111	S33	D	Row Crops, Poor	91	80	98	12.10	11.90	11.61	7.45	5.74	3.80		1.00	0.20	4.38	7.30	8.76		
	13.8	HZ-31112	S33	A	Barren	78	61	93	8.30	7.95	7.45	2.78	1.42	0.37		1.00	0.40	4.14	6.90	8.28		
	2.6	HZ-31112	S33	B	Barren	86	72	97	1.92	1.87	1.80	0.94	0.63	0.33		1.00	0.30	0.78	1.30	1.56		
	1.1	HZ-31112	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.97	0.95	0.92	0.87		0.10	0.30	0.03	0.06	0.07		
	3.5	HZ-31112	S33	B	Residential 2.5 acre lots	56	36	76	1.19	1.10	0.98	0.79	0.51	0.33		0.90	0.30	0.95	1.58	1.89		
	6.9	HZ-31112	S33	B	Row Crops, Poor	81	64	95	4.50	4.34	4.10	1.74	1.00	0.36		1.00	0.30	2.07	3.45	4.14		
	0.2	HZ-31112	S33	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12		
	0.1	HZ-31112	S33	C	Row Crops, Poor	88	75	98	0.08	0.08	0.07	0.04	0.03	0.02		1.00	0.25	0.03	0.05	0.06		
	0.1	HZ-31112	S33	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	2.4	HZ-31112	S33	D	Residential 2.5 acre lots	75	57	91	1.42	1.36	1.28	1.14	0.87	0.59		0.90	0.20	0.65	1.08	1.30		
	0.5	HZ-31112	S33	D	Row Crops, Poor	91	80	98	0.41	0.41	0.40	0.26	0.20	0.13		1.00	0.20	0.15	0.25	0.30		
	0.5	HZ-31113	S33	A	Barren	78	61	93	0.30	0.29	0.27	0.10	0.05	0.01		1.00	0.40	0.15	0.25	0.30		
	0.3	HZ-31113	S33	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		0.10	0.40	0.01	0.02	0.02		
	0.2	HZ-31113	S33	A	Open Brush, Fair	46	28	66	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12		
	0.8	HZ-31113	S33	A	Residential 2.5 acre lots	32	17	52	0.09	0.09	0.08	0.08	0.07	0.07		0.90	0.40	0.22	0.36	0.43		
	1.6	HZ-31113	S33	A	Row Crops, Poor	72	53	89	0.81	0.76	0.70	0.19	0.07	0.00		1.00	0.40	0.48	0.80	0.96		
	31.9	HZ-31113	S33	B	Barren	86	72	97	23.57	22.95	22.06	11.57	7.79	4.05		1.00	0.30	9.57	15.95	19.14		
	1.7	HZ-31113	S33	B	Commercial, Industrial	56	36	76	1.52	1.51	1.49	1.47	1.42	1.35		0.10	0.30	0.05	0.09	0.10		
	0.3	HZ-31113	S33	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18		
	2.6	HZ-31113	S33	B	Residential 2.5 acre lots	56	36	76	0.89	0.82	0.73	0.59	0.38	0.25		0.90	0.30	0.70	1.17	1.40		
	5.5	HZ-31113	S33	B	Row Crops, Poor	81	64	95	3.59	3.46	3.27	1.39	0.80	0.29		1.00	0.30	1.65	2.75	3.30		
	0.2	HZ-31113	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.2	HZ-31113	S33	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12		
	1.3	HZ-31113	S33	C	Residential 2.5 acre lots	69	50	86	0.66	0.63	0.58	0.50	0.36	0.23		0.90	0.25	0.35	0.59	0.70		
	0.3	HZ-31113	S33	D	Barren	93	83	99	0.26	0.26	0.25	0.18	0.14	0.10		1.00	0.20	0.09	0.15	0.18		
	0.2	HZ-31113	S33	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01		
	0.3	HZ-31113	S33	D	Open Brush, Fair	83	67	96	0.21	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18		
	6.5	HZ-31113	S33	D	Residential 2.5 acre lots	75	57	91	3.86	3.69	3.47	3.07	2.36	1.60		0.90	0.20	1.76	2.93	3.51		
	3	HZ-31113	S33	D	Row Crops, Poor	91	80	98	2.49	2.45	2.39	1.53	1.18	0.78		1.00	0.20	0.90	1.50	1.80		
	1.2	HZ-31113.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.24	0.20	0.16	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72		
	0.5	HZ-31113.2	S33	A	Open Brush, Fair	46	28	66	0.07	0.06	0.05	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30		
	1.7	HZ-31113.2	S33	A	Public Park	32	17	52	0.28	0.26	0.25	0.24	0.23	0.22		0.85	0.40	0.43	0.72	0.87		
	7.2	HZ-31113.2	S33	A	Woodland, Grass, Fair	44	26	64	0.92	0.76	0.56	0.00	0.00	0.00		1.00	0.40	2.16	3.60	4.32		
	1	HZ-31113.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.70	0.68	0.65	0.31	0.20	0.09		1.00	0.20	0.30	0.50	0.60		
	7.8	HZ-31114	S33	A	Barren	78	61	93	4.69	4.49	4.21	1.57	0.80	0.21		1.00	0.40	2.34	3.90	4.68		
	1.7	HZ-31114	S33	A	Row Crops, Poor	72	53	89	0.86	0.81	0.74	0.20	0.07	0.00		1.00	0.40	0.51	0.85	1.02		
	9.4	HZ-31114	S33	B	Barren	86	72	97	6.94	6.76	6.50	3.41	2.30	1.19		1.00	0.30	2.82	4.70	5.64		
	1.2	HZ-31114	S33	B	Open Brush, Fair	66	46	84	0.50	0.46	0.41	0.07	0.01	0.00		1.00	0.30	0.36	0.60	0.72		
	0.1	HZ-31114	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
	2.6	HZ-31114	S33	B	Row Crops, Poor	81	64	95	1.70	1.63	1.55	0.66	0.38	0.14		1.00	0.30	0.78	1.30	1.56		
	0.2	HZ-31114	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.3	HZ-31114	S33	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18		
	0.2	HZ-31114	S33	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.06	0.03		0.90	0.25	0.05	0.09	0.11		
	2.7	HZ-31114	S33	C	Row Crops, Poor	88	75	98	2.09	2.04	1.98	1.13	0.80	0.46		1.00	0.25	0.81	1.35	1.62		
	18.4	HZ-31115	S33	A	Barren	78	61	93	11.07	10.60	9.93	3.71	1.89	0.49		1.00	0.40	5.52	9.20	11.04		
	1.2	HZ-31115	S33	A	Meadows or Cienegas, Fair	51	32	71	0.25	0.22	0.18	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72		
	0.1	HZ-31115	S33	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06		
	26.6	HZ-31115	S33	B	Barren	86	72	97	19.65	19.13	18.39	9.64	6.49	3.38		1.00	0.30	7.98	13.30	15.96		
	3.9	HZ-31115	S33	B	Commercial, Industrial	56	36	76	3.48	3.46	3.42	3.36	3.25	3.10		0.10	0.30	0.12	0.20	0.23		
	3	HZ-31115	S33	B	Fallow	86	72	97	2.22	2.16	2.07	1.09	0.73	0.38		1.00	0.30	0.90	1.50	1.80		
	0.5	HZ-31115	S33	B	Open Brush, Fair	66	46	84	0.21	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30		
	8.2	HZ-31115	S33	B	Residential 2.5 acre lots	56	36	76	2.80	2.58	2.30	1.86	1.21	0.77		0.90	0.30	2.21	3.69	4.43		
	1.1	HZ-31115	S33	B	Row Crops, Poor	81	64	95	0.72	0.69	0.65	0.28	0.16	0.06		1.00	0.30	0.33	0.55	0.66		
	0.2	HZ-31115	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	14	HZ-31115	S33	C	Barren	91	80	98	11.61	11.41	11.13	7.15	5.50	3.65		1.00	0.25	4.20	7.00	8.40		
	4.3	HZ-31115	S33	C	Commercial, Industrial	69	50	86	3.92	3.89	3.85	3.78	3.64	3.45		0.10	0.25	0.13	0.22	0.26		
	5.3	HZ-31115	S33	C	Fallow	91	80	98	4.39	4.32	4.21	2.71	2.08	1.38		1.00	0.25	1.59	2.65	3.18		
	2.7	HZ-31115	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.67	1.60	1.51	0.59	0.31	0.09		1.00	0.25	0.81	1.35	1.62		
	3.2	HZ-31115	S33	C	Meadows or Cienegas, Fair	80	63	94	2.03	1.95	1.84	0.75	0.41	0.13		1.00	0.25	0.96	1.60	1.92		
	6.1	HZ-31115	S33	C	Open Brush, Fair	77	59	92	3.57	3.41	3.18	1.14	0.56	0.12		1.00	0.25	1.83	3.05	3.66		
	7.5	HZ-31115	S33	C	Residential 2.5 acre lots	69	50															

RANCHO MISSION VIEJO																								
PA-3&4(Ultimate Conditions)																								
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																								
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)												5.63	Storm Event (Year)				
							EV								100	EV				All				
							100	50	25	10	5	2	HC											
							P ₂₄ (Inches)																	
							AMC 1/AMCII																	
							II	I	III															
	0.1	HZ-31116	S33	B	Public Park	56	36	76	0.04	0.04	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05				
	0.1	HZ-31116	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.1	HZ-31116	S33	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.2	HZ-31116	S33	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12				
	0.4	HZ-31116	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.17	0.12	0.09		0.85	0.25	0.10	0.17	0.20				
	0.4	HZ-31116	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.28	0.27	0.26	0.13	0.08	0.04		1.00	0.20	0.12	0.20	0.24				
	0.8	HZ-31116	S33	D	Residential 2.5 acre lots	75	57	91	0.47	0.45	0.43	0.38	0.29	0.20		0.90	0.20	0.22	0.36	0.43				
	0.8	HZ-31116	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.37	0.34	0.31	0.07	0.02	0.00		1.00	0.30	0.24	0.40	0.48				
	1	HZ-31116	S33	D	Open Brush, Fair	83	67	96	0.69	0.66	0.63	0.29	0.18	0.08		1.00	0.20	0.30	0.50	0.60				
	1.1	HZ-31116	S33	D	Woodland, Grass, Fair	82	66	95	0.74	0.71	0.67	0.30	0.18	0.07		1.00	0.20	0.33	0.55	0.66				
	1.1	HZ-31116	S33	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07				
	2.8	HZ-31116	S33	C	Residential 2.5 acre lots	69	50	86	1.42	1.35	1.25	1.07	0.77	0.49		0.90	0.25	0.76	1.26	1.51				
	3.5	HZ-31116	S33	C	Commercial, Industrial	69	50	86	3.19	3.17	3.14	3.08	2.96	2.81		0.10	0.25	0.11	0.18	0.21				
	5	HZ-31116	S33	C	Grass, Annual or Perennial, Fair	79	62	93	3.09	2.97	2.79	1.09	0.58	0.17		1.00	0.25	1.50	2.50	3.00				
	6.7	HZ-31116	S33	B	Residential 2.5 acre lots	56	36	76	2.28	2.11	1.88	1.52	0.99	0.63		0.90	0.30	1.81	3.02	3.62				
	7.8	HZ-31116	S33	C	Woodland, Grass, Fair	77	59	92	4.56	4.36	4.07	1.46	0.71	0.16		1.00	0.25	2.34	3.90	4.68				
	10.8	HZ-31116	S33	C	Open Brush, Fair	77	59	92	6.32	6.04	5.64	2.02	0.98	0.22		1.00	0.25	3.24	5.40	6.48				
	13.8	HZ-31116	S33	B	Commercial, Industrial	56	36	76	12.27	12.18	12.07	11.86	11.45	10.92		0.10	0.30	0.41	0.69	0.83				
	21.5	HZ-31116	S33	B	Barren	86	72	97	15.85	15.43	14.83	7.78	5.24	2.73		1.00	0.30	6.44	10.73	12.87				
	36.6	HZ-31116	S33	C	Barren	91	80	98	30.34	29.83	29.10	18.68	14.38	9.53		1.00	0.25	10.98	18.30	21.96				
	0.5	S33-01	S33	A	Barren	78	61	93	0.30	0.29	0.27	0.10	0.05	0.01		1.00	0.40	0.15	0.25	0.30				
	22.6	S33-01	S33	A	Commercial, Industrial	32	17	52	19.60	19.51	19.38	19.16	18.68	17.93		0.10	0.40	0.68	1.13	1.36				
	4.7	S33-01	S33	A	Row Crops, Poor	72	53	89	2.37	2.24	2.05	0.56	0.20	0.01		1.00	0.40	1.41	2.35	2.82				
	2.9	S33-01	S33	A	Woodland, Grass, Fair	44	26	64	0.37	0.30	0.23	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74				
	0.2	S33-01	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.03		1.00	0.30	0.06	0.10	0.12				
	7.4	S33-01	S33	B	Commercial, Industrial	56	36	76	6.60	6.56	6.49	6.38	6.16	5.88		0.10	0.30	0.22	0.37	0.44				
	1	S33-01	S33	B	Row Crops, Poor	81	64	95	0.65	0.63	0.59	0.25	0.14	0.05		1.00	0.30	0.30	0.50	0.60				
	1.4	S33-01	S33	C	Commercial, Industrial	69	50	86	1.27	1.27	1.25	1.23	1.19	1.12		0.10	0.25	0.04	0.07	0.08				
	15.6	S33-01	S33	C	Open Brush, Fair	77	59	92	9.13	8.72	8.14	2.91	1.42	0.32		1.00	0.25	4.68	7.80	9.36				
	0.1	S33-01	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04				
	5.3	S33-01	S33	C	Row Crops, Poor	88	75	98	4.10	4.01	3.88	2.21	1.58	0.91		1.00	0.25	1.59	2.65	3.18				
	1.2	S33-02	S33	A	Barren	78	61	93	0.72	0.69	0.65	0.24	0.12	0.03		1.00	0.40	0.36	0.60	0.72				
	0.6	S33-02	S33	A	Row Crops, Poor	72	53	89	0.30	0.29	0.26	0.07	0.03	0.00		1.00	0.40	0.18	0.30	0.36				
	0.9	S33-02	S33	C	Barren	91	80	98	0.75	0.73	0.72	0.46	0.35	0.23		1.00	0.25	0.27	0.45	0.54				
	4.8	S33-02	S33	C	Open Brush, Fair	77	59	92	2.81	2.68	2.51	0.90	0.44	0.10		1.00	0.25	1.44	2.40	2.88				
	1.9	S33-02	S33	C	Row Crops, Poor	88	75	98	1.47	1.44	1.39	0.79	0.56	0.33		1.00	0.25	0.57	0.95	1.14				
	0.2	S33-05.5	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.03		1.00	0.30	0.06	0.10	0.12				
	0.5	S33-05.5	S33	B	Row Crops, Poor	81	64	95	0.33	0.31	0.30	0.13	0.07	0.03		1.00	0.30	0.15	0.25	0.30				
	1.1	S33-05.5	S33	B	Woodland, Grass, Fair	65	45	83	0.44	0.40	0.36	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.66				
	0.3	S33-05.5	S33	C	Barren	91	80	98	0.25	0.24	0.24	0.15	0.12	0.08		1.00	0.25	0.09	0.15	0.18				
	1.1	S33-05.5	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.68	0.65	0.61	0.24	0.13	0.04		1.00	0.25	0.33	0.55	0.66				
	3.5	S33-05.5	S33	C	Open Brush, Fair	77	59	92	2.05	1.96	1.83	0.65	0.32	0.07		1.00	0.25	1.05	1.75	2.10				
	1.4	S33-05.5	S33	C	Row Crops, Poor	88	75	98	1.08	1.06	1.02	0.58	0.42	0.24		1.00	0.25	0.42	0.70	0.84				
	4.8	S33-05.5	S33	D	Open Brush, Fair	83	67	96	3.29	3.19	3.04	1.41	0.87	0.37		1.00	0.20	1.44	2.40	2.88				
	0.9	S33-05.5	S33	D	Row Crops, Poor	91	80	98	0.75	0.73	0.72	0.46	0.35	0.23		1.00	0.20	0.27	0.45	0.54				
	1.7	S33-05.6	S33	B	Barren	86	72	97	1.26	1.22	1.18	0.62	0.42	0.22		1.00	0.30	0.51	0.85	1.02				
	0.6	S33-05.6	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.27	0.26	0.23	0.05	0.01	0.00		1.00	0.30	0.18	0.30	0.36				
	0.1	S33-05.6	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.4	S33-05.6	S33	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24				
	2.2	S33-05.6	S33	C	Barren	91	80	98	1.82	1.79	1.75	1.12	0.86	0.57		1.00	0.25	0.66	1.10	1.32				
	4.2	S33-05.6	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.60	2.49	2.34	0.91	0.48	0.14		1.00	0.25	1.26	2.10	2.52				
	8.1	S33-05.6	S33	C	Open Brush, Fair	77	59	92	4.74	4.53	4.23	1.51	0.74	0.16		1.00	0.25	2.43	4.05	4.86				
	2.3	S33-05.6	S33	C	Woodland, Grass, Fair	77	59	92	1.35	1.29	1.20	0.43	0.21	0.05		1.00	0.25	0.69	1.15	1.38				
	0.2	S33-05.6	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.14	0.14	0.13	0.06	0.04	0.02		1.00	0.20	0.06	0.10	0.12				
	6.9	S33-05.6	S33	D	Open Brush, Fair	83	67	96	4.74	4.58	4.37	2.02	1.24	0.53		1.00	0.20	2.07	3.45	4.14				
	0.7	S33-05.6	S33	D	Woodland, Grass, Fair	82	66	95	0.47	0.45	0.43	0.19	0.11	0.05		1.00	0.20	0.21	0.35	0.42				
	0.4	S33-06	S33	B	Barren	86	72	97	0.30	0.29	0.28	0.15	0.10	0.05		1.00	0.30	0.12	0.20	0.24				
	9.2	S33-06	S33	B	Grass, Annual or Perennial, Fair	69	50	86	4.21	3.94	3.58	0.78	0.20	0.00		1.00	0.30	2.76	4.60	5.52				
	1	S33-06	S33	B	Open Brush, Fair	66	46	84	0.41	0.38	0.34	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60				
	1.3	S33-06	S33	B	Woodland, Grass, Fair	65	45	83	0.52	0.48	0.43	0.06	0.01	0.00		1.00	0.30	0.39	0.65	0.78				
	2.4	S33-06	S33	C	Barren	91	80	98	1.99	1.96	1.91	1.22	0.94	0.63		1.00	0.25	0.72	1.20	1.44				
	4.1	S33-06	S33	C	Chaparral, Broadleaf, Fair	75	57	91	2.27	2.15	2.00	0.65	0.29	0.04		1.00	0.25	1.23	2.05	2.46				
	19.2	S33-06	S33	C	Grass, Annual or Perennial, Fair	79	62	93	11.87	11.39	10.71	4.17	2.22	0.65		1.00	0.25	5.76	9.60	11.52				
	20.9	S33-06	S33	C	Open Brush, Fair	77	59	92	12.23	11.68	10.91	3.90	1.90	0.42		1.00	0.25	6.27	10.45					

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100										
						AMC			P ₂₄ (Inches)						5.63										
						II	I	III								AMC 1/AMCII									
PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.50	0.47	0.44	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54					
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.52	1.45	1.36	0.49	0.24	0.05		1.00	0.25	0.78	1.30	1.56					
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.36	0.34	0.31	0.27	0.19	0.12		0.90	0.25	0.19	0.32	0.38					
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.56	0.53	0.49	0.42	0.30	0.19		0.90	0.25	0.30	0.50	0.59					
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.91	0.90	0.90	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06					
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.97	0.95	0.92	0.87		0.10	0.30	0.03	0.06	0.07					
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16					
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	6.01	5.97	5.91	5.81	5.59	5.30		0.10	0.25	0.20	0.33	0.40					
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.92	0.87	0.80	0.69	0.50	0.31		0.90	0.25	0.49	0.81	0.97					
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04					
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.55	3.53	3.49	3.43	3.30	3.13		0.10	0.25	0.12	0.20	0.23					
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10					
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.40	0.34	0.25	0.16		0.90	0.25	0.24	0.41	0.49					
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04					
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.11	0.11	0.10	0.08	0.06	0.04		0.85	0.30	0.08	0.13	0.15					
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.14	0.13	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22					
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.55	4.52	4.48	4.40	4.24	4.02		0.10	0.25	0.15	0.25	0.30					
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	1.12	1.07	0.99	0.87	0.66	0.45		0.85	0.25	0.54	0.89	1.07					
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.41	0.39	0.36	0.31	0.22	0.14		0.90	0.25	0.22	0.36	0.43					
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.66	1.65	1.63	1.60	1.54	1.46		0.10	0.20	0.05	0.09	0.11					
PA3 Line A	2.8	A-5	S33	B	Commercial, Industrial	56	36	76	2.50	2.48	2.46	2.41	2.33	2.22		0.10	0.30	0.08	0.14	0.17					
PA3 Line A	7.6	A-5	S33	C	Commercial, Industrial	69	50	86	6.92	6.88	6.81	6.69	6.44	6.10		0.10	0.25	0.23	0.38	0.46					
PA3 Line A	0.4	A-5	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.17	0.12	0.09		0.85	0.25	0.10	0.17	0.20					
PA3 Line A	10.5	A-5	S33	D	Commercial, Industrial	75	57	91	9.66	9.60	9.51	9.34	8.99	8.52		0.10	0.20	0.32	0.53	0.63					
PA3 Line A	0.3	A-5	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16					
PA3 Line A	6.8	A-6	S33	B	Commercial, Industrial	56	36	76	6.07	6.03	5.97	5.86	5.66	5.40		0.10	0.30	0.20	0.34	0.41					
PA3 Line A	12.1	A-6	S33	C	Commercial, Industrial	69	50	86	11.02	10.95	10.84	10.65	10.25	9.72		0.10	0.25	0.36	0.61	0.73					
PA3 Line A	1	A-6	S33	C	Public Park	69	50	86	0.53	0.51	0.47	0.41	0.31	0.21		0.85	0.25	0.26	0.43	0.51					
PA3 Line A	4.5	A-6	S33	D	Commercial, Industrial	75	57	91	4.14	4.11	4.08	4.00	3.85	3.65		0.10	0.20	0.14	0.23	0.27					
PA3 Line A	3.4	A-8	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.98	2.93	2.83	2.70		0.10	0.30	0.10	0.17	0.20					
PA3 Line A	6.7	A-8	S33	C	Commercial, Industrial	69	50	86	6.10	6.06	6.00	5.90	5.68	5.38		0.10	0.25	0.20	0.34	0.40					
PA3 Line A	0.1	A-8	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05					
PA3 Line A	2.5	A-8	S33	D	Commercial, Industrial	75	57	91	2.30	2.29	2.26	2.22	2.14	2.03		0.10	0.20	0.08	0.13	0.15					
PA3 Line A	7.2	A-7	S33	B	Commercial, Industrial	56	36	76	6.42	6.38	6.32	6.21	6.00	5.72		0.10	0.30	0.22	0.36	0.43					
PA3 Line A	0.7	A-7	S33	B	Public Park	56	36	76	0.26	0.25	0.22	0.19	0.13	0.10		0.85	0.30	0.18	0.30	0.36					
PA3 Line A	7.6	A-7	S33	C	Commercial, Industrial	69	50	86	6.92	6.88	6.81	6.69	6.44	6.10		0.10	0.25	0.23	0.38	0.46					
PA3 Line A	0.3	A-7	S33	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15					
PA3 Line A	4.7	A-7	S33	D	Commercial, Industrial	75	57	91	4.32	4.30	4.26	4.18	4.03	3.81		0.10	0.20	0.14	0.24	0.28					
PA3 Line A	0.4	A-7	S33	D	Public Park	75	57	91	0.25	0.24	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20					
PA3 Line A	3.5	A-18	S33	B	Commercial, Industrial	56	36	76	3.12	3.10	3.07	3.02	2.91	2.78		0.10	0.30	0.11	0.18	0.21					
PA3 Line A	0.6	A-18	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.19	0.17	0.14	0.09	0.06		0.90	0.30	0.16	0.27	0.32					
PA3 Line A	2.8	A-18	S33	C	Commercial, Industrial	69	50	86	2.55	2.53	2.51	2.46	2.37	2.25		0.10	0.25	0.08	0.14	0.17					
PA3 Line A	0.8	A-18	S33	C	Residential 2.5 acre lots	69	50	86	0.41	0.39	0.36	0.31	0.22	0.14		0.90	0.25	0.22	0.36	0.43					
PA3 Line A	0.6	A-18	S33	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04					
PA3 Line A	0.4	A-9	S33	B	Apartments	56	36	76	0.33	0.33	0.32	0.31	0.30	0.28		0.20	0.30	0.02	0.04	0.05					
PA3 Line A	5.5	A-9	S33	C	Apartments	69	50	86	4.73	4.68	4.62	4.50	4.27	3.99		0.20	0.25	0.33	0.55	0.66					
PA3 Line A	3.2	A-9	S33	D	Apartments	75	57	91	2.81	2.79	2.75	2.68	2.54	2.37		0.20	0.20	0.19	0.32	0.38					
PA3 Line A	0.4	A-10	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22					
PA3 Line A	0.3	A-10	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02					
PA3 Line A	1.3	A-10	S33	D	Public Park	75	57	91	0.80	0.77	0.72	0.65	0.51	0.37		0.85	0.20	0.33	0.55	0.66					
PA3 Line A	1	A-10	S33	D	Residential 2.5 acre lots	75	57	91	0.59	0.57	0.53	0.47	0.36	0.25		0.90	0.20	0.27	0.45	0.54					
PA3 Line A	2.3	A-11	S33	C	Commercial, Industrial	69	50	86	2.09	2.08	2.06	2.02	1.95	1.85		0.10	0.25	0.07	0.12	0.14					
PA3 Line A	0.3	A-11	S33	C	Residential 2.5 acre lots	69	50	86	0.15	0.14	0.13	0.11	0.08	0.05		0.90	0.25	0.08	0.14	0.16					
PA3 Line A	1	A-11	S33	D	Commercial, Industrial	75	57	91	0.92	0.91	0.91	0.89	0.86	0.81		0.10	0.20	0.03	0.05	0.06					
PA3 Line A	0.3	A-11	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16					
PA3 Line A	5	A-12	S33	C	Commercial, Industrial	69	50	86	4.55	4.52	4.48	4.40	4.24	4.02		0.10	0.25	0.15	0.25	0.30					
PA3 Line A	2.2	A-12	S33	C	Residential 2.5 acre lots	69	50	86	1.12	1.06	0.98	0.84	0.61	0.38		0.90	0.25	0.59	0.99	1.19					
PA3 Line A	1	A-12	S33	D	Commercial, Industrial	75	57	91	0.																

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100										
						AMC			P ₂₄ (Inches)									5.63				
						II	I	III							AMC 1/AMCII							
																		Storm Event (Year)			HC	All
																		EV				
																		> 5	5	2		

PA3 Line A	5.3	OA-3	S33	C	Open Brush, Fair	77	59	92	3.10	2.96	2.77	0.99	0.48	0.11		1.00	0.25	1.59	2.65	3.18
PA3 Line A	0.3	OA-3	S33	C	Woodland, Grass, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18
PA3 Line A	3.4	A-16	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.98	2.93	2.83	2.70		0.10	0.30	0.10	0.17	0.20
PA3 Line A	11	A-16	S33	C	Commercial, Industrial	69	50	86	10.02	9.95	9.86	9.68	9.32	8.83		0.10	0.25	0.33	0.55	0.66
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.96	0.91	0.85	0.75	0.56	0.39		0.85	0.25	0.46	0.77	0.92
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.76	0.72	0.67	0.57	0.41	0.26		0.90	0.25	0.41	0.68	0.81
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.94	2.93	2.90	2.85	2.74	2.60		0.10	0.20	0.10	0.16	0.19
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.77	2.75	2.72	2.67	2.58	2.46		0.10	0.30	0.09	0.16	0.19
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.53	0.49	0.44	0.37	0.27	0.19		0.85	0.30	0.36	0.60	0.71
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.37	0.35	0.31	0.25	0.16	0.10		0.90	0.30	0.30	0.50	0.59
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.64	4.61	4.57	4.49	4.32	4.10		0.10	0.25	0.15	0.26	0.31
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	1.01	0.97	0.90	0.79	0.59	0.41		0.85	0.25	0.48	0.81	0.97
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.83	1.73	1.60	1.38	1.00	0.63		0.90	0.25	0.97	1.62	1.94
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.48	2.47	2.45	2.40	2.31	2.19		0.10	0.20	0.08	0.14	0.16
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.30	0.28	0.27	0.24	0.18	0.12		0.90	0.20	0.14	0.23	0.27
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.97	0.95	0.92	0.87		0.10	0.30	0.03	0.06	0.07
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.28	3.26	3.23	3.17	3.05	2.89		0.10	0.25	0.11	0.18	0.22
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.46	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10
PA3 Line A	2.7	A-20	S33	C	Residential 10+ dwellings/acre	69	50	86	2.32	2.30	2.27	2.21	2.09	1.96		0.20	0.25	0.16	0.27	0.32
PA3 Line A	1.4	A-20	S33	C	Residential 2.5 acre lots	69	50	86	0.71	0.67	0.62	0.54	0.39	0.24		0.90	0.25	0.38	0.63	0.76
PA3 Line A	0.1	A-20	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05
PA3 Line A	1.3	A-20	S33	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.12	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16
PA3 Line A	0.2	A-20	S33	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11
PA3 Line A	5.4	A-21	S33	C	Residential 10+ dwellings/acre	69	50	86	4.65	4.60	4.53	4.42	4.19	3.91		0.20	0.25	0.32	0.54	0.65
PA3 Line A	2.4	A-21	S33	C	Residential 2.5 acre lots	69	50	86	1.22	1.16	1.07	0.92	0.66	0.42		0.90	0.25	0.65	1.08	1.30
PA3 Line A	0.7	A-21	S33	C	Commercial, Industrial	69	50	86	0.64	0.63	0.63	0.62	0.59	0.56		0.10	0.25	0.02	0.04	0.04
PA3 Line A	0.6	A-21	S33	D	Residential 2.5 acre lots	75	57	91	0.36	0.34	0.32	0.28	0.22	0.15		0.90	0.20	0.16	0.27	0.32
PA3 Line A	7.6	A-22	S33	C	Apartments	69	50	86	6.54	6.47	6.38	6.21	5.90	5.51		0.20	0.25	0.46	0.76	0.91
PA3 Line A	1.4	A-22	S33	C	Commercial, Industrial	69	50	86	1.27	1.27	1.25	1.23	1.19	1.12		0.10	0.25	0.04	0.07	0.08
PA3 Line A	2.3	A-22	S33	C	Residential 10+ dwellings/acre	69	50	86	1.98	1.96	1.93	1.88	1.78	1.67		0.20	0.25	0.14	0.23	0.28
PA3 Line A	6.5	A-22	S33	C	Residential 2.5 acre lots	69	50	86	3.30	3.13	2.89	2.49	1.80	1.14		0.90	0.25	1.76	2.93	3.51
PA3 Line A	8.4	A-22	S33	C	Residential 3-4 dwellings/acre	69	50	86	5.54	5.38	5.16	4.78	4.12	3.45		0.60	0.25	1.51	2.52	3.02
PA3 Line A	0.5	A-22	S33	D	Apartments	75	57	91	0.44	0.44	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06
PA3 Line A	0.3	A-22	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02
PA3 Line A	1.1	A-22	S33	D	Public Park	75	57	91	0.68	0.65	0.61	0.55	0.43	0.31		0.85	0.20	0.28	0.47	0.56
PA3 Line A	2	A-22	S33	D	Residential 10+ dwellings/acre	75	57	91	1.76	1.74	1.72	1.68	1.59	1.48		0.20	0.20	0.12	0.20	0.24
PA3 Line A	3.8	A-22	S33	D	Residential 2.5 acre lots	75	57	91	2.25	2.16	2.03	1.80	1.38	0.93		0.90	0.20	1.03	1.71	2.05
PA3 Line A	3.8	A-22	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.72	2.65	2.56	2.39	2.08	1.74		0.60	0.20	0.68	1.14	1.37
PA3 Line A	0.1	A-23	S33	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01
PA3 Line A	1.6	A-23	S33	C	Commercial, Industrial	69	50	86	1.46	1.45	1.43	1.41	1.36	1.29		0.10	0.25	0.05	0.08	0.10
PA3 Line A	0.2	A-23	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10
PA3 Line A	0.3	A-23	S33	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04
PA3 Line A	2.1	A-23	S33	D	Commercial, Industrial	75	57	91	1.93	1.92	1.90	1.87	1.80	1.70		0.10	0.20	0.06	0.11	0.13
PA3 Line A	0.6	A-23	S33	D	Public Park	75	57	91	0.37	0.35	0.33	0.30	0.24	0.17		0.85	0.20	0.15	0.26	0.31
PA3 Line A	0.2	A-23	S33	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02
PA3 Line A	0.5	A-25	S33	C	Apartments	69	50	86	0.43	0.43	0.42	0.41	0.39	0.36		0.20	0.25	0.03	0.05	0.06
PA3 Line A	1.2	A-25	S33	C	Commercial, Industrial	69	50	86	1.09	1.09	1.08	1.06	1.02	0.96		0.10	0.25	0.04	0.06	0.07
PA3 Line A	1.2	A-25	S33	C	Residential 2.5 acre lots	69	50	86	0.61	0.58	0.53	0.46	0.33	0.21		0.90	0.25	0.32	0.54	0.65
PA3 Line A	0.1	A-25	S33	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01
PA3 Line A	1.6	A-25	S33	D	Commercial, Industrial	75	57	91	1.47	1.46	1.45	1.42	1.37	1.30		0.10	0.20	0.05	0.08	0.10
PA3 Line A	3	A-25	S33	D	Residential 2.5 acre lots	75	57	91	1.78	1.71	1.60	1.42	1.09	0.74		0.90	0.20	0.81	1.35	1.62
PA3 Line A	1.9	A-25.1	S33	C	Apartments	69	50	86	1.63	1.62	1.60	1.55	1.47	1.38		0.20	0.25	0.11	0.19	0.23
PA3 Line A	0.6	A-25.1	S33	C	Residential 2.5 acre lots	69	50	86	0.31	0.29	0.27	0.23	0.17	0.10		0.90	0.25	0.16	0.27	0.32
PA3 Line A	0.3	A-25.1	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11
PA3 Line A	5	A-25.1	S33	D	Apartments	75	57	91	4.40	4.36	4.30	4.19	3.97	3.70		0.20	0.20	0.30	0.50	0.60
PA3 Line A	2.3	A-25.1	S33	D	Public Park	75	57	91	1.41	1.36	1.28	1.15	0.91	0.65		0.85	0.20	0.59	0.98	1.17
PA3 Line A	3.5	A-25.1	S33	D	Residential 2.5 acre lots	75	57	91	2.08	1.99	1.87	1.66	1.27	0.86		0.90	0.20	0.95	1.58	1.89
PA3 Line A	10.2	A-25.1	S33	D	Residential 3-4 dwellings/acre	75	57	91	7.30	7.12	6.87	6.42	5.59	4.67		0.60	0.20	1.84	3.06	3.67
PA3 Line A	5.9	A-26	S33	C	Apartments	69	50	86	5.08	5.03	4.95	4.82	4.58	4.28		0.20	0.25	0.35	0.59	0.71
PA3 Line A	0.1	A-26	S33	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01
PA3 Line A	0.6	A-26	S33	C	Residential 2.5 acre lots	69	50	86	0.31	0.29	0.27	0.23	0.17	0.10		0.90	0.25	0.16	0.27	0.32
PA3 Line A	6	A-26	S33	D	Apartments	75	57	91	5.28	5.23	5.16	5.03	4.77	4.44		0.20	0.20	0.36	0.60	0.72
PA3 Line A	1.1	A-26	S33	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07
PA3 Line A	4.7	A-26	S33	D	Residential 2.5 acre lots	75	57	91	2.79	2.67	2.51	2.22	1.70	1.16		0.90	0.20	1.27	2.12	2.54
PA3 Line A	1.5	A-27	S33	B	Commercial, Industrial	56	36	76	1.34	1.33	1.32	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09
PA3 Line A	0.2	A-27	S33	B	Public Park	56	36	76	0.08	0.07	0.06	0.05	0.04	0.03		0.85	0.30	0.05	0.09	0.10

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														

PA3 Line A	0.8	A-27	S33	C	Public Park	69	50	86	0.43	0.41	0.38	0.33	0.25	0.17			0.85	0.25	0.20	0.34	0.41			
PA3 Line A	4.1	A-27	S33	C	Residential 2.5 acre lots	69	50	86	2.08	1.97	1.83	1.57	1.13	0.72			0.90	0.25	1.11	1.85	2.21			
PA3 Line A	1.2	A-27	S33	D	Commercial, Industrial	75	57	91	1.10	1.10	1.09	1.07	1.03	0.97			0.10	0.20	0.04	0.06	0.07			
PA3 Line A	1.5	A-27	S33	D	Public Park	75	57	91	0.92	0.89	0.84	0.75	0.59	0.42			0.85	0.20	0.38	0.64	0.77			
PA3 Line A	0.1	A-27	S33	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02			0.90	0.20	0.03	0.05	0.05			
PA3 Line A	1	A-28	S33	B	Commercial, Industrial	56	36	76	0.89	0.89	0.88	0.86	0.83	0.79			0.10	0.30	0.03	0.05	0.06			
PA3 Line A	1.3	A-28	S33	C	Commercial, Industrial	69	50	86	1.18	1.18	1.16	1.14	1.10	1.04			0.10	0.25	0.04	0.07	0.08			
PA3 Line A	12.6	A-28	S33	D	Commercial, Industrial	75	57	91	11.59	11.52	11.41	11.21	10.79	10.22			0.10	0.20	0.38	0.63	0.76			
PA3 Line A	1.1	A-28	S33	D	Public Park	75	57	91	0.68	0.65	0.61	0.55	0.43	0.31			0.85	0.20	0.28	0.47	0.56			
PA3 Line A	0.1	A-28	S33	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07			0.20	0.20	0.01	0.01	0.01			
PA3 Line A	2.1	A-28	S33	D	Residential 2.5 acre lots	75	57	91	1.25	1.19	1.12	0.99	0.76	0.52			0.90	0.20	0.57	0.95	1.13			
PA3 Line A	2.2	A-29	S33	C	Commercial, Industrial	69	50	86	2.00	1.99	1.97	1.94	1.86	1.77			0.10	0.25	0.07	0.11	0.13			
PA3 Line A	0.4	A-29	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07			0.90	0.25	0.11	0.18	0.22			
PA3 Line A	0.6	A-30	S33	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48			0.10	0.30	0.02	0.03	0.04			
PA3 Line A	0.6	A-30	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.19	0.17	0.14	0.09	0.06			0.90	0.30	0.16	0.27	0.32			
PA3 Line A	1.8	A-30	S33	C	Commercial, Industrial	69	50	86	1.64	1.63	1.61	1.58	1.52	1.45			0.10	0.25	0.05	0.09	0.11			
PA3 Line A	1.4	A-30	S33	C	Residential 2.5 acre lots	69	50	86	0.71	0.67	0.62	0.54	0.39	0.24			0.90	0.25	0.38	0.63	0.76			
PA3 Line A	0.8	A-30	S33	D	Commercial, Industrial	75	57	91	0.74	0.73	0.72	0.71	0.69	0.65			0.10	0.20	0.02	0.04	0.05			
PA3 Line A	1.6	A-30	S33	D	Residential 2.5 acre lots	75	57	91	0.95	0.91	0.85	0.76	0.58	0.39			0.90	0.20	0.43	0.72	0.86			
PA3 Line A	2.5	A-31	S33	B	Commercial, Industrial	56	36	76	2.23	2.22	2.19	2.16	2.08	1.99			0.10	0.30	0.08	0.13	0.15			
PA3 Line A	0.3	A-31	S33	B	Public Park	56	36	76	0.11	0.11	0.10	0.08	0.06	0.04			0.85	0.30	0.08	0.13	0.15			
PA3 Line A	0.1	A-31	S33	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07			0.20	0.30	0.01	0.01	0.01			
PA3 Line A	0.1	A-31	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01			0.90	0.30	0.03	0.05	0.05			
PA3 Line A	1.5	A-31	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.82	0.79	0.76	0.70	0.61	0.54			0.60	0.30	0.27	0.45	0.54			
PA3 Line A	0.2	A-31	S33	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09			0.50	0.30	0.03	0.05	0.06			
PA3 Line A	2.9	A-31	S33	B	Residential 8-10 dwellings/acre	56	36	76	1.99	1.95	1.90	1.81	1.67	1.54			0.40	0.30	0.35	0.58	0.70			
PA3 Line A	4.7	A-31	S33	C	Commercial, Industrial	69	50	86	4.28	4.25	4.21	4.14	3.98	3.77			0.10	0.25	0.14	0.24	0.28			
PA3 Line A	1.3	A-31	S33	C	Public Park	69	50	86	0.69	0.66	0.62	0.54	0.41	0.28			0.85	0.25	0.33	0.55	0.66			
PA3 Line A	0.9	A-31	S33	C	Residential 10+ dwellings/acre	69	50	86	0.77	0.77	0.76	0.74	0.70	0.65			0.20	0.25	0.05	0.09	0.11			
PA3 Line A	0.1	A-31	S33	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02			0.90	0.25	0.03	0.05	0.05			
PA3 Line A	3.8	A-31	S33	C	Residential 3-4 dwellings/acre	69	50	86	2.51	2.43	2.33	2.16	1.86	1.56			0.60	0.25	0.68	1.14	1.37			
PA3 Line A	4.4	A-31	S33	C	Residential 5-7 dwellings/acre	69	50	86	3.12	3.05	2.95	2.78	2.47	2.15			0.50	0.25	0.66	1.10	1.32			
PA3 Line A	0.7	A-31	S33	C	Residential 8-10 dwellings/acre	69	50	86	0.53	0.52	0.51	0.49	0.44	0.40			0.40	0.25	0.08	0.14	0.17			
PA3 Line A	5	A-31	S33	D	Commercial, Industrial	75	57	91	4.60	4.57	4.53	4.45	4.28	4.06			0.10	0.20	0.15	0.25	0.30			
PA3 Line A	0.1	A-31	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03			0.85	0.20	0.03	0.04	0.05			
PA3 Line A	10.3	A-31	S33	D	Residential 10+ dwellings/acre	75	57	91	9.06	8.97	8.85	8.63	8.19	7.63			0.20	0.20	0.62	1.03	1.24			
PA3 Line A	0.1	A-31	S33	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02			0.90	0.20	0.03	0.05	0.05			
PA3 Line A	1.3	A-31	S33	D	Residential 3-4 dwellings/acre	75	57	91	0.93	0.91	0.88	0.82	0.71	0.60			0.60	0.20	0.23	0.39	0.47			
PA3 Line A	3.9	A-31	S33	D	Residential 5-7 dwellings/acre	75	57	91	2.95	2.89	2.81	2.66	2.38	2.06			0.50	0.20	0.59	0.98	1.17			
PA3 Line A	2.3	A-31	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.83	1.80	1.76	1.69	1.54	1.38			0.40	0.20	0.28	0.46	0.55			
PA3 Line A	1.3	A-32	S33	B	Commercial, Industrial	56	36	76	1.16	1.15	1.14	1.12	1.08	1.03			0.10	0.30	0.04	0.07	0.08			
PA3 Line A	1.2	A-32	S33	B	Residential 2.5 acre lots	56	36	76	0.41	0.38	0.34	0.27	0.18	0.11			0.90	0.30	0.32	0.54	0.65			
PA3 Line A	0.1	A-32	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.05	0.05	0.05	0.05	0.04	0.04			0.60	0.30	0.02	0.03	0.04			
PA3 Line A	1.3	A-32	S33	C	Commercial, Industrial	69	50	86	1.18	1.18	1.16	1.14	1.10	1.04			0.10	0.25	0.04	0.07	0.08			
PA3 Line A	0.1	A-32	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02			0.85	0.25	0.03	0.04	0.05			
PA3 Line A	3	A-32	S33	C	Residential 2.5 acre lots	69	50	86	1.53	1.44	1.34	1.15	0.83	0.52			0.90	0.25	0.81	1.35	1.62			
PA3 Line A	2.5	A-32	S33	C	Residential 3-4 dwellings/acre	69	50	86	1.65	1.60	1.54	1.42	1.23	1.03			0.60	0.25	0.45	0.75	0.90			
PA3 Line A	0.8	A-32	S33	D	Commercial, Industrial	75	57	91	0.74	0.73	0.72	0.71	0.69	0.65			0.10	0.20	0.02	0.04	0.05			
PA3 Line A	1.3	A-32	S33	D	Residential 2.5 acre lots	75	57	91	0.77	0.74	0.69	0.61	0.47	0.32			0.90	0.20	0.35	0.59	0.70			
PA3 Line A	3.3	A-32	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.36	2.30	2.22	2.08	1.81	1.51			0.60	0.20	0.59	0.99	1.19			
PA3 Line A	1.5	OA-4	S33	C	Open Brush, Fair	77	59	92	0.88	0.84	0.78	0.28	0.14	0.03			1.00	0.25	0.45	0.75	0.90			
PA3 Line A	0.4	OA-4	S33	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01			1.00	0.25	0.12	0.20	0.24			
PA3 Line A	4.9	OA-5	S33	C	Open Brush, Fair	77	59	92	2.87	2.74	2.56	0.92	0.45	0.10			1.00	0.25	1.47	2.45	2.94			
PA3 Line A	2.4	OA-5	S33	C	Woodland, Grass, Fair	77	59	92	1.40	1.34	1.25	0.45	0.22	0.05			1.00	0.25	0.72	1.20	1.44			
PA3 Line A	5.1	OA-6	S33	C	Open Brush, Fair	77	59	92	2.98	2.85	2.66	0.95	0.46	0.10			1.00	0.25	1.53	2.55	3.06			
PA3 Line A	4	OA-6	S33	C	Woodland, Grass, Fair	77	59	92	2.34	2.24	2.09	0.75	0.36	0.08			1.00	0.25	1.20	2.00	2.40			
PA3 Line A	0.3	OA-7	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.17	0.16	0.15	0.05	0.02	0.00			1.00	0.25	0.09	0.15	0.18			
PA3 Line A	5.7	OA-7	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	3.72	3.58	3.39	1.44	0.83	0.30										

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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				Storm Event (Year)										
						100	50	25	10	5	2	100	Storm Event (Year)								HC			
						AMC			P ₂₄ (Inches)					Storm Event (Year)								HC		
						II	I	III	AMC 1/AMCII					5.63	> 5					5	2	All		
PA3 Line A	4.5	OA-9	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.93	2.83	2.68	1.14	0.65	0.24	1.00	0.20	1.35	2.25	2.70					
PA3 Line A	1.3	OA-9	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	0.96	0.94	0.90	0.47	0.32	0.17	1.00	0.20	0.39	0.65	0.78					
PA3 Line A	3.7	OA-9	S33	D	Open Brush, Fair	83	67	96	2.54	2.46	2.34	1.09	0.67	0.29	1.00	0.20	1.11	1.85	2.22					
PA3 Line A	1.6	A-33	S33	B	Fallow	86	72	97	1.18	1.15	1.11	0.58	0.39	0.20	1.00	0.30	0.48	0.80	0.96					
PA3 Line A	1.3	A-33	S33	B	Open Brush, Fair	66	46	84	0.54	0.50	0.45	0.07	0.01	0.00	1.00	0.30	0.39	0.65	0.78					
PA3 Line A	2.6	A-33	S33	B	Residential 2.5 acre lots	56	36	76	0.89	0.82	0.73	0.59	0.38	0.25	0.90	0.30	0.70	1.17	1.40					
PA3 Line A	1.9	A-33	S33	B	Woodland, Grass, Fair	65	45	83	0.76	0.70	0.62	0.09	0.01	0.00	1.00	0.30	0.57	0.95	1.14					
PA3 Line A	0.7	A-33	S33	C	Fallow	91	80	98	0.58	0.57	0.56	0.36	0.28	0.18	1.00	0.25	0.21	0.35	0.42					
PA3 Line A	0.8	A-33	S33	C	Open Brush, Fair	77	59	92	0.47	0.45	0.42	0.15	0.07	0.02	1.00	0.25	0.24	0.40	0.48					
PA3 Line A	0.1	A-33	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02	0.85	0.25	0.03	0.04	0.05					
PA3 Line A	1.5	A-33	S33	C	Residential 2.5 acre lots	69	50	86	0.76	0.72	0.67	0.57	0.41	0.26	0.90	0.25	0.41	0.68	0.81					
PA3 Line A	0.4	A-33	S33	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01	1.00	0.25	0.12	0.20	0.24					
PA3 Line A	0.1	A-33	S33	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01	1.00	0.20	0.03	0.05	0.06					
PA3 Line A	0.3	A-33	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07	0.90	0.20	0.08	0.14	0.16					
	0.80	B1	S34	D	Commercial, Industrial	75	57	91	0.74	0.73	0.72	0.71	0.69	0.65	0.10	0.20	0.02	0.04	0.05					
	1.00	B10	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.76	0.74	0.72	0.68	0.61	0.53	0.50	0.20	0.15	0.25	0.30					
	0.10	B10	S34	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08	0.10	0.20	0.00	0.01	0.01					
	0.10	B10	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06	0.35	0.20	0.01	0.02	0.02					
	0.50	B11	S34	C	Residential 10+ dwellings/acre	69	50	86	0.43	0.43	0.42	0.41	0.39	0.36	0.20	0.25	0.03	0.05	0.06					
	0.20	B11	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10	0.50	0.25	0.03	0.05	0.06					
	0.30	B11	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24	0.10	0.25	0.01	0.02	0.02					
	3.30	B11	S34	C	Condominiums	69	50	86	2.59	2.55	2.49	2.39	2.21	2.00	0.35	0.25	0.35	0.58	0.69					
	0.20	B11	S34	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15	0.20	0.20	0.01	0.02	0.02					
	0.40	B11	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.30	0.30	0.29	0.27	0.24	0.21	0.50	0.20	0.06	0.10	0.12					
	3.40	B11	S34	D	Commercial, Industrial	75	57	91	3.13	3.11	3.08	3.03	2.91	2.76	0.10	0.20	0.10	0.17	0.20					
	8.10	B11	S34	D	Condominiums	75	57	91	6.63	6.53	6.40	6.15	5.69	5.14	0.35	0.20	0.85	1.42	1.70					
	8.00	B12	S34	C	Residential 5-7 dwellings/acre	69	50	86	5.68	5.54	5.36	5.05	4.49	3.91	0.50	0.25	1.20	2.00	2.40					
	6.40	B12	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.84	4.74	4.61	4.36	3.90	3.38	0.50	0.20	0.96	1.60	1.92					
	1.20	B13	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.85	0.83	0.80	0.76	0.67	0.59	0.50	0.25	0.18	0.30	0.36					
	2.80	B13	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.12	2.08	2.02	1.91	1.71	1.48	0.50	0.20	0.42	0.70	0.84					
	0.80	B14	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.49	0.48	0.46	0.44	0.39	0.36	0.50	0.30	0.12	0.20	0.24					
	4.10	B14	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.91	2.84	2.75	2.59	2.30	2.00	0.50	0.25	0.62	1.03	1.23					
	0.70	B14	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.53	0.52	0.50	0.48	0.43	0.37	0.50	0.20	0.11	0.18	0.21					
	0.90	B15	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.55	0.54	0.52	0.49	0.44	0.40	0.50	0.30	0.14	0.23	0.27					
	4.10	B15	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.91	2.84	2.75	2.59	2.30	2.00	0.50	0.25	0.62	1.03	1.23					
	2.50	B15	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.89	1.85	1.80	1.70	1.52	1.32	0.50	0.20	0.38	0.63	0.75					
	0.20	B16	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09	0.50	0.30	0.03	0.05	0.06					
	1.00	B16	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.71	0.69	0.67	0.63	0.56	0.49	0.50	0.25	0.15	0.25	0.30					
	1.00	B16	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.76	0.74	0.72	0.68	0.61	0.53	0.50	0.20	0.15	0.25	0.30					
	3.50	B17	S34	B	Residential 5-7 dwellings/acre	56	36	76	2.16	2.10	2.03	1.91	1.71	1.56	0.50	0.30	0.53	0.88	1.05					
	6.90	B17	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.90	4.78	4.63	4.36	3.88	3.37	0.50	0.25	1.04	1.73	2.07					
	0.20	B17	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.11	0.50	0.20	0.03	0.05	0.06					
	0.30	B18	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.18	0.18	0.17	0.16	0.15	0.13	0.50	0.30	0.05	0.08	0.09					
	0.40	B18	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.32	0.31	0.31	0.29	0.27	0.24	0.40	0.20	0.05	0.08	0.10					
	0.10	B19	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04	0.50	0.30	0.02	0.03	0.03					
	0.30	B19	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.21	0.20	0.20	0.19	0.17	0.16	0.40	0.30	0.04	0.06	0.07					
	0.60	B19	S34	B	Commercial, Industrial	56	36	76	0.54	0.53	0.53	0.52	0.50	0.48	0.10	0.30	0.02	0.03	0.04					
	0.70	B19	S34	B	Open Brush, Fair	66	46	84	0.29	0.27	0.24	0.04	0.01	0.00	1.00	0.30	0.21	0.35	0.42					
	0.30	B19	S34	C	Open Brush, Fair	77	59	92	0.18	0.17	0.16	0.06	0.03	0.01	1.00	0.25	0.09	0.15	0.18					
	0.90	B19	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.71	0.69	0.66	0.60	0.54	0.40	0.20	0.11	0.18	0.22					
	0.40	B19	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32	0.10	0.20	0.01	0.02	0.02					
	0.20	B19	S34	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.04	0.02	1.00	0.20	0.06	0.10	0.12					
	0.20	B2	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15	0.20	0.20	0.01	0.02	0.02					
	1.30	B2	S34	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.11	1.05	0.10	0.20	0.04	0.07	0.08					
	0.30	B2	S34	D	Open Brush, Fair	83	67	96	0.21	0.20	0.19	0.09	0.05	0.02	1.00	0.20	0.09	0.15	0.18					
	4.90	B20	S34	B	Residential 5-7 dwellings/acre	56	36	76	3.02	2.94	2.84	2.67	2.40	2.18	0.50	0.30	0.74	1.23	1.47					
	3.60	B20	S34	B	Residential 8-10 dwellings/acre	56	36	76	2.47	2.42	2.35	2.25	2.07	1.91	0.40	0.30	0.43	0.72	0.86					
	18.40	B20	S34	C	Residential 5-7 dwellings/acre	69	50	86	13.06	12.75	12.34	11.62	10.34	9.00	0.50	0.25	2.76	4.60	5.52					
	4.30	B20	S34	C	Residential 8-10 dwellings/acre	69	50	86	3.27	3.21	3.13	2.98	2.72	2.44	0.40	0.25	0.52	0.86	1.03					
	0.50	B20	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.38	0.37	0.36	0.34	0.30	0.26	0.50	0.20	0.08	0.13	0.15					
	6.90	B20	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.50	5.41	5.29	5.06	4.63	4.13	0.40	0.20	0.83	1.38	1.66					
	0.40	B21	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.27	0.27	0.26	0.25	0.23	0.21	0.40	0.30	0.05	0.08	0.10					
	0.40	B21	S34	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32	0.10	0.30	0.01	0.02	0.02					
	0.30	B21	S34	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00	1.00	0.30	0.09	0.15	0.18					
	0.40	B21	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.30	0.30	0.29	0.28	0.25	0.23	0.40	0.25	0.05	0.08	0.10					
	0.40	B21	S34	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32	0.10	0.25	0.01	0.02	0.02					
	1.00	B21	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.80	0.78	0.77	0.73	0.67	0.60	0.40	0.20	0.12	0.20	0.24					
	0.90	B21	S34	D	Commercial, Industrial	75	57	91	0.83	0.82	0.82	0.80	0.77	0.73	0.10	0.20	0.03	0.05	0.05					
	0.20	B21	S34	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.04	0.02	1.00	0.20	0.06	0.10	0.12					

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII										5.63				
	0.30	B22	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07			
	0.10	B22	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.30	B22	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	1.40	B22	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.12	1.10	1.07	1.03	0.94	0.84		0.40	0.20	0.17	0.28	0.34			
	0.10	B23	S34	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.70	B23	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.60	B24	S34	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.52	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	0.10	B24	S34	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	3.70	B24	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.17	3.00		0.10	0.20	0.11	0.19	0.22			
	0.30	B24	S34	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15			
	11.50	B25	S34	D	Residential 10+ dwellings/acre	75	57	91	10.11	10.02	9.88	9.63	9.14	8.52		0.20	0.20	0.69	1.15	1.38			
	2.90	B25	S34	D	Apartments	75	57	91	2.55	2.53	2.49	2.43	2.31	2.15		0.20	0.20	0.17	0.29	0.35			
	0.70	B25	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	2.60	B25	S34	D	Public Park	75	57	91	1.60	1.53	1.45	1.30	1.02	0.73		0.85	0.20	0.66	1.11	1.33			
	0.90	B26	S34	C	Residential 10+ dwellings/acre	69	50	86	0.77	0.77	0.76	0.74	0.70	0.65		0.20	0.25	0.05	0.09	0.11			
	0.30	B26	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02			
	6.40	B26	S34	D	Residential 10+ dwellings/acre	75	57	91	5.63	5.57	5.50	5.36	5.09	4.74		0.20	0.20	0.38	0.64	0.77			
	3.70	B26	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.17	3.00		0.10	0.20	0.11	0.19	0.22			
	0.70	B26	S34	D	Condominiums	75	57	91	0.57	0.56	0.55	0.53	0.49	0.44		0.35	0.20	0.07	0.12	0.15			
	2.20	B27	S34	C	Residential 10+ dwellings/acre	69	50	86	1.89	1.87	1.85	1.80	1.71	1.59		0.20	0.25	0.13	0.22	0.26			
	0.10	B27	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	0.30	B27	S34	C	Condominiums	69	50	86	0.24	0.23	0.23	0.22	0.20	0.18		0.35	0.25	0.03	0.05	0.06			
	6.80	B27	S34	D	Residential 10+ dwellings/acre	75	57	91	5.98	5.92	5.84	5.70	5.41	5.04		0.20	0.20	0.41	0.68	0.82			
	0.10	B27	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	2.00	B27	S34	D	Condominiums	75	57	91	1.64	1.61	1.58	1.52	1.40	1.27		0.35	0.20	0.21	0.35	0.42			
	6.40	B28	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.54	4.44	4.29	4.04	3.60	3.13		0.50	0.25	0.96	1.60	1.92			
	0.90	B28	S34	C	Condominiums	69	50	86	0.71	0.70	0.68	0.65	0.60	0.55		0.35	0.25	0.09	0.16	0.19			
	5.20	B28	S34	D	Residential 5-7 dwellings/acre	75	57	91	3.94	3.85	3.74	3.54	3.17	2.75		0.50	0.20	0.78	1.30	1.56			
	0.80	B28	S34	D	Condominiums	75	57	91	0.65	0.64	0.63	0.61	0.56	0.51		0.35	0.20	0.08	0.14	0.17			
	2.90	B29	S34	C	Residential 10+ dwellings/acre	69	50	86	2.50	2.47	2.43	2.37	2.25	2.10		0.20	0.25	0.17	0.29	0.35			
	2.90	B29	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.06	2.01	1.94	1.83	1.63	1.42		0.50	0.25	0.44	0.73	0.87			
	6.30	B29	S34	D	Residential 10+ dwellings/acre	75	57	91	5.54	5.49	5.41	5.28	5.01	4.66		0.20	0.20	0.38	0.63	0.76			
	6.00	B29	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.54	4.45	4.32	4.09	3.66	3.17		0.50	0.20	0.90	1.50	1.80			
	1.40	B2A	S34	D	Commercial, Industrial	75	57	91	1.29	1.28	1.27	1.25	1.20	1.14		0.10	0.20	0.04	0.07	0.08			
	0.50	B3	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.38	0.37	0.36	0.34	0.30	0.26		0.50	0.20	0.08	0.13	0.15			
	2.40	B3	S34	D	Commercial, Industrial	75	57	91	2.21	2.19	2.17	2.14	2.06	1.95		0.10	0.20	0.07	0.12	0.14			
	1.30	B3	S34	D	Open Brush, Fair	83	67	96	0.89	0.86	0.82	0.38	0.23	0.10		1.00	0.20	0.39	0.65	0.78			
	2.90	B30	S34	C	Residential 10+ dwellings/acre	69	50	86	2.50	2.47	2.43	2.37	2.25	2.10		0.20	0.25	0.17	0.29	0.35			
	1.60	B30	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.14	1.11	1.07	1.01	0.90	0.78		0.50	0.25	0.24	0.40	0.48			
	0.60	B31	S34	D	Apartments	75	57	91	0.53	0.52	0.52	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	0.20	B32	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	5.90	B32	S34	D	Commercial, Industrial	75	57	91	5.43	5.39	5.34	5.25	5.05	4.79		0.10	0.20	0.18	0.30	0.35			
	14.90	B33	S34	D	Commercial, Industrial	75	57	91	13.71	13.62	13.50	13.26	12.76	12.09		0.10	0.20	0.45	0.75	0.89			
	0.10	B34	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02			
	0.20	B34	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	1.80	B34	S34	D	Commercial, Industrial	75	57	91	1.66	1.65	1.63	1.60	1.54	1.46		0.10	0.20	0.05	0.09	0.11			
	0.40	B35	S34	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02			
	0.10	B35	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02			
	1.30	B35	S34	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	9.40	B36	S34	D	Residential 8-10 dwellings/acre	75	57	91	7.50	7.37	7.20	6.89	6.31	5.63		0.40	0.20	1.13	1.88	2.26			
	0.70	B37	S34	D	Residential 10+ dwellings/acre	75	57	91	0.62	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08			
	2.50	B37	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.99	1.96	1.92	1.83	1.68	1.50		0.40	0.20	0.30	0.50	0.60			
	1.70	B38	S34	D	Residential 10+ dwellings/acre	75	57	91	1.49	1.48	1.46	1.42	1.35	1.26		0.20	0.20	0.10	0.17	0.20			
	1.60	B38	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.28	1.26	1.23	1.17	1.07	0.96		0.40	0.20	0.19	0.32	0.38			
	1.40	B39	S34	D	Residential 10+ dwellings/acre	75	57	91	1.23	1.22	1.20	1.17	1.11	1.04		0.20	0.20	0.08	0.14	0.17			
	7.10	B39	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.66	5.57	5.44	5.21	4.77	4.25		0.40	0.20	0.85	1.42	1.70			
	2.70	B39	S34	D	Apartments	75	57	91	2.37	2.35	2.32	2.26	2.15	2.00		0.20	0.20	0.16	0.27	0.32			
	1.10	B39	S34	D	Commercial, Industrial	75	57	91	1.01	1.01	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	0.10	B4	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.10	B4	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.20	B4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	0.20	B4	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.60	B4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.45	0.4													

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100											
						AMC			P ₂₄ (Inches)						5.63								
						II	I	III				AMC 1/AMCII											

	0.60	B41	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.48	0.47	0.46	0.44	0.40	0.36		0.40	0.20	0.07	0.12	0.14	
	8.40	B42	S34	D	Residential 10+ dwellings/acre	75	57	91	7.39	7.32	7.22	7.04	6.68	6.22		0.20	0.20	0.50	0.84	1.01	
	0.60	B42	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.45	0.44	0.43	0.41	0.37	0.32		0.50	0.20	0.09	0.15	0.18	
	2.10	B43	S34	D	Residential 10+ dwellings/acre	75	57	91	1.85	1.83	1.80	1.76	1.67	1.55		0.20	0.20	0.13	0.21	0.25	
	5.00	B44	S34	D	Residential 10+ dwellings/acre	75	57	91	4.40	4.36	4.30	4.19	3.97	3.70		0.20	0.20	0.30	0.50	0.60	
	5.30	B45	S34	D	Residential 10+ dwellings/acre	75	57	91	4.66	4.62	4.55	4.44	4.21	3.92		0.20	0.20	0.32	0.53	0.64	
	1.20	B46	S34	D	Residential 10+ dwellings/acre	75	57	91	1.06	1.05	1.03	1.01	0.95	0.89		0.20	0.20	0.07	0.12	0.14	
	0.20	B46	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01	
	1.20	B46A	S34	D	Residential 10+ dwellings/acre	75	57	91	1.06	1.05	1.03	1.01	0.95	0.89		0.20	0.20	0.07	0.12	0.14	
	0.70	B46A	S34	D	School	75	57	91	0.50	0.49	0.47	0.44	0.38	0.32		0.60	0.20	0.13	0.21	0.25	
	1.10	B47	S34	C	Residential 10+ dwellings/acre	69	50	86	0.95	0.94	0.92	0.90	0.85	0.80		0.20	0.25	0.07	0.11	0.13	
	1.20	B47	S34	C	Commercial, Industrial	69	50	86	1.09	1.09	1.08	1.06	1.02	0.96		0.10	0.25	0.04	0.06	0.07	
	6.30	B47	S34	C	Public Park	69	50	86	3.36	3.20	2.98	2.61	1.97	1.35		0.85	0.25	1.61	2.68	3.21	
	4.60	B47	S34	C	School	69	50	86	3.03	2.95	2.83	2.62	2.26	1.89		0.60	0.25	0.83	1.38	1.66	
	1.60	B47	S34	D	Residential 10+ dwellings/acre	75	57	91	1.41	1.39	1.37	1.34	1.27	1.18		0.20	0.20	0.10	0.16	0.19	
	4.00	B47	S34	D	Commercial, Industrial	75	57	91	3.68	3.66	3.62	3.56	3.43	3.24		0.10	0.20	0.12	0.20	0.24	
	3.90	B47	S34	D	Public Park	75	57	91	2.39	2.30	2.17	1.95	1.53	1.10		0.85	0.20	0.99	1.66	1.99	
	10.80	B47	S34	D	School	75	57	91	7.73	7.54	7.27	6.80	5.92	4.95		0.60	0.20	1.94	3.24	3.89	
	1.40	B48	S34	C	Residential 10+ dwellings/acre	69	50	86	1.20	1.19	1.18	1.14	1.09	1.01		0.20	0.25	0.08	0.14	0.17	
	16.40	B48	S34	D	Residential 10+ dwellings/acre	75	57	91	14.42	14.28	14.09	13.74	13.04	12.14		0.20	0.20	0.98	1.64	1.97	
	1.30	B48	S34	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.11	1.05		0.10	0.20	0.04	0.07	0.08	
	1.00	B49	S34	C	Residential 10+ dwellings/acre	69	50	86	0.86	0.85	0.84	0.82	0.78	0.72		0.20	0.25	0.06	0.10	0.12	
	2.00	B49	S34	C	Public Park	69	50	86	1.07	1.02	0.95	0.83	0.62	0.43		0.85	0.25	0.51	0.85	1.02	
	2.80	B49	S34	D	Residential 10+ dwellings/acre	75	57	91	2.46	2.44	2.41	2.35	2.23	2.07		0.20	0.20	0.17	0.28	0.34	
	1.50	B49	S34	D	Commercial, Industrial	75	57	91	1.38	1.37	1.36	1.33	1.28	1.22		0.10	0.20	0.05	0.08	0.09	
	0.10	B49	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02	
	1.10	B49	S34	D	Public Park	75	57	91	0.68	0.65	0.61	0.55	0.43	0.31		0.85	0.20	0.28	0.47	0.56	
	0.10	B5	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03	
	0.50	B5	S34	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40		0.10	0.30	0.02	0.03	0.03	
	0.40	B5	S34	B	Open Brush, Fair	66	46	84	0.17	0.15	0.14	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24	
	0.70	B5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.50	0.49	0.47	0.44	0.39	0.34		0.50	0.25	0.11	0.18	0.21	
	1.50	B5	S34	C	Commercial, Industrial	69	50	86	1.37	1.36	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09	
	0.80	B5	S34	C	Open Brush, Fair	77	59	92	0.47	0.45	0.42	0.15	0.07	0.02		1.00	0.25	0.24	0.40	0.48	
	0.10	B50	S34	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	1.70	B50	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.21	1.18	1.14	1.07	0.96	0.83		0.50	0.25	0.26	0.43	0.51	
	0.30	B50	S34	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15	
	0.80	B50	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.61	0.59	0.58	0.55	0.49	0.42		0.50	0.20	0.12	0.20	0.24	
	0.10	B50	S34	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	0.30	B51	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09	
	0.20	B51	S34	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
	0.20	B51	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.11		0.50	0.20	0.03	0.05	0.06	
	0.10	B51	S34	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	0.90	B52	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.55	0.54	0.52	0.49	0.44	0.40		0.50	0.30	0.14	0.23	0.27	
	0.30	B52	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.21	0.20	0.20	0.19	0.17	0.16		0.40	0.30	0.04	0.06	0.07	
	2.50	B52	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.77	1.73	1.68	1.58	1.40	1.22		0.50	0.25	0.38	0.63	0.75	
	0.70	B52	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.53	0.52	0.51	0.49	0.44	0.40		0.40	0.25	0.08	0.14	0.17	
	9.10	B52	S34	C	Condominiums	69	50	86	7.14	7.03	6.87	6.59	6.09	5.52		0.35	0.25	0.96	1.59	1.91	
	2.80	B52	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.12	2.08	2.02	1.91	1.71	1.48		0.50	0.20	0.42	0.70	0.84	
	1.60	B52	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.28	1.26	1.23	1.17	1.07	0.96		0.40	0.20	0.19	0.32	0.38	
	7.40	B52	S34	D	Condominiums	75	57	91	6.05	5.97	5.84	5.62	5.20	4.70		0.35	0.20	0.78	1.30	1.55	
	0.30	B52	S34	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15	
	0.10	B53	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02	
	0.30	B53	S34	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.10	B53	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.10	B53	S34	B	Public Park	56	36	76	0.04	0.04	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05	
	0.10	B53	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	1.30	B53	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.99	0.97	0.94	0.90	0.82	0.74		0.40	0.25	0.16	0.26	0.31	
	0.90	B53	S34	C	Commercial, Industrial	69	50	86	0.82	0.81	0.81	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05	
	0.40	B53	S34	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01		1.00	0.25	0.12	0.20	0.24	
	0.80	B53	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.64	0.63	0.61	0.59	0.54	0.48		0.40	0.20	0.10	0.16	0.19	
	0.40	B53	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
	0.10	B53	S34	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.60	B54	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.41	0.40	0.39	0.37	0.35	0.32		0.40	0.30	0.07	0.12	0.14	
	0.30	B54	S34	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.10	B54	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	2.60	B54	S34	C	Residential 8-10 dwellings/acre	69	50	86	1.98	1.94	1.89	1.80	1.65	1.48		0.40	0.25	0.31	0.52	0.62	
	1.00	B54	S34	C	Commercial, Industrial	69	50	86	0.91	0.90	0.90	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06	
	0.20	B54	S34	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12	
	0.50	B54	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.40	0.39	0.38										

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100											
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III					AMC 1/AMCII										
	0.10	B54	S34	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.10	B55	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03			
	0.70	B55	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.48	0.47	0.46	0.44	0.40	0.37		0.40	0.30	0.08	0.14	0.17			
	2.20	B55	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.56	1.52	1.48	1.39	1.24	1.08		0.50	0.25	0.33	0.55	0.66			
	1.80	B55	S34	C	Residential 8-10 dwellings/acre	69	50	86	1.37	1.34	1.31	1.25	1.14	1.02		0.40	0.25	0.22	0.36	0.43			
	0.20	B55	S34	C	Condominiums	69	50	86	0.16	0.15	0.15	0.14	0.13	0.12		0.35	0.25	0.02	0.04	0.04			
	3.20	B55	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.42	2.37	2.30	2.18	1.95	1.69		0.50	0.20	0.48	0.80	0.96			
	5.70	B55	S34	D	Residential 8-10 dwellings/acre	75	57	91	4.55	4.47	4.37	4.18	3.83	3.42		0.40	0.20	0.68	1.14	1.37			
	6.40	B56	S34	B	Open Brush, Fair	66	46	84	2.64	2.45	2.19	0.35	0.05	0.00		1.00	0.30	1.92	3.20	3.84			
	1.40	B56	S34	C	Open Brush, Fair	77	59	92	0.82	0.78	0.73	0.26	0.13	0.03		1.00	0.25	0.42	0.70	0.84			
	0.60	B56	S34	D	Open Brush, Fair	83	67	96	0.41	0.40	0.38	0.18	0.11	0.05		1.00	0.20	0.18	0.30	0.36			
	1.20	B6	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.74	0.72	0.69	0.65	0.59	0.53		0.50	0.30	0.18	0.30	0.36			
	0.10	B6	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.20	B6	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	0.10	B6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	2.30	B7	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.74	1.71	1.66	1.57	1.40	1.22		0.50	0.20	0.35	0.58	0.69			
	0.40	B7	S34	D	Apartments	75	57	91	0.35	0.35	0.34	0.34	0.32	0.30		0.20	0.20	0.02	0.04	0.05			
	0.30	B8	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.18	0.18	0.17	0.16	0.15	0.13		0.50	0.30	0.05	0.08	0.09			
	0.10	B8	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	0.60	B8	S34	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.52	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	6.20	B8	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.69	4.60	4.46	4.22	3.78	3.28		0.50	0.20	0.93	1.55	1.86			
	0.90	B9	S34	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.72	0.67		0.20	0.20	0.05	0.09	0.11			
	0.30	B9	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	0.10	B9	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	0.20	C1	S34	C	Condominiums	69	50	86	0.16	0.15	0.15	0.14	0.13	0.12		0.35	0.25	0.02	0.04	0.04			
	0.10	C1	S34	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.10	C1	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	1.20	C2	S34	C	Commercial, Industrial	69	50	86	1.09	1.09	1.08	1.06	1.02	0.96		0.10	0.25	0.04	0.06	0.07			
	0.60	C2	S34	C	Condominiums	69	50	86	0.47	0.46	0.45	0.43	0.40	0.36		0.35	0.25	0.06	0.11	0.13			
	0.10	C2	S34	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	0.10	C2	S34	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.30	C2	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.40	C2	S34	D	Condominiums	75	57	91	0.33	0.32	0.32	0.30	0.28	0.25		0.35	0.20	0.04	0.07	0.08			
	1.10	C3	S34	C	Commercial, Industrial	69	50	86	1.00	1.00	0.99	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07			
	1.30	C3	S34	D	Commercial, Industrial	75	57	91	1.20	1.19	1.18	1.16	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	0.60	C4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.43	0.42	0.40	0.38	0.34	0.29		0.50	0.25	0.09	0.15	0.18			
	1.70	C4	S34	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.50	1.44	1.37		0.10	0.25	0.05	0.09	0.10			
	1.00	C4	S34	C	Condominiums	69	50	86	0.78	0.77	0.76	0.72	0.67	0.61		0.35	0.25	0.11	0.18	0.21			
	0.10	C4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	0.70	C4	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.40	C4	S34	D	Condominiums	75	57	91	0.33	0.32	0.32	0.30	0.28	0.25		0.35	0.20	0.04	0.07	0.08			
	1.30	C5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.92	0.90	0.87	0.82	0.73	0.64		0.50	0.25	0.20	0.33	0.39			
	0.40	C5	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.30	0.30	0.29	0.28	0.25	0.23		0.40	0.25	0.05	0.08	0.10			
	0.20	C5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	1.50	C5	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.14	1.11	1.08	1.02	0.91	0.79		0.50	0.20	0.23	0.38	0.45			
	1.90	C5	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.52	1.49	1.46	1.39	1.28	1.14		0.40	0.20	0.23	0.38	0.46			
	2.00	C5	S34	D	Commercial, Industrial	75	57	91	1.84	1.83	1.81	1.78	1.71	1.62		0.10	0.20	0.06	0.10	0.12			
	4.40	C6	S34	C	Apartments	69	50	86	3.79	3.75	3.69	3.60	3.41	3.19		0.20	0.25	0.26	0.44	0.53			
	0.10	C6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	6.70	C6	S34	D	Apartments	75	57	91	5.89	5.84	5.76	5.61	5.33	4.96		0.20	0.20	0.40	0.67	0.80			
	3.10	C7	S34	D	Open Brush, Fair	83	67	96	2.13	2.06	1.96	0.91	0.56	0.24		1.00	0.20	0.93	1.55	1.86			
	0.20	CCR-A1	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A1	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A2	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.50	CCR-A2	S34	C	Commercial, Industrial	69	50	86	0.46	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
	0.40	CCR-A3	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A4	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.30	CCR-A4	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.20	CCR-A5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A																					

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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	100													
						AMC			P ₂₄ (Inches)																
						II	I	III	AMC 1/AMCII												5.63				
	0.60	CCR-C2	S34	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04					
	0.20	CCR-C3	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01					
	0.20	CCR-C3	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01					
	0.20	CCR-C4	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01					
	0.50	CCR-C4	S34	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.41		0.10	0.20	0.02	0.03	0.03					
	0.10	CCR-C5	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01					
	0.40	CCR-C5	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02					
	0.40	CCR-C6	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02					
	0.20	CCR-C7	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.15	0.15	0.15	0.14	0.13	0.11		0.40	0.25	0.02	0.04	0.05					
	0.20	CCR-C8	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.15	0.15	0.15	0.14	0.13	0.11		0.40	0.25	0.02	0.04	0.05					
	0.30	CCR-C8	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.24	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07					
	0.30	CCR-C9	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07					
	0.80	CCR-C9	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.64	0.63	0.61	0.59	0.54	0.48		0.40	0.20	0.10	0.16	0.19					
	0.60	HZ-101	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.12	0.10	0.08	0.00	0.00	0.00		1.00	0.40	0.18	0.30	0.36					
	3.80	HZ-101	S34	A	Open Brush, Fair	46	28	66	0.57	0.48	0.36	0.00	0.00	0.00		1.00	0.40	1.14	1.90	2.28					
	0.10	HZ-101	S34	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06					
	1.10	HZ-101	S34	B	Commercial, Industrial	56	36	76	0.98	0.97	0.97	0.95	0.92	0.87		0.10	0.30	0.03	0.06	0.07					
	13.40	HZ-101	S34	B	Fallow	86	72	97	9.90	9.64	9.27	4.86	3.27	1.70		1.00	0.30	4.02	6.70	8.04					
	14.80	HZ-101	S34	B	Grass, Annual or Perennial, Fair	69	50	86	6.78	6.34	5.75	1.25	0.32	0.00		1.00	0.30	4.44	7.40	8.88					
	1.00	HZ-101	S34	B	Open Brush, Fair	66	46	84	0.41	0.38	0.34	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60					
	1.20	HZ-101	S34	B	Public Park	56	36	76	0.45	0.42	0.38	0.32	0.23	0.17		0.85	0.30	0.31	0.51	0.61					
	0.00	HZ-101	S34	B	Residential 3-4 dwellings/acre	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00		0.60	0.30	0.00	0.00	0.00					
	0.00	HZ-101	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.30	0.00	0.00	0.00					
	0.00	HZ-101	S34	B	Row Crops, Good	78	61	93	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00					
	1.10	HZ-101	S34	B	Woodland, Grass, Fair	65	45	83	0.44	0.40	0.36	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.66					
	0.90	HZ-101	S34	C	Chaparral, Broadleaf, Fair	75	57	91	0.50	0.47	0.44	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54					
	0.60	HZ-101	S34	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04					
	8.70	HZ-101	S34	C	Fallow	91	80	98	7.21	7.09	6.92	4.44	3.42	2.27		1.00	0.25	2.61	4.35	5.22					
	44.90	HZ-101	S34	C	Grass, Annual or Perennial, Fair	79	62	93	27.76	26.63	25.05	9.76	5.18	1.52		1.00	0.25	13.47	22.45	26.94					
	83.50	HZ-101	S34	C	Open Brush, Fair	77	59	92	48.86	46.66	43.59	15.59	7.61	1.69		1.00	0.25	25.05	41.75	50.10					
	0.40	HZ-101	S34	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01		1.00	0.25	0.12	0.20	0.24					
	0.80	HZ-101	S34	D	Chaparral, Broadleaf, Fair	81	64	95	0.52	0.50	0.48	0.20	0.12	0.04		1.00	0.20	0.24	0.40	0.48					
	3.70	HZ-101	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.17	3.00		0.10	0.20	0.11	0.19	0.22					
	22.10	HZ-101	S34	D	Fallow	94	85	99	19.55	19.34	19.02	13.75	11.41	8.52		1.00	0.20	6.63	11.05	13.26					
	321.20	HZ-101	S34	D	Grass, Annual or Perennial, Fair	84	69	96	226.03	219.17	209.42	101.04	64.08	29.46		1.00	0.20	96.36	160.60	192.72					
	44.30	HZ-101	S34	D	Open Brush, Fair	83	67	96	30.41	29.42	28.03	12.99	7.99	3.43		1.00	0.20	13.29	22.15	26.58					
	2.20	HZ-101	S34	D	Public Park	75	57	91	1.35	1.30	1.23	1.10	0.87	0.62		0.85	0.20	0.56	0.94	1.12					
	10.80	HZ-101	S34	D	Residential 3-4 dwellings/acre	75	57	91	7.73	7.54	7.27	6.80	5.92	4.95		0.60	0.20	1.94	3.24	3.89					
	0.00	HZ-101	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00					
	9.80	HZ-101	S34	D	Woodland, Grass, Fair	82	66	95	6.56	6.33	6.01	2.67	1.59	0.63		1.00	0.20	2.94	4.90	5.88					
	0.20	HZ-209	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12					
	4.00	HZ-209	S34	C	Grass, Annual or Perennial, Fair	79	62	93	2.47	2.37	2.23	0.87	0.46	0.14		1.00	0.25	1.20	2.00	2.40					
	2.00	HZ-209	S34	D	Grass, Annual or Perennial, Fair	84	69	96	1.41	1.36	1.30	0.63	0.40	0.18		1.00	0.20	0.60	1.00	1.20					
	9.70	HZ-209	S34	A	Open Brush, Fair	46	28	66	1.45	1.22	0.93	0.00	0.00	0.00		1.00	0.40	2.91	4.85	5.82					
	2.60	HZ-209	S34	C	Open Brush, Fair	77	59	92	1.52	1.45	1.36	0.49	0.24	0.05		1.00	0.25	0.78	1.30	1.56					
	0.00	HZ-209	S34	D	Open Brush, Fair	83	67	96	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00					
	1.60	HZ-209	S34	C	Row Crops, Poor	88	75	98	1.24	1.21	1.17	0.67	0.48	0.28		1.00	0.25	0.48	0.80	0.96					
	2.00	HZ-209	S34	D	Row Crops, Poor	91	80	98	1.66	1.63	1.59	1.02	0.79	0.52		1.00	0.20	0.60	1.00	1.20					
	12.50	HZ-209	S34	A	Woodland, Grass, Fair	44	26	64	1.60	1.31	0.97	0.00	0.00	0.00		1.00	0.40	3.75	6.25	7.50					
	5.80	HZ-209	S34	C	Woodland, Grass, Fair	77	59	92	3.39	3.24	3.03	1.08	0.53	0.12		1.00	0.25	1.74	2.90	3.48					
	0.10	HZ-209	S34	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06					
	9.20	HZ-505	S34	A	Open Brush, Fair	46	28	66	1.37	1.15	0.88	0.00	0.00	0.00		1.00	0.40	2.76	4.60	5.52					
	6.40	HZ-505	S34	A	Public Park	32	17	52	1.06	1.00	0.94	0.90	0.88	0.85		0.85	0.40	1.63	2.72	3.26					
	3.30	HZ-505	S34	A	Row Crops, Poor	72	53	89	1.67	1.57	1.44	0.39	0.14	0.00		1.00	0.40	0.99	1.65	1.98					
	4.90	HZ-505	S34	A	Woodland, Grass, Fair	44	26	64	0.63	0.52	0.38	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94					
	7.90	HZ-505	S34	B	Open Brush, Fair	66	46	84	3.26	3.03	2.71	0.43	0.06	0.00		1.00	0.30	2.37	3.95	4.74					
	2.00	HZ-505	S34	B	Public Park	56	36	76	0.75	0.70	0.64	0.53	0.38	0.28		0.85	0.30	0.51	0.85	1.02					
	16.20	HZ-505	S34	B	Row Crops, Poor	81	64	95	10.56	10.18	9.64	4.09	2.35	0.85		1.00	0.30	4.86	8.10	9.72					
	1.20	HZ-505	S34	B	Woodland, Grass, Fair	65	45	83	0.48	0.44	0.39	0.06	0.00	0.00		1.00	0.30	0.36	0.60	0.72					
	23.90	HZ-505	S34	C	Chaparral, Broadleaf, Fair	75	57	91	13.21	12.55	11.65	3.78	1.66	0.24		1.00	0.25	7.17	11.95	14.34					
	4.10	HZ-505	S34	C	Grass, Annual or Perennial, Fair	79	62	93	2.54	2.43	2.29	0.89	0.47	0.14		1.00	0.25	1.23	2.05	2.46					
	9.80	HZ-505	S34	C	Open Brush, Fair	77	59	92	5.73	5.48	5.12	1.83	0.89	0.20	</										

RANCHO MISSION VIEJO

PA-3&4(Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)

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		
						EV						HC													
						100	50	25	10	5	2	100													
						AMC			P ₂₄ (Inches)																
						II	I	III	AMC 1/AMCII						5.63										
	0.60	HZ-507	S34	A	Chaparral, Broadleaf, Fair	40	23	60	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.18	0.30	0.36					
	17.60	HZ-507	S34	A	Open Brush, Fair	46	28	66	2.63	2.21	1.69	0.00	0.00	0.00		1.00	0.40	5.28	8.80	10.56					
	12.00	HZ-507	S34	A	Woodland, Grass, Fair	44	26	64	1.53	1.26	0.93	0.00	0.00	0.00		1.00	0.40	3.60	6.00	7.20					
	9.90	HZ-507	S34	B	Chaparral, Broadleaf, Fair	63	43	81	3.65	3.36	2.96	0.33	0.01	0.00		1.00	0.30	2.97	4.95	5.94					
	1.00	HZ-507	S34	B	Open Brush, Fair	66	46	84	0.41	0.38	0.34	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60					
	9.60	HZ-507	S34	B	Woodland, Grass, Fair	65	45	83	3.82	3.53	3.15	0.44	0.04	0.00		1.00	0.30	2.88	4.80	5.76					
	172.40	HZ-507	S34	C	Chaparral, Broadleaf, Fair	75	57	91	95.26	90.54	84.01	27.26	12.00	1.75		1.00	0.25	51.72	86.20	103.44					
	6.10	HZ-507	S34	C	Open Brush, Fair	77	59	92	3.57	3.41	3.18	1.14	0.56	0.12		1.00	0.25	1.83	3.05	3.66					
	1.00	HZ-507	S34	C	Woodland, Grass, Fair	77	59	92	0.59	0.56	0.52	0.19	0.09	0.02		1.00	0.25	0.30	0.50	0.60					
	1.20	HZ-507	S34	D	Chaparral, Broadleaf, Fair	81	64	95	0.78	0.75	0.71	0.30	0.17	0.06		1.00	0.20	0.36	0.60	0.72					
	0.10	HZ-508	S34	A	Chaparral, Broadleaf, Fair	40	23	60	0.01	0.01	0.00	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06					
	0.00	HZ-508	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00					
	0.20	HZ-508	S34	A	Open Brush, Fair	46	28	66	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12					
	8.00	HZ-508	S34	A	Woodland, Grass, Fair	44	26	64	1.02	0.84	0.62	0.00	0.00	0.00		1.00	0.40	2.40	4.00	4.80					
	1.80	HZ-508	S34	B	Chaparral, Broadleaf, Fair	63	43	81	0.66	0.61	0.54	0.06	0.00	0.00		1.00	0.30	0.54	0.90	1.08					
	2.40	HZ-508	S34	B	Woodland, Grass, Fair	65	45	83	0.96	0.88	0.79	0.11	0.01	0.00		1.00	0.30	0.72	1.20	1.44					
	96.90	HZ-508	S34	C	Chaparral, Broadleaf, Fair	75	57	91	53.54	50.89	47.22	15.32	6.74	0.98		1.00	0.25	29.07	48.45	58.14					
	4.50	HZ-508	S34	C	Open Brush, Fair	77	59	92	2.63	2.51	2.35	0.84	0.41	0.09		1.00	0.25	1.35	2.25	2.70					
	0.60	HZ-508	S34	C	Woodland, Grass, Fair	77	59	92	0.35	0.34	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36					
	16.80	HZ-508	S34	D	Chaparral, Broadleaf, Fair	81	64	95	10.95	10.56	9.99	4.24	2.43	0.88		1.00	0.20	5.04	8.40	10.08					
	7.00	S36-86.5	S34	A	Open Brush, Fair	46	28	66	1.05	0.88	0.67	0.00	0.00	0.00		1.00	0.40	2.10	3.50	4.20					
	3.30	S36-86.5	S34	A	Woodland, Grass, Fair	44	26	64	0.42	0.35	0.26	0.00	0.00	0.00		1.00	0.40	0.99	1.65	1.98					
	0.40	S36-86.5	S34	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02					
	1.40	S36-86.5	S34	C	Open Brush, Fair	77	59	92	0.82	0.78	0.73	0.26	0.13	0.03		1.00	0.25	0.42	0.70	0.84					
	0.00	S36-86.5	S34	C	Woodland, Grass, Fair	77	59	92	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.25	0.00	0.00	0.00					
	0.30	S36-86.5	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02					
	0.00	S36-86.5	S34	D	Open Brush, Fair	83	67	96	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00					
	0.40	S36-86.6	S34	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24					
	2.90	S36-86.6	S34	A	Woodland, Grass, Fair	44	26	64	0.37	0.30	0.23	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74					
	62747.4					Low Loss Fraction (1-Y) =							0.392	0.416	0.448	0.732	0.825	0.903	1.000	F _m =		0.284	0.473	0.567	0.000

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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			P ₂₄ (Inches)							HC		Storm Event (Year)									
						100	50	25	10	5	2	100	AMC 1/AMCII				EV				HC						
						II	I	III																			
	9.71		S1	A	Chaparral, Broadleaf, Fair	40	23	60	0.81	0.63	0.42	0.00	0.00	0.00	2.91	1.00	0.40	2.91	4.86	5.83	3.89						
	73.91		S1	B	Chaparral, Broadleaf, Fair	63	43	81	26.85	24.70	21.71	2.27	0.04	0.00		1.00	0.30	22.17	36.95	44.34							
	1029.81		S1	C	Chaparral, Broadleaf, Fair	75	57	91	563.84	536.19	496.40	158.50	68.66	9.09		1.00	0.25	308.94	514.91	617.89							
	758.05		S1	D	Chaparral, Broadleaf, Fair	81	64	95	491.01	473.28	447.30	187.90	106.88	37.64		1.00	0.20	227.41	379.02	454.83							
	52.00		S1	C	Fallow	91	80	98	42.98	42.27	41.19	26.30	20.19	13.28		1.00	0.25	15.60	26.00	31.20							
	2.73		S1	D	Fallow	94	85	99	2.41	2.38	2.34	1.69	1.40	1.04		1.00	0.20	0.82	1.36	1.64							
	54.84		S1	B	Woodland, Fair	60	40	79	17.59	16.01	13.84	0.84	0.00	0.00		1.00	0.30	16.45	27.42	32.90							
	58.35		S1	C	Woodland, Fair	73	55	89	30.07	28.46	26.15	7.44	2.81	0.16		1.00	0.25	17.51	29.18	35.01							
	1.95		S1	D	Woodland, Fair	79	62	93	1.20	1.15	1.08	0.41	0.22	0.06		1.00	0.20	0.59	0.98	1.17							
	48.35		S1	B	Woodland, Poor	66	46	84	19.69	18.28	16.31	2.51	0.30	0.00		1.00	0.30	14.50	24.17	29.01							
	44.42		S1	C	Woodland, Poor	77	59	92	25.78	24.63	22.96	8.10	3.90	0.82		1.00	0.25	13.32	22.21	26.65							
	95.06		S2	B	Chaparral, Broadleaf, Fair	63	43	81	34.54	31.76	27.92	2.93	0.05	0.00		1.00	0.30	28.52	47.53	57.04							
	1437.77		S2	C	Chaparral, Broadleaf, Fair	75	57	91	787.20	748.60	693.05	221.29	95.86	12.69		1.00	0.25	431.33	718.88	862.66							
	107.72		S2	D	Chaparral, Broadleaf, Fair	81	64	95	69.77	67.25	63.56	26.70	15.19	5.35		1.00	0.20	32.32	53.86	64.63							
	15.50		S2	B	Woodland, Fair	60	40	79	4.97	4.53	3.91	0.24	0.00	0.00		1.00	0.30	4.65	7.75	9.30							
	94.17		S2	C	Woodland, Fair	73	55	89	48.52	45.92	42.20	12.01	4.54	0.25		1.00	0.25	28.25	47.08	56.50							
	35.70		S2	B	Woodland, Grass, Fair	65	45	83	14.01	12.97	11.52	1.55	0.12	0.00		1.00	0.30	10.71	17.85	21.42							
	55.19		S2	C	Woodland, Grass, Fair	77	59	92	32.03	30.60	28.54	10.06	4.85	1.02		1.00	0.25	16.56	27.60	33.12							
	5.90		S3	A	Chaparral, Broadleaf, Fair	40	23	60	0.49	0.38	0.25	0.00	0.00	0.00		1.00	0.40	1.77	2.95	3.54							
	13.63		S3	B	Chaparral, Broadleaf, Fair	63	43	81	4.95	4.55	4.00	0.42	0.01	0.00		1.00	0.30	4.09	6.81	8.18							
	754.34		S3	C	Chaparral, Broadleaf, Fair	75	57	91	413.01	392.76	363.62	116.10	50.29	6.66		1.00	0.25	226.30	377.17	452.60							
	737.55		S3	D	Chaparral, Broadleaf, Fair	81	64	95	477.74	460.48	435.21	182.82	103.99	36.63		1.00	0.20	221.27	368.78	442.53							
	322.55		S3	C	Chaparral, Narrowleaf, Fair	81	64	95	208.92	201.38	190.32	79.95	45.48	16.02		1.00	0.25	96.76	161.27	193.53							
	642.13		S3	D	Chaparral, Narrowleaf, Fair	86	72	97	472.14	459.81	441.49	229.59	153.88	78.94		1.00	0.20	192.64	321.07	385.28							
	4.47		S3	C	Commercial, Industrial	69	50	86	4.07	4.04	4.00	3.93	3.78	3.58		0.10	0.25	0.13	0.22	0.27							
	8.45		S3	C	Grass, Annual or Perennial, Fair	79	62	93	5.19	4.98	4.67	1.80	0.95	0.27		1.00	0.25	2.54	4.23	5.07							
	0.97		S3	D	Grass, Annual or Perennial, Fair	84	69	96	0.68	0.66	0.63	0.30	0.19	0.09		1.00	0.20	0.29	0.49	0.58							
	9.81		S3	D	Open Brush, Fair	83	67	96	6.69	6.48	6.16	2.83	1.73	0.73		1.00	0.20	2.94	4.91	5.89							
	4.08		S3	B	Public Park	56	36	76	1.51	1.41	1.28	1.07	0.77	0.56		0.85	0.30	1.04	1.74	2.08							
	47.90		S3	C	Public Park	69	50	86	25.33	24.13	22.44	19.62	14.77	10.08		0.85	0.25	12.21	20.36	24.43							
	0.38		S3	C	Residential 1 acre lots	69	50	86	0.21	0.20	0.19	0.17	0.13	0.09		0.80	0.25	0.09	0.15	0.18							
	0.21		S3	D	Woodland, Fair	79	62	93	0.13	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12							
	2.60		S3	A	Woodland, Grass, Fair	44	26	64	0.32	0.26	0.19	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56							
	60.94		S3	B	Woodland, Grass, Fair	65	45	83	23.92	22.14	19.66	2.65	0.21	0.00		1.00	0.30	18.28	30.47	36.56							
	155.04		S3	C	Woodland, Grass, Fair	77	59	92	89.97	85.96	80.15	28.27	13.63	2.86		1.00	0.25	46.51	77.52	93.02							
	90.19		S3	D	Woodland, Grass, Fair	82	66	95	59.97	57.93	54.93	24.15	14.26	5.52		1.00	0.20	27.06	45.10	54.12							
	41.60		S4	A	Chaparral, Broadleaf, Fair	40	23	60	3.48	2.72	1.78	0.00	0.00	0.00		1.00	0.40	12.48	20.80	24.96							
	47.53		S4	B	Chaparral, Broadleaf, Fair	63	43	81	17.27	15.88	13.96	1.46	0.02	0.00		1.00	0.30	14.26	23.77	28.52							
	998.31		S4	C	Chaparral, Broadleaf, Fair	75	57	91	546.59	519.79	481.22	153.65	66.56	8.81		1.00	0.25	299.49	499.16	598.99							
	181.26		S4	D	Chaparral, Broadleaf, Fair	81	64	95	117.40	113.16	106.95	44.93	25.56	9.00		1.00	0.20	54.38	90.63	108.75							
	71.49		S4	C	Chaparral, Narrowleaf, Fair	81	64	95	46.30	44.63	42.18	17.72	10.08	3.55		1.00	0.25	21.45	35.74	42.89							
	0.93		S4	D	Chaparral, Narrowleaf, Fair	86	72	97	0.68	0.66	0.64	0.33	0.22	0.11		1.00	0.20	0.28	0.46	0.56							
	25.40		S4	B	Fallow	86	72	97	18.68	18.19	17.46	9.08	6.09	3.12		1.00	0.30	7.62	12.70	15.24							
	60.60		S4	C	Fallow	91	80	98	50.09	49.26	48.01	30.65	23.53	15.47		1.00	0.25	18.18	30.30	36.36							
	0.09		S4	D	Fallow	94	85	99	0.08	0.08	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.05							
	11.02		S4	B	Woodland, Fair	60	40	79	3.54	3.22	2.78	0.17	0.00	0.00		1.00	0.30	3.31	5.51	6.61							
	24.63		S4	C	Woodland, Fair	73	55	89	12.69	12.01	11.04	3.14	1.19	0.07		1.00	0.25	7.39	12.31	14.78							
	0.76		S4	B	Woodland, Poor	66	46	84	0.31	0.29	0.26	0.04	0.00	0.00		1.00	0.30	0.23	0.38	0.45							
	8.00		S4	C	Woodland, Poor	77	59	92	4.64	4.43	4.13	1.46	0.70	0.15		1.00	0.25	2.40	4.00	4.80							
	3.22		S5	B	Chaparral, Broadleaf, Fair	63	43	81	1.17	1.08	0.95	0.10	0.00	0.00		1.00	0.30	0.97	1.61	1.93							
	43.68		S5	C	Chaparral, Broadleaf, Fair	75	57	91	23.92	22.74	21.06	6.72	2.91	0.39		1.00	0.25	13.10	21.84	26.21							
	204.58		S5	D	Chaparral, Broadleaf, Fair	81	64	95	132.51	127.73	120.72	50.71	28.85	10.16		1.00	0.20	61.37	102.29	122.75							
	9.30		S5	B	Chaparral, Narrowleaf, Fair	72	53	89	4.64	4.38	4.01	1.07	0.37	0.01		1.00	0.30	2.79	4.65	5.58							
	283.71		S5	C	Chaparral, Narrowleaf, Fair	81	64	95	183.77	177.13	167.41	70.32	40.00	14.09		1.00	0.25	85.11	141.85	170.23							
	334.67		S5	D	Chaparral, Narrowleaf, Fair	86	72	97	246.07	239.64	230.09	119.66	80.20	41.14		1.00	0.20	100.40	167.33	200.80							
	3.04		S5	C	Residential 1 acre lots	69	50	86	1.69	1.61	1.51	1.34	1.05	0.76		0.80	0.25	0.73	1.22	1.46							
	10.47		S5	B	Woodland, Grass, Fair	65	45	83	4.11	3.81	3.38	0.46	0.04	0.00		1.00	0.30	3.14	5.24	6.28							
	4.29		S5	C	Woodland, Grass, Fair	77	59	92	2.49	2.38	2.22	0.78	0.38	0.08		1.00	0.25	1.29	2.15	2.58							
	21.26		S5	D	Woodland, Grass, Fair	82	66	95	14.14	13.66	12.95	5.69	3.36	1.30		1.00	0.20	6.38	10.63	12.76							
	20.32		S66																								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100										
								AMC		P ₂₄ (Inches)										5.63				
								II	I	III	AMC 1/AMCII													
	154.64		S7	C	Chaparral, Broadleaf, Fair	75	57	91	84.67	80.52	74.54	23.80	10.31	1.37		1.00	0.25	46.39	77.32	92.79				
	650.67		S7	D	Chaparral, Broadleaf, Fair	81	64	95	421.46	406.23	383.94	161.28	91.74	32.31		1.00	0.20	195.20	325.33	390.40				
	1.62		S7	A	Chaparral, Narrowleaf, Fair	55	35	75	0.41	0.37	0.31	0.00	0.00	0.00		1.00	0.40	0.49	0.81	0.97				
	1.83		S7	B	Chaparral, Narrowleaf, Fair	72	53	89	0.92	0.86	0.79	0.21	0.07	0.00		1.00	0.30	0.55	0.92	1.10				
	119.57		S7	C	Chaparral, Narrowleaf, Fair	81	64	95	77.45	74.65	70.55	29.64	16.86	5.94		1.00	0.25	35.87	59.78	71.74				
	705.90		S7	D	Chaparral, Narrowleaf, Fair	86	72	97	519.02	505.47	485.33	252.39	169.16	86.77		1.00	0.20	211.77	352.95	423.54				
	6.15		S7	C	Grass, Annual or Perennial, Fair	79	62	93	3.78	3.62	3.40	1.31	0.69	0.19		1.00	0.25	1.85	3.08	3.69				
	8.08		S7	D	Grass, Annual or Perennial, Fair	84	69	96	5.66	5.49	5.24	2.50	1.58	0.71		1.00	0.20	2.42	4.04	4.85				
	15.59		S7	C	Open Brush, Fair	77	59	92	9.04	8.64	8.06	2.84	1.37	0.29		1.00	0.25	4.68	7.79	9.35				
	77.13		S7	D	Open Brush, Fair	83	67	96	52.63	50.94	48.45	22.24	13.59	5.71		1.00	0.20	23.14	38.56	46.28				
	2.83		S7	C	Public Park	69	50	86	1.49	1.42	1.32	1.16	0.87	0.59		0.85	0.25	0.72	1.20	1.44				
	4.53		S7	C	Residential 1 acre lots	69	50	86	2.51	2.40	2.25	2.00	1.56	1.13		0.80	0.25	1.09	1.81	2.17				
	23.54		S7	C	School	69	50	86	15.44	15.00	14.38	13.32	11.48	9.59		0.60	0.25	4.24	7.06	8.48				
	0.65		S7	D	School	75	57	91	0.47	0.45	0.44	0.41	0.36	0.30		0.60	0.20	0.12	0.20	0.24				
	10.99		S7	A	Woodland, Grass, Fair	44	26	64	1.36	1.12	0.81	0.00	0.00	0.00		1.00	0.40	3.30	5.50	6.59				
	27.31		S7	B	Woodland, Grass, Fair	65	45	83	10.72	9.92	8.81	1.19	0.09	0.00		1.00	0.30	8.19	13.66	16.39				
	66.03		S7	C	Woodland, Grass, Fair	77	59	92	38.32	36.61	34.14	12.04	5.80	1.22		1.00	0.25	19.81	33.01	39.62				
	83.68		S7	D	Woodland, Grass, Fair	82	66	95	55.64	53.75	50.96	22.41	13.23	5.12		1.00	0.20	25.10	41.84	50.21				
	2.17		S8	A	Chaparral, Broadleaf, Fair	40	23	60	0.18	0.14	0.09	0.00	0.00	0.00		1.00	0.40	0.65	1.08	1.30				
	62.77		S8	C	Chaparral, Broadleaf, Fair	75	57	91	34.37	32.68	30.26	9.66	4.18	0.55		1.00	0.25	18.83	31.39	37.66				
	828.83		S8	D	Chaparral, Broadleaf, Fair	81	64	95	536.85	517.46	489.06	205.44	116.86	41.16		1.00	0.20	248.65	414.41	497.30				
	4.58		S8	A	Chaparral, Narrowleaf, Fair	55	35	75	1.16	1.03	0.86	0.00	0.00	0.00		1.00	0.40	1.37	2.29	2.75				
	473.80		S8	C	Chaparral, Narrowleaf, Fair	81	64	95	306.90	295.81	279.58	117.44	66.81	23.53		1.00	0.25	142.14	236.90	284.28				
	380.43		S8	D	Chaparral, Narrowleaf, Fair	86	72	97	279.71	272.41	261.56	136.02	91.16	46.76		1.00	0.20	114.13	190.21	228.26				
	9.56		S8	A	Open Brush, Fair	46	28	66	1.39	1.16	0.88	0.00	0.00	0.00		1.00	0.40	2.87	4.78	5.74				
	98.44		S8	C	Open Brush, Fair	77	59	92	57.13	54.58	50.89	17.95	8.65	1.81		1.00	0.25	29.53	49.22	59.06				
	318.26		S8	D	Open Brush, Fair	83	67	96	217.15	210.19	199.94	91.77	56.06	23.54		1.00	0.20	95.48	159.13	190.95				
	14.99		S8	A	Woodland, Grass, Fair	44	26	64	1.85	1.52	1.11	0.00	0.00	0.00		1.00	0.40	4.50	7.50	9.00				
	21.60		S8	C	Woodland, Grass, Fair	77	59	92	12.54	11.98	11.17	3.94	1.90	0.40		1.00	0.25	6.48	10.80	12.96				
	53.83		S8	D	Woodland, Grass, Fair	82	66	95	35.79	34.57	32.78	14.41	8.51	3.29		1.00	0.20	16.15	26.91	32.30				
	0.97		S9	A	Chaparral, Broadleaf, Fair	40	23	60	0.08	0.06	0.04	0.00	0.00	0.00		1.00	0.40	0.29	0.48	0.58				
	5.45		S9	B	Chaparral, Broadleaf, Fair	63	43	81	1.98	1.82	1.60	0.17	0.00	0.00		1.00	0.30	1.63	2.72	3.27				
	476.00		S9	C	Chaparral, Broadleaf, Fair	75	57	91	260.62	247.84	229.45	73.26	31.73	4.20		1.00	0.25	142.80	238.00	285.60				
	240.06		S9	D	Chaparral, Broadleaf, Fair	81	64	95	155.49	149.88	141.65	59.50	33.85	11.92		1.00	0.20	72.02	120.03	144.03				
	1.16		S9	B	Chaparral, Narrowleaf, Fair	72	53	89	0.58	0.55	0.50	0.13	0.05	0.00		1.00	0.30	0.35	0.58	0.69				
	602.70		S9	C	Chaparral, Narrowleaf, Fair	81	64	95	390.38	376.28	355.63	149.39	84.98	29.93		1.00	0.25	180.81	301.35	361.62				
	212.84		S9	D	Chaparral, Narrowleaf, Fair	86	72	97	156.49	152.40	146.33	76.10	51.00	26.16		1.00	0.20	63.85	106.42	127.70				
	0.26		S9	A	Open Brush, Fair	46	28	66	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.08	0.13	0.16				
	0.06		S9	B	Open Brush, Fair	66	46	84	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.03				
	118.82		S9	C	Open Brush, Fair	77	59	92	68.96	65.88	61.43	21.66	10.44	2.19		1.00	0.25	35.65	59.41	71.29				
	74.36		S9	D	Open Brush, Fair	83	67	96	50.73	49.11	46.71	21.44	13.10	5.50		1.00	0.20	22.31	37.18	44.61				
	6.82		S9	D	Open Brush, Good	81	64	95	4.42	4.26	4.03	1.69	0.96	0.34		1.00	0.20	2.05	3.41	4.09				
	6.34		S9	A	Woodland, Grass, Fair	44	26	64	0.78	0.64	0.47	0.00	0.00	0.00		1.00	0.40	1.90	3.17	3.81				
	12.90		S9	B	Woodland, Grass, Fair	65	45	83	5.06	4.69	4.16	0.56	0.04	0.00		1.00	0.30	3.87	6.45	7.74				
	52.70		S9	C	Woodland, Grass, Fair	77	59	92	30.58	29.22	27.24	9.61	4.63	0.97		1.00	0.25	15.81	26.35	31.62				
	16.07		S9	D	Woodland, Grass, Fair	82	66	95	10.69	10.32	9.79	4.30	2.54	0.98		1.00	0.20	4.82	8.04	9.64				
	65.47		S10	A	Chaparral, Broadleaf, Fair	40	23	60	5.48	4.28	2.81	0.00	0.00	0.00		1.00	0.40	19.64	32.74	39.28				
	1.23		S10	B	Chaparral, Broadleaf, Fair	63	43	81	0.45	0.41	0.36	0.04	0.00	0.00		1.00	0.30	0.37	0.61	0.74				
	0.16		S10	C	Chaparral, Broadleaf, Fair	75	57	91	0.09	0.08	0.08	0.02	0.01	0.00		1.00	0.25	0.05	0.08	0.10				
	247.92		S10	D	Chaparral, Broadleaf, Fair	81	64	95	160.59	154.79	146.29	61.45	34.96	12.31		1.00	0.20	74.38	123.96	148.75				
	0.16		S10	A	Chaparral, Narrowleaf, Fair	55	35	75	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.05	0.08	0.09				
	0.11		S10	C	Chaparral, Narrowleaf, Fair	81	64	95	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.06	0.07				
	65.21		S10	D	Chaparral, Narrowleaf, Fair	86	72	97	47.95	46.69	44.83	23.31	15.63	8.02		1.00	0.20	19.56	32.60	39.13				
	5.06		S10	A	Open Brush, Fair	46	28	66	0.73	0.62	0.47	0.00	0.00	0.00		1.00	0.40	1.52	2.53	3.04				
	105.84		S10	D	Open Brush, Fair	83	67	96	72.22	69.90	66.49	30.52	18.64	7.83		1.00	0.20	31.75	52.92	63.51				
	2.32		S10	A	Open Brush, Good	41	24	61	0.22	0.17	0.12	0.00	0.00	0.00		1.00	0.40	0.70	1.16	1.39				
	0.27		S10	B	Open Brush, Good	63	43	81	0.10	0.09	0.08	0.01	0.00	0.00		1.00	0.30	0.08	0.14	0.16				
	155.88		S10	C	Open Brush, Good	75	57	91	85.35	81.16	75.14	23.99	10.39	1.38		1.00	0.25	46.76	77.94	93.53				
	158.20		S10	D	Open Brush, Good	81	64	95	102.47	98.77	93.35	39.21	22.31	7.86		1.00	0.20	47.46	79.10	94.92				
	0.39		S10	B	Public Park	56	36	76	0.14	0.13	0.12	0.10	0.07	0.05		0.85	0.30	0.10	0.16	0.20				
	9.13		S10	A	Residential 1 acre lots	32	17	52	1.92	1.84	1.76	1.72	1.67	1.61		0.80	0.40	2.19	3.65	4.38				
	9.22		S10	C	Residential 1 acre lots	69	50	86	5.11	4.89	4.58	4.06	3.17	2.30		0.80	0.25	2.21	3.69	4.42				
	2.19		S10	D	Residential 1 acre lots	75	57	91	1.38	1.33	1.26	1.14	0.92	0.68										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100										
								P ₂₄ (Inches)												5.63				
								AMC 1/AMCII																
AMC		P ₂₄ (Inches)										5.63												
II	I	III	AMC 1/AMCII																					

	22.90		S11	C	Chaparral, Narrowleaf, Fair	81	64	95	14.83	14.30	13.51	5.68	3.23	1.14		1.00	0.25	6.87	11.45	13.74	
	683.24		S11	D	Chaparral, Narrowleaf, Fair	86	72	97	502.36	489.25	469.75	244.29	163.73	83.99		1.00	0.20	204.97	341.62	409.94	
	9.74		S11	B	Grass, Annual or Perennial, Fair	69	50	86	4.41	4.13	3.73	0.79	0.19	0.00		1.00	0.30	2.92	4.87	5.85	
	13.55		S11	C	Grass, Annual or Perennial, Fair	79	62	93	8.32	7.98	7.50	2.88	1.52	0.43		1.00	0.25	4.07	6.78	8.13	
	0.86		S11	D	Grass, Annual or Perennial, Fair	84	69	96	0.60	0.59	0.56	0.27	0.17	0.08		1.00	0.20	0.26	0.43	0.52	
	9.65		S11	C	Open Brush, Fair	77	59	92	5.60	5.35	4.99	1.76	0.85	0.18		1.00	0.25	2.89	4.82	5.79	
	112.49		S11	D	Open Brush, Fair	83	67	96	76.75	74.29	70.67	32.44	19.81	8.32		1.00	0.20	33.75	56.25	67.50	
	1.41		S11	B	Public Park	56	36	76	0.52	0.49	0.44	0.37	0.26	0.19		0.85	0.30	0.36	0.60	0.72	
	5.39		S11	C	Public Park	69	50	86	2.85	2.71	2.52	2.21	1.66	1.13		0.85	0.25	1.37	2.29	2.75	
	1.78		S11	D	Public Park	75	57	91	1.09	1.04	0.98	0.88	0.69	0.49		0.85	0.20	0.45	0.76	0.91	
	0.27		S11	C	Woodland, Fair	73	55	89	0.14	0.13	0.12	0.03	0.01	0.00		1.00	0.25	0.08	0.14	0.16	
	45.10		S11	D	Woodland, Fair	79	62	93	27.68	26.56	24.94	9.59	5.05	1.42		1.00	0.20	13.53	22.55	27.06	
	13.34		S11	B	Woodland, Grass, Fair	65	45	83	5.24	4.85	4.30	0.58	0.05	0.00		1.00	0.30	4.00	6.67	8.00	
	61.25		S11	C	Woodland, Grass, Fair	77	59	92	35.55	33.96	31.67	11.17	5.38	1.13		1.00	0.25	18.38	30.63	36.75	
	24.56		S11	D	Woodland, Grass, Fair	82	66	95	16.33	15.78	14.96	6.58	3.88	1.50		1.00	0.20	7.37	12.28	14.74	
	17.17		S12	A	Chaparral, Broadleaf, Fair	40	23	60	1.44	1.12	0.74	0.00	0.00	0.00		1.00	0.40	5.15	8.58	10.30	
	306.06		S12	C	Chaparral, Broadleaf, Fair	75	57	91	167.57	159.36	147.53	47.11	20.41	2.70		1.00	0.25	91.82	153.03	183.64	
	487.33		S12	D	Chaparral, Broadleaf, Fair	81	64	95	315.66	304.26	287.56	120.80	68.71	24.20		1.00	0.20	146.20	243.67	292.40	
	12.40		S12	A	Chaparral, Narrowleaf, Fair	55	35	75	3.14	2.80	2.34	0.01	0.00	0.00		1.00	0.40	3.72	6.20	7.44	
	68.72		S12	C	Chaparral, Narrowleaf, Fair	81	64	95	44.51	42.90	40.55	17.03	9.69	3.41		1.00	0.25	20.62	34.36	41.23	
	724.53		S12	D	Chaparral, Narrowleaf, Fair	86	72	97	532.72	518.81	498.14	259.05	173.62	89.06		1.00	0.20	217.36	362.26	434.72	
	7.07		S12	A	Open Brush, Fair	46	28	66	1.03	0.86	0.65	0.00	0.00	0.00		1.00	0.40	2.12	3.54	4.24	
	0.89		S12	C	Open Brush, Fair	77	59	92	0.52	0.49	0.46	0.16	0.08	0.02		1.00	0.25	0.27	0.45	0.53	
	407.66		S12	D	Open Brush, Fair	83	67	96	278.15	269.24	256.10	117.55	71.80	30.16		1.00	0.20	122.30	203.83	244.60	
	0.26		S12	C	Public Park	69	50	86	0.14	0.13	0.12	0.11	0.08	0.05		0.85	0.25	0.07	0.11	0.13	
	0.00		S12	D	Public Park	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.85	0.20	0.00	0.00	0.00	
	6.85		S12	A	Woodland, Grass, Fair	44	26	64	0.85	0.70	0.51	0.00	0.00	0.00		1.00	0.40	2.06	3.43	4.11	
	22.97		S12	B	Woodland, Grass, Fair	65	45	83	9.01	8.34	7.41	1.00	0.08	0.00		1.00	0.30	6.89	11.48	13.78	
	248.53		S12	C	Woodland, Grass, Fair	77	59	92	144.23	137.80	128.49	45.31	21.84	4.58		1.00	0.25	74.56	124.27	149.12	
	60.03		S12	D	Woodland, Grass, Fair	82	66	95	39.92	38.56	36.56	16.07	9.49	3.67		1.00	0.20	18.01	30.02	36.02	
	15.97		S13	A	Chaparral, Broadleaf, Fair	40	23	60	1.34	1.04	0.69	0.00	0.00	0.00		1.00	0.40	4.79	7.98	9.58	
	7.05		S13	B	Chaparral, Broadleaf, Fair	63	43	81	2.56	2.35	2.07	0.22	0.00	0.00		1.00	0.30	2.11	3.52	4.23	
	645.40		S13	C	Chaparral, Broadleaf, Fair	75	57	91	353.37	336.04	311.11	99.34	43.03	5.70		1.00	0.25	193.62	322.70	387.24	
	120.49		S13	D	Chaparral, Broadleaf, Fair	81	64	95	78.04	75.22	71.09	29.86	16.99	5.98		1.00	0.20	36.15	60.24	72.29	
	25.50		S13	A	Chaparral, Narrowleaf, Fair	55	35	75	6.46	5.76	4.81	0.03	0.00	0.00		1.00	0.40	7.65	12.75	15.30	
	11.66		S13	B	Chaparral, Narrowleaf, Fair	72	53	89	5.82	5.50	5.03	1.34	0.47	0.01		1.00	0.30	3.50	5.83	7.00	
	497.07		S13	C	Chaparral, Narrowleaf, Fair	81	64	95	321.96	310.34	293.30	123.21	70.09	24.68		1.00	0.25	149.12	248.53	298.24	
	451.84		S13	D	Chaparral, Narrowleaf, Fair	86	72	97	332.22	323.55	310.66	161.55	108.28	55.54		1.00	0.20	135.55	225.92	271.11	
	4.19		S13	A	Open Brush, Fair	46	28	66	0.61	0.51	0.39	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52	
	1.00		S13	B	Open Brush, Fair	66	46	84	0.41	0.38	0.34	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60	
	104.58		S13	C	Open Brush, Fair	77	59	92	60.69	57.99	54.07	19.07	9.19	1.93		1.00	0.25	31.37	52.29	62.75	
	161.75		S13	D	Open Brush, Fair	83	67	96	110.36	106.82	101.61	46.64	28.49	11.97		1.00	0.20	48.52	80.87	97.05	
	0.22		S13	A	Open Brush, Good	41	24	61	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13	
	0.06		S13	B	Open Brush, Good	63	43	81	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04	
	51.44		S13	C	Open Brush, Good	75	57	91	28.16	26.78	24.80	7.92	3.43	0.45		1.00	0.25	15.43	25.72	30.86	
	0.09		S13	D	Open Brush, Good	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06	
	5.18		S13	A	Public Park	32	17	52	0.84	0.80	0.76	0.73	0.71	0.68		0.85	0.40	1.32	2.20	2.64	
	2.52		S13	B	Public Park	56	36	76	0.93	0.87	0.79	0.66	0.47	0.34		0.85	0.30	0.64	1.07	1.28	
	0.28		S13	D	Public Park	75	57	91	0.17	0.16	0.15	0.14	0.11	0.08		0.85	0.20	0.07	0.12	0.14	
	24.00		S13	A	Residential 1 acre lots	32	17	52	5.04	4.84	4.64	4.52	4.40	4.22		0.80	0.40	5.76	9.60	11.52	
	3.86		S13	B	Residential 1 acre lots	56	36	76	1.56	1.48	1.35	1.17	0.89	0.70		0.80	0.30	0.93	1.54	1.85	
	9.01		S13	C	Residential 1 acre lots	69	50	86	4.99	4.78	4.48	3.97	3.10	2.25		0.80	0.25	2.16	3.60	4.32	
	36.94		S13	A	Woodland, Grass, Fair	44	26	64	4.56	3.76	2.74	0.00	0.00	0.00		1.00	0.40	11.08	18.47	22.17	
	12.05		S13	B	Woodland, Grass, Fair	65	45	83	4.73	4.38	3.89	0.52	0.04	0.00		1.00	0.30	3.61	6.02	7.23	
	24.51		S13	C	Woodland, Grass, Fair	77	59	92	14.22	13.59	12.67	4.47	2.15	0.45		1.00	0.25	7.35	12.25	14.70	
	7.65		S13	D	Woodland, Grass, Fair	82	66	95	5.09	4.91	4.66	2.05	1.21	0.47		1.00	0.20	2.29	3.82	4.59	
	21.26		S14	A	Chaparral, Broadleaf, Fair	40	23	60	1.78	1.39	0.91	0.00	0.00	0.00		1.00	0.40	6.38	10.63	12.75	
	367.70		S14	C	Chaparral, Broadleaf, Fair	75	57	91	201.32	191.45	177.24	56.59	24.51	3.25		1.00	0.25	110.31	183.85	220.62	
	287.86		S14	D	Chaparral, Broadleaf, Fair	81	64	95	186.46	179.72	169.86	71.35	40.59	14.30		1.00	0.20	86.36	143.93	172.72	
	14.04		S14	A	Chaparral, Narrowleaf, Fair	55	35	75	3.56	3.17	2.65	0.01	0.00	0.00		1.00	0.40	4.21	7.02	8.43	
	0.02		S14	B	Chaparral, Narrowleaf, Fair	72	53	89	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01	
	174.85		S14	C	Chaparral, Narrowleaf, Fair	81	64	95	113.26	109.17	103.17	43.34	24.65	8.68		1.00	0.25	52.46	87.43	104.91	
	279.25		S14	D	Chaparral, Narrowleaf, Fair	86	72	97	205.33	199.96	192.00	99.84	66.92	34.33		1.00	0.20	83.78	139.63	167.55	
	4.00		S14	C	Grass, Annual or Perennial, Fair	79	62	93	2.45	2.36	2.21	0.85	0.45	0.13		1.00	0.25	1.20	2.00	2.40	
	0.07		S14	D	Grass, Annual or Perennial, Fair	84	69	96	0.05	0.05	0.05	0.02	0.01	0.01		1.00	0.20	0.02	0.04	0.04	
	23.29		S14	A	Open Brush, Fair	46	28	66	3.38	2.84	2.14	0.00	0.00	0.00		1.00					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100								
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII						All								
	2.48		S14	B	Public Park	56	36	76	0.92	0.86	0.78	0.65	0.46	0.34		0.85	0.30	0.63	1.05	1.26			
	0.73		S14	D	Public Park	75	57	91	0.44	0.43	0.40	0.36	0.28	0.20		0.85	0.20	0.19	0.31	0.37			
	50.10		S14	A	Woodland, Grass, Fair	44	26	64	6.18	5.09	3.71	0.00	0.00	0.00		1.00	0.40	15.03	25.05	30.06			
	0.85		S14	B	Woodland, Grass, Fair	65	45	83	0.33	0.31	0.27	0.04	0.00	0.00		1.00	0.30	0.25	0.42	0.51			
	13.64		S14	C	Woodland, Grass, Fair	77	59	92	7.92	7.56	7.05	2.49	1.20	0.25		1.00	0.25	4.09	6.82	8.18			
	12.11		S14	D	Woodland, Grass, Fair	82	66	95	8.05	7.78	7.38	3.24	1.91	0.74		1.00	0.20	3.63	6.06	7.27			
	35.60		S15	A	Chaparral, Broadleaf, Fair	40	23	60	2.98	2.32	1.53	0.00	0.00	0.00		1.00	0.40	10.68	17.80	21.36			
	20.35		S15	B	Chaparral, Broadleaf, Fair	63	43	81	7.39	6.80	5.98	0.63	0.01	0.00		1.00	0.30	6.10	10.17	12.21			
	209.04		S15	C	Chaparral, Broadleaf, Fair	75	57	91	114.45	108.84	100.76	32.17	13.94	1.85		1.00	0.25	62.71	104.52	125.42			
	53.93		S15	D	Chaparral, Broadleaf, Fair	81	64	95	34.93	33.67	31.82	13.37	7.60	2.68		1.00	0.20	16.18	26.96	32.36			
	0.29		S15	A	Chaparral, Narrowleaf, Fair	55	35	75	0.07	0.06	0.05	0.00	0.00	0.00		1.00	0.40	0.09	0.14	0.17			
	1.07		S15	B	Chaparral, Narrowleaf, Fair	72	53	89	0.53	0.50	0.46	0.12	0.04	0.00		1.00	0.30	0.32	0.54	0.64			
	52.44		S15	C	Chaparral, Narrowleaf, Fair	81	64	95	33.97	32.74	30.94	13.00	7.39	2.60		1.00	0.25	15.73	26.22	31.46			
	102.66		S15	D	Chaparral, Narrowleaf, Fair	86	72	97	75.48	73.51	70.58	36.71	24.60	12.62		1.00	0.20	30.80	51.33	61.60			
	3.28		S15	A	Commercial, Industrial	32	17	52	2.84	2.83	2.81	2.78	2.71	2.60		0.10	0.40	0.10	0.16	0.20			
	11.67		S15	C	Commercial, Industrial	69	50	86	10.61	10.54	10.44	10.25	9.87	9.35		0.10	0.25	0.35	0.58	0.70			
	12.74		S15	D	Commercial, Industrial	75	57	91	11.71	11.63	11.52	11.32	10.89	10.31		0.10	0.20	0.38	0.64	0.76			
	2.49		S15	A	Grass, Annual or Perennial, Fair	50	31	70	0.48	0.41	0.33	0.00	0.00	0.00		1.00	0.40	0.75	1.25	1.49			
	5.03		S15	B	Grass, Annual or Perennial, Fair	69	50	86	2.28	2.13	1.93	0.41	0.10	0.00		1.00	0.30	1.51	2.52	3.02			
	30.99		S15	C	Grass, Annual or Perennial, Fair	79	62	93	19.02	18.25	17.14	6.59	3.47	0.98		1.00	0.25	9.30	15.50	18.59			
	91.48		S15	D	Grass, Annual or Perennial, Fair	84	69	96	64.02	62.09	59.25	28.32	17.86	8.06		1.00	0.20	27.44	45.74	54.89			
	174.55		S15	A	Open Brush, Fair	46	28	66	25.29	21.26	16.07	0.00	0.00	0.00		1.00	0.40	52.37	87.28	104.73			
	23.72		S15	B	Open Brush, Fair	66	46	84	9.66	8.97	8.00	1.23	0.15	0.00		1.00	0.30	7.11	11.86	14.23			
	742.96		S15	C	Open Brush, Fair	77	59	92	431.16	411.94	384.10	135.45	65.30	13.70		1.00	0.25	222.89	371.48	445.77			
	293.38		S15	D	Open Brush, Fair	83	67	96	200.17	193.76	184.31	84.60	51.67	21.70		1.00	0.20	88.01	146.69	176.03			
	4.49		S15	A	Residential 5-7 dwellings/acre	32	17	52	2.21	2.18	2.15	2.11	2.06	1.98		0.50	0.40	0.67	1.12	1.35			
	1.27		S15	C	Residential 5-7 dwellings/acre	69	50	86	0.89	0.87	0.84	0.80	0.71	0.62		0.50	0.25	0.19	0.32	0.38			
	0.11		S15	D	Residential 5-7 dwellings/acre	75	57	91	0.09	0.08	0.08	0.08	0.07	0.06		0.50	0.20	0.02	0.03	0.03			
	285.97		S15	A	Woodland, Grass, Fair	44	26	64	35.27	29.07	21.20	0.00	0.00	0.00		1.00	0.40	85.79	142.99	171.58			
	28.71		S15	B	Woodland, Grass, Fair	65	45	83	11.27	10.43	9.26	1.25	0.10	0.00		1.00	0.30	8.61	14.36	17.23			
	33.62		S15	C	Woodland, Grass, Fair	77	59	92	19.51	18.64	17.38	6.13	2.95	0.62		1.00	0.25	10.09	16.81	20.17			
	89.19		S15	D	Woodland, Grass, Fair	82	66	95	59.31	57.29	54.32	23.88	14.10	5.46		1.00	0.20	26.76	44.60	53.52			
	21.74		S16	D	Barren	93	83	99	18.78	18.54	18.18	12.59	10.17	7.27		1.00	0.20	6.52	10.87	13.04			
	10.52		S16	A	Chaparral, Broadleaf, Fair	40	23	60	0.88	0.69	0.45	0.00	0.00	0.00		1.00	0.40	3.16	5.26	6.31			
	914.67		S16	C	Chaparral, Broadleaf, Fair	75	57	91	500.80	476.24	440.90	140.78	60.98	8.07		1.00	0.25	274.40	457.34	548.80			
	860.30		S16	D	Chaparral, Broadleaf, Fair	81	64	95	557.24	537.11	507.63	213.24	121.30	42.72		1.00	0.20	258.09	430.15	516.18			
	3.59		S16	A	Chaparral, Narrowleaf, Fair	55	35	75	0.91	0.81	0.68	0.00	0.00	0.00		1.00	0.40	1.08	1.79	2.15			
	147.16		S16	C	Chaparral, Narrowleaf, Fair	81	64	95	95.32	91.88	86.84	36.48	20.75	7.31		1.00	0.25	44.15	73.58	88.30			
	541.02		S16	D	Chaparral, Narrowleaf, Fair	86	72	97	397.79	387.40	371.97	193.44	129.65	66.51		1.00	0.20	162.31	270.51	324.61			
	1.56		S16	A	Open Brush, Fair	46	28	66	0.23	0.19	0.14	0.00	0.00	0.00		1.00	0.40	0.47	0.78	0.94			
	21.05		S16	C	Open Brush, Fair	77	59	92	12.22	11.67	10.89	3.84	1.85	0.39		1.00	0.25	6.32	10.53	12.63			
	492.25		S16	D	Open Brush, Fair	83	67	96	335.86	325.10	309.24	141.94	86.70	36.42		1.00	0.20	147.68	246.13	295.35			
	112.03		S16	C	Residential 2.5 acre lots	69	50	86	56.40	53.46	49.31	42.39	30.53	19.17		0.90	0.25	30.25	50.41	60.50			
	3.80		S16	A	Woodland, Grass, Fair	44	26	64	0.47	0.39	0.28	0.00	0.00	0.00		1.00	0.40	1.14	1.90	2.28			
	63.48		S16	C	Woodland, Grass, Fair	77	59	92	36.84	35.19	32.82	11.57	5.58	1.17		1.00	0.25	19.04	31.74	38.09			
	10.66		S16	D	Woodland, Grass, Fair	82	66	95	7.09	6.85	6.49	2.85	1.69	0.65		1.00	0.20	3.20	5.33	6.40			
	0.53		S17	A	Barren	78	61	93	0.32	0.30	0.28	0.10	0.05	0.01		1.00	0.40	0.16	0.26	0.32			
	21.11		S17	C	Barren	91	80	98	17.44	17.16	16.72	10.67	8.19	5.39		1.00	0.25	6.33	10.55	12.66			
	20.15		S17	D	Barren	93	83	99	17.41	17.18	16.84	11.67	9.43	6.74		1.00	0.20	6.04	10.07	12.09			
	72.38		S17	A	Chaparral, Broadleaf, Fair	40	23	60	6.06	4.73	3.11	0.00	0.00	0.00		1.00	0.40	21.71	36.19	43.43			
	209.48		S17	C	Chaparral, Broadleaf, Fair	75	57	91	114.69	109.07	100.98	32.24	13.97	1.85		1.00	0.25	62.84	104.74	125.69			
	13.50		S17	D	Chaparral, Broadleaf, Fair	81	64	95	8.75	8.43	7.97	3.35	1.90	0.67		1.00	0.20	4.05	6.75	8.10			
	9.54		S17	A	Chaparral, Narrowleaf, Fair	55	35	75	2.42	2.15	1.80	0.01	0.00	0.00		1.00	0.40	2.86	4.77	5.72			
	1.42		S17	B	Chaparral, Narrowleaf, Fair	72	53	89	0.71	0.67	0.61	0.16	0.06	0.00		1.00	0.30	0.43	0.71	0.85			
	11.72		S17	C	Chaparral, Narrowleaf, Fair	81	64	95	7.59	7.32	6.92	2.91	1.65	0.58		1.00	0.25	3.52	5.86	7.03			
	1.51		S17	D	Chaparral, Narrowleaf, Fair	86	72	97	1.11	1.08	1.04	0.54	0.36	0.19		1.00	0.20	0.45	0.76	0.91			
	0.07		S17	A	Commercial, Industrial	32	17	52	0.06	0.06	0.06	0.06	0.06	0.05		0.10	0.40	0.00	0.00	0.00			
	7.31		S17	C	Commercial, Industrial	69	50	86	6.65	6.60	6.54	6.42	6.18	5.86		0.10	0.25	0.22	0.37	0.44			
	6.95		S17	D	Commercial, Industrial	75	57	91	6.39	6.35	6.29	6.18	5.95	5.63		0.10	0.20	0.21	0.35	0.42			
	0.08		S17	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.05			
	0.41		S17	B	Grass, Annual or Perennial, Fair	69	50	86	0.18	0.17	0.16	0.03	0.01	0.00		1.00	0.30	0.12	0.20	0.24			
	0.48		S17	C	Grass, Annual or Perennial, Fair	79	62	93	0.30	0.28	0.27	0.10	0.05	0.02		1.00	0.25	0.14	0.24	0.29			
	29.46		S17	D	Grass, Annual or Perennial, Fair	84	69	96	20.62	20.00	19.08	9.12	5.75	2.59		1.00	0.20	8.84	14.73	17.68			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						P ₂₄ (Inches)								AMC 1/AMCII	5.63								
						AMC																	
II	I	III								5.63	EV	HC											
											> 5	5	2	All									

	0.33		S17	D	Woodland, Grass, Fair	82	66	95	0.22	0.21	0.20	0.09	0.05	0.02		1.00	0.20	0.10	0.17	0.20	
	6.56		S18	C	Chaparral, Broadleaf, Fair	75	57	91	3.59	3.41	3.16	1.01	0.44	0.06		1.00	0.25	1.97	3.28	3.93	
	0.00		S18	A	Chaparral, Narrowleaf, Fair	55	35	75	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00	
	2.82		S18	B	Chaparral, Narrowleaf, Fair	72	53	89	1.41	1.33	1.22	0.32	0.11	0.00		1.00	0.30	0.85	1.41	1.69	
	0.87		S18	C	Chaparral, Narrowleaf, Fair	81	64	95	0.57	0.55	0.52	0.22	0.12	0.04		1.00	0.25	0.26	0.44	0.52	
	19.41		S18	D	Chaparral, Narrowleaf, Fair	86	72	97	14.27	13.90	13.35	6.94	4.65	2.39		1.00	0.20	5.82	9.71	11.65	
	20.11		S18	A	Grass, Annual or Perennial, Fair	50	31	70	3.84	3.33	2.65	0.00	0.00	0.00		1.00	0.40	6.03	10.06	12.07	
	5.15		S18	B	Grass, Annual or Perennial, Fair	69	50	86	2.33	2.18	1.97	0.42	0.10	0.00		1.00	0.30	1.54	2.57	3.09	
	10.11		S18	C	Grass, Annual or Perennial, Fair	79	62	93	6.20	5.95	5.59	2.15	1.13	0.32		1.00	0.25	3.03	5.05	6.06	
	109.43		S18	D	Grass, Annual or Perennial, Fair	84	69	96	76.58	74.28	70.88	33.88	21.36	9.64		1.00	0.20	32.83	54.71	65.66	
	117.51		S18	A	Open Brush, Fair	46	28	66	17.03	14.31	10.82	0.00	0.00	0.00		1.00	0.40	35.25	58.75	70.50	
	59.26		S18	B	Open Brush, Fair	66	46	84	24.13	22.41	19.99	3.08	0.37	0.00		1.00	0.30	17.78	29.63	35.56	
	411.61		S18	C	Open Brush, Fair	77	59	92	238.87	228.22	212.80	75.04	36.18	7.59		1.00	0.25	123.48	205.81	246.97	
	146.66		S18	D	Open Brush, Fair	83	67	96	100.07	96.86	92.14	42.29	25.83	10.85		1.00	0.20	44.00	73.33	88.00	
	0.76		S18	A	Residential 5-7 dwellings/acre	32	17	52	0.37	0.37	0.36	0.36	0.35	0.33		0.50	0.40	0.11	0.19	0.23	
	48.45		S18	A	Woodland, Grass, Fair	44	26	64	5.98	4.92	3.59	0.00	0.00	0.00		1.00	0.40	14.54	24.23	29.07	
	14.00		S18	B	Woodland, Grass, Fair	65	45	83	5.49	5.08	4.51	0.61	0.05	0.00		1.00	0.30	4.20	7.00	8.40	
	17.16		S18	C	Woodland, Grass, Fair	77	59	92	9.96	9.51	8.87	3.13	1.51	0.32		1.00	0.25	5.15	8.58	10.29	
	37.74		S18	D	Woodland, Grass, Fair	82	66	95	25.09	24.24	22.98	10.10	5.96	2.31		1.00	0.20	11.32	18.87	22.64	
11927	4.4		s19	A	Residential 5-7 dwellings/acre	32	17	52	2.16	2.13	2.10	2.07	2.02	1.94		0.50	0.40	0.66	1.10	1.32	
11927	23.2		s19	A	Grass, Annual or Perennial, Fair	50	31	70	4.43	3.84	3.06	0.00	0.00	0.00		1.00	0.40	6.96	11.60	13.92	
11927	47.6		s19	A	Chaparral, Broadleaf, Fair	40	23	60	3.98	3.11	2.04	0.00	0.00	0.00		1.00	0.40	14.28	23.80	28.56	
11927	47.9		s19	A	Woodland, Grass, Fair	44	26	64	5.91	4.87	3.55	0.00	0.00	0.00		1.00	0.40	14.37	23.95	28.74	
11927	170.2		s19	A	Open Brush, Fair	46	28	66	24.66	20.73	15.67	0.00	0.00	0.00		1.00	0.40	51.06	85.10	102.12	
11927	4.2		s19	B	Grass, Annual or Perennial, Fair	69	50	86	1.90	1.78	1.61	0.34	0.08	0.00		1.00	0.30	1.26	2.10	2.52	
11927	6.7		s19	B	Chaparral, Broadleaf, Fair	63	43	81	2.43	2.24	1.97	0.21	0.00	0.00		1.00	0.30	2.01	3.35	4.02	
11927	13.9		s19	B	Open Brush, Fair	66	46	84	5.66	5.26	4.69	0.72	0.09	0.00		1.00	0.30	4.17	6.95	8.34	
11927	15.8		s19	B	Woodland, Grass, Fair	65	45	83	6.20	5.74	5.10	0.69	0.05	0.00		1.00	0.30	4.74	7.90	9.48	
11927	0.5		s19	C	Barren	91	80	98	0.41	0.41	0.40	0.25	0.19	0.13		1.00	0.25	0.15	0.25	0.30	
11927	53.3		s19	C	Chaparral, Narrowleaf, Fair	81	64	95	34.52	33.28	31.45	13.21	7.52	2.65		1.00	0.25	15.99	26.65	31.98	
11927	77.7		s19	C	Residential 2.5 acre lots	69	50	86	39.12	37.08	34.20	29.40	21.17	13.30		0.90	0.25	20.98	34.97	41.96	
11927	87.9		s19	C	Grass, Annual or Perennial, Fair	79	62	93	53.95	51.77	48.61	18.70	9.83	2.77		1.00	0.25	26.37	43.95	52.74	
11927	174.3		s19	C	Woodland, Grass, Fair	77	59	92	101.15	96.64	90.11	31.78	15.32	3.21		1.00	0.25	52.29	87.15	104.58	
11927	636.1		s19	C	Chaparral, Broadleaf, Fair	75	57	91	348.28	331.20	306.62	97.90	42.41	5.61		1.00	0.25	190.83	318.05	381.66	
11927	1061.1		s19	C	Open Brush, Fair	77	59	92	615.79	588.33	548.58	193.45	93.26	19.56		1.00	0.25	318.33	530.55	636.66	
11927	0.1		s19	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.06	
11927	10		s19	D	Woodland, Grass, Fair	82	66	95	6.65	6.42	6.09	2.68	1.58	0.61		1.00	0.20	3.00	5.00	6.00	
11927	68.8		s19	D	Grass, Annual or Perennial, Fair	84	69	96	48.15	46.70	44.56	21.30	13.43	6.06		1.00	0.20	20.64	34.40	41.28	
11927	143.4		s19	D	Chaparral, Narrowleaf, Fair	86	72	97	105.44	102.68	98.59	51.27	34.36	17.63		1.00	0.20	43.02	71.70	86.04	
11927	295.1		s19	D	Open Brush, Fair	83	67	96	201.35	194.90	185.39	85.09	51.98	21.83		1.00	0.20	88.53	147.55	177.06	
11927	399.8		s19	D	Chaparral, Broadleaf, Fair	81	64	95	258.96	249.61	235.91	99.10	56.37	19.85		1.00	0.20	119.94	199.90	239.88	
	3.13		S20	A	Chaparral, Broadleaf, Fair	40	23	60	0.26	0.20	0.13	0.00	0.00	0.00		1.00	0.40	0.94	1.56	1.88	
	156.82		S20	C	Chaparral, Broadleaf, Fair	75	57	91	85.86	81.65	75.59	24.14	10.46	1.38		1.00	0.25	47.05	78.41	94.09	
	368.60		S20	D	Chaparral, Broadleaf, Fair	81	64	95	238.75	230.13	217.50	91.36	51.97	18.30		1.00	0.20	110.58	184.30	221.16	
	0.22		S20	A	Chaparral, Narrowleaf, Fair	55	35	75	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13	
	92.39		S20	C	Chaparral, Narrowleaf, Fair	81	64	95	59.84	57.68	54.51	22.90	13.03	4.59		1.00	0.25	27.72	46.19	55.43	
	852.18		S20	D	Chaparral, Narrowleaf, Fair	86	72	97	626.58	610.22	585.90	304.69	204.21	104.76		1.00	0.20	255.65	426.09	511.31	
	0.66		S20	A	Open Brush, Fair	46	28	66	0.10	0.08	0.06	0.00	0.00	0.00		1.00	0.40	0.20	0.33	0.40	
	17.20		S20	C	Open Brush, Fair	77	59	92	9.98	9.54	8.89	3.14	1.51	0.32		1.00	0.25	5.16	8.60	10.32	
	269.04		S20	D	Open Brush, Fair	83	67	96	183.57	177.69	169.02	77.58	47.39	19.90		1.00	0.20	80.71	134.52	161.43	
	10.84		S20	C	Woodland, Fair	73	55	89	5.59	5.29	4.86	1.38	0.52	0.03		1.00	0.25	3.25	5.42	6.50	
	23.85		S20	D	Woodland, Fair	79	62	93	14.64	14.05	13.19	5.07	2.67	0.75		1.00	0.20	7.16	11.93	14.31	
	9.34		S20	A	Woodland, Grass, Fair	44	26	64	1.15	0.95	0.69	0.00	0.00	0.00		1.00	0.40	2.80	4.67	5.61	
	25.73		S20	C	Woodland, Grass, Fair	77	59	92	14.93	14.27	13.30	4.69	2.26	0.47		1.00	0.25	7.72	12.87	15.44	
	83.67		S20	D	Woodland, Grass, Fair	82	66	95	55.64	53.74	50.96	22.40	13.23	5.12		1.00	0.20	25.10	41.83	50.20	
	4.21		S21	A	Chaparral, Broadleaf, Fair	40	23	60	0.35	0.27	0.18	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52	
	127.31		S21	C	Chaparral, Broadleaf, Fair	75	57	91	69.71	66.29	61.37	19.60	8.49	1.12		1.00	0.25	38.19	63.66	76.39	
	434.86		S21	D	Chaparral, Broadleaf, Fair	81	64	95	281.67	271.50	256.60	107.79	61.31	21.59		1.00	0.20	130.46	217.43	260.92	
	3.55		S21	A	Chaparral, Narrowleaf, Fair	55	35	75	0.90	0.80	0.67	0.00	0.00	0.00		1.00	0.40	1.07	1.78	2.13	
	15.70		S21	C	Chaparral, Narrowleaf, Fair	81	64	95	10.17	9.80	9.26	3.89	2.21	0.78		1.00	0.25	4.71	7.85	9.42	
	517.19		S21	D	Chaparral, Narrowleaf, Fair	86	72	97	380.27	370.35	355.59	184.92	123.94	63.58		1.00	0.20	155.16	258.60	310.32	
	14.84		S21	A	Open Brush, Fair	46	28	66	2.15	1.81	1.37	0.00	0.00	0.00		1.00	0.40	4.45	7.42	8.91	
	3.40		S21	C	Open Brush, Fair	77	59	92	19.38	18.52	17.27	6.09	2.94	0.62		1.00	0.25	10.02	16.70	20.04	
	459.16		S21	D	Open Brush, Fair	83	67	96	313.28	303.24	288.45	132.40	80.87	33.97		1.00	0.20	137.75	229.58	275.49	
	5.29		S21	A	Woodland, Fair	36	20	56	0.26	0.19	0.10	0.00	0.00	0.00		1.00	0.40	1.59	2.65	3.18	
	44.52		S21	D	Woodland, Fair	79	62	93	27.32	26.22	24.62	9.47	4.98	1.40		1.00	0.20	13.36	22.26	26.71	
	36.64		S21	A	Woodland, Grass,																

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100										
						AMC			P ₂₄ (Inches)										Storm Event (Year)						
						II	I	III																	
	2.82		S22	B	Chaparral, Broadleaf, Fair	63	43	81	1.02	0.94	0.83	0.09	0.00	0.00			1.00	0.30	0.84	1.41	1.69				
	393.29		S22	C	Chaparral, Broadleaf, Fair	75	57	91	215.33	204.77	189.58	60.53	26.22	3.47			1.00	0.25	117.99	196.64	235.97				
	179.87		S22	D	Chaparral, Broadleaf, Fair	81	64	95	116.51	112.30	106.14	44.59	25.36	8.93			1.00	0.20	53.96	89.94	107.92				
	0.08		S22	A	Chaparral, Narrowleaf, Fair	55	35	75	0.02	0.02	0.01	0.00	0.00	0.00			1.00	0.40	0.02	0.04	0.05				
	121.85		S22	C	Chaparral, Narrowleaf, Fair	81	64	95	78.93	76.08	71.90	30.20	17.18	6.05			1.00	0.25	36.56	60.93	73.11				
	144.00		S22	D	Chaparral, Narrowleaf, Fair	86	72	97	105.88	103.11	99.00	51.49	34.51	17.70			1.00	0.20	43.20	72.00	86.40				
	2.33		S22	B	Commercial, Industrial	56	36	76	2.08	2.06	2.04	2.01	1.94	1.85			0.10	0.30	0.07	0.12	0.14				
	2.24		S22	C	Commercial, Industrial	69	50	86	2.04	2.03	2.01	1.97	1.90	1.80			0.10	0.25	0.07	0.11	0.13				
	2.22		S22	D	Commercial, Industrial	75	57	91	2.04	2.03	2.01	1.97	1.90	1.80			0.10	0.20	0.07	0.11	0.13				
	4.94		S22	A	Grass, Annual or Perennial, Fair	50	31	70	0.94	0.82	0.65	0.00	0.00	0.00			1.00	0.40	1.48	2.47	2.97				
	15.92		S22	B	Grass, Annual or Perennial, Fair	69	50	86	7.21	6.75	6.10	1.29	0.31	0.00			1.00	0.30	4.78	7.96	9.55				
	56.74		S22	C	Grass, Annual or Perennial, Fair	79	62	93	34.83	33.42	31.38	12.07	6.35	1.79			1.00	0.25	17.02	28.37	34.05				
	301.98		S22	D	Grass, Annual or Perennial, Fair	84	69	96	211.33	204.98	195.60	93.50	58.95	26.60			1.00	0.20	90.59	150.99	181.19				
	42.78		S22	A	Open Brush, Fair	46	28	66	6.20	5.21	3.94	0.00	0.00	0.00			1.00	0.40	12.84	21.39	25.67				
	14.27		S22	B	Open Brush, Fair	66	46	84	5.81	5.40	4.81	0.74	0.09	0.00			1.00	0.30	4.28	7.13	8.56				
	483.19		S22	C	Open Brush, Fair	77	59	92	280.41	267.91	249.80	88.09	42.47	8.91			1.00	0.25	144.96	241.59	289.91				
	756.78		S22	D	Open Brush, Fair	83	67	96	516.36	499.81	475.43	218.22	133.30	55.99			1.00	0.20	227.03	378.39	454.07				
	4.36		S22	B	Public Park	56	36	76	1.62	1.51	1.37	1.14	0.82	0.60			0.85	0.30	1.11	1.85	2.22				
	55.87		S22	C	Public Park	69	50	86	29.55	28.15	26.18	22.89	17.23	11.76			0.85	0.25	14.25	23.75	28.50				
	83.63		S22	D	Public Park	75	57	91	50.97	49.02	46.20	41.37	32.56	23.17			0.85	0.20	21.33	35.54	42.65				
	1.75		S22	C	Residential 2 dwellings/acre	69	50	86	1.06	1.02	0.97	0.88	0.73	0.57			0.70	0.25	0.37	0.61	0.73				
	1.81		S22	D	Residential 2 dwellings/acre	75	57	91	1.21	1.18	1.13	1.04	0.87	0.69			0.70	0.20	0.38	0.63	0.76				
	34.00		S22	B	Residential 3-4 dwellings/acre	56	36	76	18.50	17.88	17.04	15.71	13.67	12.09			0.60	0.30	6.12	10.20	12.24				
	9.18		S22	C	Residential 3-4 dwellings/acre	69	50	86	6.02	5.85	5.60	5.19	4.47	3.74			0.60	0.25	1.65	2.75	3.30				
	87.11		S22	D	Residential 3-4 dwellings/acre	75	57	91	62.08	60.55	58.35	54.53	47.44	39.58			0.60	0.20	15.68	26.13	31.36				
	35.58		S22	B	Residential 5-7 dwellings/acre	56	36	76	21.83	21.27	20.50	19.28	17.36	15.76			0.50	0.30	5.34	8.90	10.67				
	115.58		S22	C	Residential 5-7 dwellings/acre	69	50	86	81.65	79.79	77.14	72.64	64.61	56.19			0.50	0.25	17.34	28.89	34.67				
	173.99		S22	D	Residential 5-7 dwellings/acre	75	57	91	131.18	128.54	124.71	118.05	105.56	91.40			0.50	0.20	26.10	43.50	52.20				
	18.54		S22	B	Turf, Good	58	38	77	5.44	4.91	4.19	3.07	1.39	0.23			1.00	0.30	5.56	9.27	11.12				
	96.29		S22	C	Turf, Good	72	53	89	48.09	45.39	41.55	35.06	23.68	12.33			1.00	0.25	28.89	48.14	57.77				
	50.29		S22	D	Turf, Good	79	62	93	30.87	29.62	27.81	24.65	18.70	12.05			1.00	0.20	15.09	25.15	30.18				
	0.24		S22	D	Turf, Good	79	62	93	0.15	0.14	0.13	0.12	0.09	0.06			1.00	0.20	0.07	0.12	0.14				
	6.37		S22	B	Water	98	95	100	6.12	6.09	6.06	5.99	5.84	5.60			0.00	0.30	0.00	0.00	0.00				
	13.17		S22	C	Water	98	95	100	12.65	12.61	12.53	12.40	12.08	11.59			0.00	0.25	0.00	0.00	0.00				
	4.04		S22	D	Water	98	95	100	3.88	3.87	3.85	3.81	3.71	3.56			0.00	0.20	0.00	0.00	0.00				
	111.58		S22	A	Woodland, Grass, Fair	44	26	64	13.76	11.34	8.27	0.00	0.00	0.00			1.00	0.40	33.47	55.79	66.95				
	10.81		S22	B	Woodland, Grass, Fair	65	45	83	4.24	3.93	3.49	0.47	0.04	0.00			1.00	0.30	3.24	5.40	6.48				
	116.11		S22	C	Woodland, Grass, Fair	77	59	92	67.38	64.38	60.03	21.17	10.20	2.14			1.00	0.25	34.83	58.05	69.66				
	182.56		S22	D	Woodland, Grass, Fair	82	66	95	121.39	117.26	111.18	48.88	28.86	11.17			1.00	0.20	54.77	91.28	109.54				
	9.49		S23	A	Chaparral, Broadleaf, Fair	40	23	60	0.79	0.62	0.41	0.00	0.00	0.00			1.00	0.40	2.85	4.75	5.69				
	40.94		S23	C	Chaparral, Broadleaf, Fair	75	57	91	22.42	21.32	19.73	6.30	2.73	0.36			1.00	0.25	12.28	20.47	24.56				
	3.64		S23	D	Chaparral, Broadleaf, Fair	81	64	95	2.36	2.27	2.15	0.90	0.51	0.18			1.00	0.20	1.09	1.82	2.18				
	4.78		S23	A	Grass, Annual or Perennial, Fair	50	31	70	0.91	0.79	0.63	0.00	0.00	0.00			1.00	0.40	1.43	2.39	2.87				
	3.71		S23	B	Grass, Annual or Perennial, Fair	69	50	86	1.68	1.57	1.42	0.30	0.07	0.00			1.00	0.30	1.11	1.85	2.22				
	67.78		S23	C	Grass, Annual or Perennial, Fair	79	62	93	41.60	39.92	37.48	14.42	7.58	2.14			1.00	0.25	20.33	33.89	40.67				
	228.76		S23	D	Grass, Annual or Perennial, Fair	84	69	96	160.09	155.28	148.17	70.83	44.66	20.15			1.00	0.20	68.63	114.38	137.25				
	16.32		S23	A	Open Brush, Fair	46	28	66	2.36	1.99	1.50	0.00	0.00	0.00			1.00	0.40	4.90	8.16	9.79				
	27.24		S23	B	Open Brush, Fair	66	46	84	11.10	10.30	9.19	1.42	0.17	0.00			1.00	0.30	8.17	13.62	16.35				
	492.24		S23	C	Open Brush, Fair	77	59	92	285.66	272.92	254.48	89.74	43.26	9.08			1.00	0.25	147.67	246.12	295.34				
	351.19		S23	D	Open Brush, Fair	83	67	96	239.62	231.94	220.62	101.26	61.86	25.98			1.00	0.20	105.36	175.59	210.71				
	0.08		S23	D	Public Park	75	57	91	0.05	0.04	0.04	0.04	0.03	0.02			0.85	0.20	0.02	0.03	0.04				
	1.08		S23	C	Residential 3-4 dwellings/acre	69	50	86	0.71	0.69	0.66	0.61	0.53	0.44			0.60	0.25	0.19	0.32	0.39				
	0.00		S23	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00			0.50	0.20	0.00	0.00	0.00				
	142.11		S23	A	Woodland, Grass, Fair	44	26	64	17.53	14.44	10.54	0.00	0.00	0.00			1.00	0.40	42.63	71.05	85.26				
	6.84		S23	B	Woodland, Grass, Fair	65	45	83	2.68	2.49	2.21	0.30	0.02	0.00			1.00	0.30	2.05	3.42	4.10				
	139.99		S23	C	Woodland, Grass, Fair	77	59	92	81.24	77.62	72.38	25.52	12.30	2.58			1.00	0.25	42.00	70.00	84.00				
	47.57		S23	D	Woodland, Grass, Fair	82	66	95	31.63	30.55	28.97	12.74	7.52	2.91			1.00	0.20	14.27	23.78	28.54				
	13.09		S24	A	Chaparral, Broadleaf, Fair	40	23	60	1.10	0.85	0.56	0.00	0.00	0.00			1.00	0.40	3.93	6.55	7.85				
	276.29		S24	C	Chaparral, Broadleaf, Fair	75	57	91	151.27	143.85	133.18	42.52													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100										
						AMC			P ₂₄ (Inches)											5.63				
						II	I	III	AMC 1/AMCII															
	491.04		S24	D	Open Brush, Fair	83	67	96	335.04	324.30	308.48	141.59	86.49	36.33		1.00	0.20	147.31	245.52	294.62				
	103.80		S24	A	Woodland, Grass, Fair	44	26	64	12.80	10.55	7.70	0.00	0.00	0.00		1.00	0.40	31.14	51.90	62.28				
	3.00		S24	B	Woodland, Grass, Fair	65	45	83	1.18	1.09	0.97	0.13	0.01	0.00		1.00	0.30	0.90	1.50	1.80				
	103.45		S24	C	Woodland, Grass, Fair	77	59	92	60.04	57.36	53.48	18.86	9.09	1.91		1.00	0.25	31.04	51.73	62.07				
	80.24		S24	D	Woodland, Grass, Fair	82	66	95	53.36	51.54	48.87	21.49	12.68	4.91		1.00	0.20	24.07	40.12	48.14				
	0.38		S25	A	Chaparral, Broadleaf, Fair	40	23	60	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.11	0.19	0.23				
	10.79		S25	B	Chaparral, Broadleaf, Fair	63	43	81	3.92	3.60	3.17	0.33	0.01	0.00		1.00	0.30	3.24	5.39	6.47				
	180.22		S25	C	Chaparral, Broadleaf, Fair	75	57	91	98.67	93.84	86.87	27.74	12.02	1.59		1.00	0.25	54.07	90.11	108.13				
	52.57		S25	D	Chaparral, Broadleaf, Fair	81	64	95	34.05	32.82	31.02	13.03	7.41	2.61		1.00	0.20	15.77	26.29	31.54				
	7.58		S25	B	Chaparral, Narrowleaf, Fair	72	53	89	3.79	3.57	3.27	0.87	0.30	0.01		1.00	0.30	2.27	3.79	4.55				
	94.15		S25	C	Chaparral, Narrowleaf, Fair	81	64	95	60.99	58.78	55.56	23.34	13.28	4.68		1.00	0.25	28.25	47.08	56.49				
	99.70		S25	D	Chaparral, Narrowleaf, Fair	86	72	97	73.31	71.39	68.55	35.65	23.89	12.26		1.00	0.20	29.91	49.85	59.82				
	5.79		S25	A	Grass, Annual or Perennial, Fair	50	31	70	1.11	0.96	0.76	0.00	0.00	0.00		1.00	0.40	1.74	2.90	3.48				
	16.90		S25	B	Grass, Annual or Perennial, Fair	69	50	86	7.65	7.17	6.48	1.37	0.33	0.00		1.00	0.30	5.07	8.45	10.14				
	11.07		S25	C	Grass, Annual or Perennial, Fair	79	62	93	6.79	6.52	6.12	2.35	1.24	0.35		1.00	0.25	3.32	5.53	6.64				
	114.48		S25	D	Grass, Annual or Perennial, Fair	84	69	96	80.11	77.71	74.15	35.44	22.35	10.08		1.00	0.20	34.34	57.24	68.69				
	94.58		S25	A	Open Brush, Fair	46	28	66	13.70	11.52	8.71	0.00	0.00	0.00		1.00	0.40	28.38	47.29	56.75				
	159.36		S25	B	Open Brush, Fair	66	46	84	64.90	60.26	53.77	8.28	1.00	0.00		1.00	0.30	47.81	79.68	95.61				
	612.94		S25	C	Open Brush, Fair	77	59	92	355.71	339.85	316.89	111.75	53.87	11.30		1.00	0.25	183.88	306.47	367.77				
	479.25		S25	D	Open Brush, Fair	83	67	96	327.00	316.52	301.08	138.19	84.41	35.46		1.00	0.20	143.78	239.63	287.55				
	33.85		S25	A	Public Park	32	17	52	5.52	5.23	4.94	4.78	4.66	4.47		0.85	0.40	8.63	14.39	17.27				
	7.86		S25	B	Public Park	56	36	76	2.91	2.72	2.46	2.06	1.47	1.08		0.85	0.30	2.00	3.34	4.01				
	3.30		S25	C	Public Park	69	50	86	1.75	1.66	1.55	1.35	1.02	0.69		0.85	0.25	0.84	1.40	1.68				
	2.46		S25	D	Public Park	75	57	91	1.50	1.44	1.36	1.22	0.96	0.68		0.85	0.20	0.63	1.05	1.26				
	173.60		S25	A	Woodland, Grass, Fair	44	26	64	21.41	17.65	12.87	0.00	0.00	0.00		1.00	0.40	52.08	86.80	104.16				
	26.34		S25	B	Woodland, Grass, Fair	65	45	83	10.34	9.57	8.50	1.15	0.09	0.00		1.00	0.30	7.90	13.17	15.80				
	132.01		S25	C	Woodland, Grass, Fair	77	59	92	76.61	73.20	68.25	24.07	11.60	2.43		1.00	0.25	39.60	66.01	79.21				
	30.90		S25	D	Woodland, Grass, Fair	82	66	95	20.55	19.85	18.82	8.27	4.88	1.89		1.00	0.20	9.27	15.45	18.54				
	0.20	E-1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11				
	0.50	E-1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27				
	0.80	E-1	S26.1	D	Commercial	75	57	91	0.74	0.73	0.72	0.71	0.68	0.65		0.10	0.20	0.02	0.04	0.05				
	0.10	E-2	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01				
	2.10	E-2	S26.1	D	Commercial	75	57	91	1.93	1.92	1.90	1.87	1.80	1.70		0.10	0.20	0.06	0.11	0.13				
	0.70	E-2	S26.1	D	Residential 2.5 acre lots	75	57	91	0.41	0.40	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38				
	0.60	E-2.1	S26.1	B	Commercial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04				
	0.20	E-2.1	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.06	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11				
	3.00	E-2.1	S26.1	C	Commercial	69	50	86	2.73	2.71	2.68	2.64	2.54	2.40		0.10	0.25	0.09	0.15	0.18				
	0.10	E-2.1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05				
	1.70	E-2.1	S26.1	D	Commercial	75	57	91	1.56	1.55	1.54	1.51	1.45	1.38		0.10	0.20	0.05	0.09	0.10				
	0.50	E-2.1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27				
	2.00	E-3	S26.1	C	Residential 2.5 acre lots	69	50	86	1.01	0.95	0.88	0.76	0.54	0.34		0.90	0.25	0.54	0.90	1.08				
	2.20	E-3	S26.1	D	Residential 2.5 acre lots	75	57	91	1.30	1.24	1.16	1.03	0.79	0.53		0.90	0.20	0.59	0.99	1.19				
	4.20	E-3	S26.1	B	Residential 2.5 acre lots	56	36	76	1.41	1.30	1.16	0.93	0.61	0.39		0.90	0.30	1.13	1.89	2.27				
	5.30	E-3	S26.1	B	Commercial	56	36	76	4.72	4.69	4.65	4.56	4.41	4.20		0.10	0.30	0.16	0.27	0.32				
	7.10	E-3	S26.1	D	Commercial	75	57	91	6.53	6.48	6.42	6.31	6.07	5.74		0.10	0.20	0.21	0.36	0.43				
	8.60	E-3	S26.1	C	Commercial	69	50	86	7.82	7.77	7.69	7.56	7.27	6.89		0.10	0.25	0.26	0.43	0.52				
	0.60	E-4	S26.1	A	Residential 2.5 acre lots	32	17	52	0.07	0.06	0.06	0.06	0.06	0.05		0.90	0.40	0.16	0.27	0.32				
	1.30	E-4	S26.1	B	Residential 2.5 acre lots	56	36	76	0.44	0.40	0.36	0.29	0.19	0.12		0.90	0.30	0.35	0.59	0.70				
	5.60	E-4	S26.1	A	Commercial	32	17	52	4.85	4.83	4.80	4.74	4.62	4.44		0.10	0.40	0.17	0.28	0.34				
	8.30	E-4	S26.1	B	Commercial	56	36	76	7.40	7.35	7.27	7.15	6.90	6.58		0.10	0.30	0.25	0.42	0.50				
	5.60	E-5	S26.1	A	Apartments	32	17	52	4.33	4.30	4.27	4.22	4.11	3.94		0.20	0.40	0.34	0.56	0.67				
	12.30	E-5	S26.1	B	Apartments	56	36	76	10.11	10.00	9.86	9.61	9.17	8.67		0.20	0.30	0.74	1.23	1.48				
	0.50	E-5	S26.1	A	Commercial	32	17	52	0.43	0.43	0.43	0.42	0.41	0.40		0.10	0.40	0.02	0.03	0.03				
	5.40	E-5	S26.1	B	Commercial	56	36	76	4.81	4.78	4.73	4.65	4.49	4.28		0.10	0.30	0.16	0.27	0.32				
	4.70	E-5	S26.1	A	Residential 2.5 acre lots	32	17	52	0.55	0.50	0.46	0.44	0.43	0.41		0.90	0.40	1.27	2.12	2.54				
	4.20	E-5	S26.1	B	Residential 2.5 acre lots	56	36	76	1.41	1.30	1.16	0.93	0.61	0.39		0.90	0.30	1.13	1.89	2.27				
	9.90	E-5	S26.1	A	Commercial	32	17	52	8.58	8.54	8.48	8.39	8.17	7.84		0.10	0.40	0.30	0.50	0.59				
	0.10	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	0.10	OE-1	S26.1	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06				
	0.20	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.11	0.10	0.10	0.03	0.01	0.00		1.00	0.25	0.06	0.10	0.12				
	0.50	OE-1	S26.1	C	Open Brush, Fair	77	59	92	0.29	0.28	0.26	0.09	0.04	0.01		1.00	0.25	0.15	0.25	0.30				
	2.10	OE-2	S26.1	D	Open Brush, Fair	83	67	96	1.43	1.39	1.32	0.61	0.37	0.16		1.00	0.20							

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III															
									AMC 1/AMCII														
			EV				HC																
			> 5				5				2				All								

	10.40	OE-3	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.69	5.41	5.01	1.60	0.69	0.09		1.00	0.25	3.12	5.20	6.24
	0.10	OE-4	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06
	0.30	OE-4	S26.1	C	Open Brush, Fair	77	59	92	0.17	0.17	0.16	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18
	0.60	OE-4	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36
	0.10	OE-5	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.08	0.08	0.08		0.10	0.25	0.00	0.01	0.01
	0.90	OE-5	S26.1	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.25	0.20	0.13	0.08		0.90	0.30	0.24	0.41	0.49
	1.30	OE-5	S26.1	B	Commercial	56	36	76	1.16	1.15	1.14	1.12	1.08	1.03		0.10	0.30	0.04	0.07	0.08
	0.80	OE-5	S26.1	D	Open Brush, Fair	83	67	96	0.55	0.53	0.50	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.48
	2.40	OE-5	S26.1	C	Open Brush, Fair	77	59	92	1.39	1.33	1.24	0.44	0.21	0.04		1.00	0.25	0.72	1.20	1.44
	3.20	OE-5	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.07	2.00	1.89	0.79	0.45	0.16		1.00	0.20	0.96	1.60	1.92
	4.00	OE-5	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.45	1.34	1.17	0.12	0.00	0.00		1.00	0.30	1.20	2.00	2.40
	7.10	OE-5	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	3.89	3.70	3.42	1.09	0.47	0.06		1.00	0.25	2.13	3.55	4.26
	1.00	OE-6	S26.1	B	Commercial	56	36	76	0.89	0.89	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06
	0.20	OE-6	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.06	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11
	0.50	OE-6	S26.1	B	Open Brush, Fair	66	46	84	0.20	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30
	1.80	OE-6	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.99	0.94	0.87	0.28	0.12	0.02		1.00	0.25	0.54	0.90	1.08
	2.60	OE-6	S26.1	D	Open Brush, Fair	83	67	96	1.77	1.72	1.63	0.75	0.46	0.19		1.00	0.20	0.78	1.30	1.56
	3.40	OE-6	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.24	1.14	1.00	0.10	0.00	0.00		1.00	0.30	1.02	1.70	2.04
	3.60	OE-6	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.33	2.25	2.12	0.89	0.51	0.18		1.00	0.20	1.08	1.80	2.16
	0.10	OE-6	S26.1	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06
	4.60	OE-6	S26.1	C	Open Brush, Fair	77	59	92	2.67	2.55	2.38	0.84	0.40	0.08		1.00	0.25	1.38	2.30	2.76
	0.7	F-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.45	0.44	0.41	0.17	0.10	0.03		1.00	0.20	0.21	0.35	0.42
	0.5	F-1	S26.2	D	Open Brush, Fair	83	67	96	0.34	0.33	0.31	0.14	0.09	0.04		1.00	0.20	0.15	0.25	0.30
	0.2	F-2	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12
	5.5	F-2	S26.2	B	Commercial	56	36	76	4.90	4.87	4.82	4.74	4.57	4.36		0.10	0.30	0.17	0.28	0.33
	0.2	F-2	S26.2	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12
	0.1	F-2	S26.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05
	0.1	F-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06
	1.0	F-2	S26.2	C	Commercial	69	50	86	0.91	0.90	0.89	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06
	0.2	F-2	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12
	0.1	F-2	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05
	3.2	F-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.07	2.00	1.89	0.79	0.45	0.16		1.00	0.20	0.96	1.60	1.92
	3.4	F-2	S26.2	D	Commercial	75	57	91	3.12	3.11	3.08	3.02	2.91	2.75		0.10	0.20	0.10	0.17	0.20
	3.3	F-2	S26.2	D	Open Brush, Fair	83	67	96	2.25	2.18	2.07	0.95	0.58	0.24		1.00	0.20	0.99	1.65	1.98
	0.7	F-2	S26.2	D	Residential 2.5 acre lots	75	57	91	0.41	0.40	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38
	0.5	F-3	S26.2	C	Residential 2.5 acre lots	69	50	86	0.25	0.24	0.22	0.19	0.14	0.09		0.90	0.25	0.14	0.23	0.27
	2.1	F-3	S26.2	B	Residential 2.5 acre lots	56	36	76	0.71	0.65	0.58	0.47	0.30	0.20		0.90	0.30	0.57	0.95	1.13
	3.0	F-3	S26.2	D	Residential 2.5 acre lots	75	57	91	1.77	1.69	1.59	1.41	1.07	0.72		0.90	0.20	0.81	1.35	1.62
	5.9	F-3	S26.2	D	Commercial	75	57	91	5.42	5.39	5.34	5.24	5.05	4.77		0.10	0.20	0.18	0.30	0.35
	7.7	F-3	S26.2	C	Commercial	69	50	86	7.00	6.96	6.89	6.77	6.51	6.17		0.10	0.25	0.23	0.39	0.46
	13.6	F-3	S26.2	B	Commercial	56	36	76	12.12	12.04	11.92	11.71	11.31	10.78		0.10	0.30	0.41	0.68	0.82
	3.8	F-4	S26.2	B	Commercial	56	36	76	3.39	3.36	3.33	3.27	3.16	3.01		0.10	0.30	0.11	0.19	0.23
	0.6	F-4	S26.2	C	Commercial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04
	0.1	F-4	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06
	2.4	F-4	S26.2	B	Residential 2.5 acre lots	56	36	76	0.81	0.75	0.66	0.53	0.35	0.22		0.90	0.30	0.65	1.08	1.30
	2.2	F-4	S26.2	C	Residential 2.5 acre lots	69	50	86	1.11	1.05	0.97	0.83	0.60	0.38		0.90	0.25	0.59	0.99	1.19
	0.3	F-4	S26.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16
	12.3	F-5	S26.2	A	Commercial	32	17	52	10.66	10.61	10.54	10.42	10.15	9.74		0.10	0.40	0.37	0.62	0.74
	26.8	F-5	S26.2	B	Commercial	56	36	76	23.88	23.72	23.49	23.08	22.28	21.24		0.10	0.30	0.80	1.34	1.61
	2.0	F-5	S26.2	C	Commercial	69	50	86	1.82	1.81	1.79	1.76	1.69	1.60		0.10	0.25	0.06	0.10	0.12
	2.7	F-5	S26.2	A	Residential 2.5 acre lots	32	17	52	0.31	0.29	0.27	0.25	0.25	0.24		0.90	0.40	0.73	1.22	1.46
	0.8	F-5	S26.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.22	0.18	0.12	0.07		0.90	0.30	0.22	0.36	0.43
	2.1	F-5	S26.2	C	Residential 2.5 acre lots	69	50	86	1.06	1.00	0.92	0.79	0.57	0.36		0.90	0.25	0.57	0.95	1.13
	8.0	F-5	S26.2	A	Water	98	95	100	7.68	7.66	7.61	7.53	7.34	7.04		0.00	0.40	0.00	0.00	0.00
	0.1	OF-1	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06
	0.5	OF-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.30	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30
	1.0	OF-1	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.18	0.07		1.00	0.20	0.30	0.50	0.60
	0.6	OF-10	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36
	0.1	OF-11	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05
	0.4	OF-11	S26.2	C	Commercial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02
	0.3	OF-11	S26.2	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.16	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18
	4.3	OF-11	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.35	2.24	2.07	0.66	0.29	0.04		1.00	0.25	1.29	2.15	2.58
	0.1	OF-13	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06
	1.1	OF-13	S26.2	C	Open Brush, Fair	77	59	92	0.64	0.61	0.57	0.20	0.10	0.02		1.00	0.25	0.33	0.55	0.66
	0.1	OF-14	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06
	0.8	OF-14	S26.2	B	Woodland, Grass, Fair	65	45	83	0.31	0.29	0.26	0.03	0.00	0.00		1.00	0.30	0.24	0.40	0.48
	1.1	OF-14	S26.2	B	Open Brush, Fair	66	46	84	0.45	0.42	0.37	0.06	0.01	0.00		1.00	0.30	0.33	0.55	0.66
	1.5	OF-14	S26.2	C	Woodland, Grass, Fair	77	59	92	0.87	0.83	0.78	0.27	0.13	0.03		1.00	0.25	0.45	0.75	0.90
	3.6	OF-14	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.97	1.87	1.74	0.55	0.24	0.03		1.00	0.25	1.		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCII								

	0.4	OF-15	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01		1.00	0.25	0.12	0.20	0.24	
	1.0	OF-15	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.18	0.07		1.00	0.20	0.30	0.50	0.60	
	0.1	OF-16	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.4	OF-16	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01		1.00	0.25	0.12	0.20	0.24	
	0.6	OF-16	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.35	0.33	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36	
	0.7	OF-16	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.49	0.48	0.45	0.22	0.14	0.06		1.00	0.20	0.21	0.35	0.42	
	0.6	OF-17	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36	
	1.5	OF-17	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.05	1.02	0.97	0.46	0.29	0.13		1.00	0.20	0.45	0.75	0.90	
	1.7	OF-17	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.04	1.00	0.94	0.36	0.19	0.05		1.00	0.25	0.51	0.85	1.02	
	3.4	OF-17	S26.2	C	Open Brush, Fair	77	59	92	1.97	1.89	1.76	0.62	0.30	0.06		1.00	0.25	1.02	1.70	2.04	
	7.2	OF-17	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.94	3.75	3.47	1.11	0.48	0.06		1.00	0.25	2.16	3.60	4.32	
	0.1	OF-18	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.1	OF-18	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.6	OF-18	S26.2	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36	
	2.1	OF-18	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.29	1.24	1.16	0.45	0.23	0.07		1.00	0.25	0.63	1.05	1.26	
	8.9	OF-18	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	4.87	4.63	4.29	1.37	0.59	0.08		1.00	0.25	2.67	4.45	5.34	
	14.8	OF-18	S26.2	C	Open Brush, Fair	77	59	92	8.59	8.21	7.65	2.70	1.30	0.27		1.00	0.25	4.44	7.40	8.88	
	0.1	OF-19	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.4	OF-19	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24	
	0.4	OF-19	S26.2	D	Open Brush, Fair	83	67	96	0.27	0.26	0.25	0.12	0.07	0.03		1.00	0.20	0.12	0.20	0.24	
	2.9	OF-19	S26.2	B	Open Brush, Fair	66	46	84	1.18	1.10	0.98	0.15	0.02	0.00		1.00	0.30	0.87	1.45	1.74	
	5.2	OF-19	S26.2	C	Open Brush, Fair	77	59	92	3.02	2.88	2.69	0.95	0.46	0.10		1.00	0.25	1.56	2.60	3.12	
	9.5	OF-19	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.20	4.95	4.58	1.46	0.63	0.08		1.00	0.25	2.85	4.75	5.70	
	1.0	OF-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60	
	0.6	OF-2	S26.2	C	Open Brush, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36	
	2.3	OF-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.49	1.44	1.36	0.57	0.32	0.11		1.00	0.20	0.69	1.15	1.38	
	1.0	OF-2	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.18	0.07		1.00	0.20	0.30	0.50	0.60	
	0.2	OF-20	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	0.5	OF-20	S26.2	B	Woodland, Grass, Fair	65	45	83	0.20	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30	
	1.2	OF-20	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.74	0.71	0.66	0.26	0.13	0.04		1.00	0.25	0.36	0.60	0.72	
	3.6	OF-20	S26.2	C	Woodland, Grass, Fair	77	59	92	2.09	2.00	1.86	0.66	0.32	0.07		1.00	0.25	1.08	1.80	2.16	
	3.8	OF-20	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.72	1.61	1.46	0.31	0.08	0.00		1.00	0.30	1.14	1.90	2.28	
	6.1	OF-20	S26.2	B	Open Brush, Fair	66	46	84	2.48	2.31	2.06	0.32	0.04	0.00		1.00	0.30	1.83	3.05	3.66	
	14.3	OF-20	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	7.83	7.45	6.89	2.20	0.95	0.13		1.00	0.25	4.29	7.15	8.58	
	21.6	OF-20	S26.2	C	Open Brush, Fair	77	59	92	12.54	11.98	11.17	3.94	1.90	0.40		1.00	0.25	6.48	10.80	12.96	
	0.3	OF-21	S26.2	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18	
	0.3	OF-21	S26.2	C	Open Brush, Fair	77	59	92	0.17	0.17	0.16	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	0.6	OF-21	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36	
	2.3	OF-21	S26.2	C	Woodland, Grass, Fair	77	59	92	1.33	1.28	1.19	0.42	0.20	0.04		1.00	0.25	0.69	1.15	1.38	
	3.2	OF-21	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.75	1.67	1.54	0.49	0.21	0.03		1.00	0.25	0.96	1.60	1.92	
	0.1	OF-3	S26.2	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	4.6	OF-3	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.52	2.40	2.22	0.71	0.31	0.04		1.00	0.25	1.38	2.30	2.76	
	4.0	OF-3	S26.2	C	Open Brush, Fair	77	59	92	2.32	2.22	2.07	0.73	0.35	0.07		1.00	0.25	1.20	2.00	2.40	
	0.6	OF-3	S26.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36	
	2.7	OF-3	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.75	1.69	1.59	0.67	0.38	0.13		1.00	0.20	0.81	1.35	1.62	
	5.1	OF-3	S26.2	D	Open Brush, Fair	83	67	96	3.48	3.37	3.20	1.47	0.90	0.38		1.00	0.20	1.53	2.55	3.06	
	0.2	OF-4	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12	
	0.7	OF-4	S26.2	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.20	0.12	0.05		1.00	0.20	0.21	0.35	0.42	
	0.2	OF-5	S26.2	D	Woodland, Grass, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12	
	1.0	OF-5	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60	
	1.4	OF-5	S26.2	C	Open Brush, Fair	77	59	92	0.81	0.78	0.72	0.26	0.12	0.03		1.00	0.25	0.42	0.70	0.84	
	4.4	OF-5	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.85	2.75	2.60	1.09	0.62	0.22		1.00	0.20	1.32	2.20	2.64	
	6.7	OF-5	S26.2	D	Open Brush, Fair	83	67	96	4.57	4.42	4.21	1.93	1.18	0.50		1.00	0.20	2.01	3.35	4.02	
	0.7	OF-6	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.45	0.44	0.41	0.17	0.10	0.03		1.00	0.20	0.21	0.35	0.42	
	1.4	OF-6	S26.2	D	Woodland, Grass, Fair	82	66	95	0.93	0.90	0.85	0.37	0.22	0.09		1.00	0.20	0.42	0.70	0.84	
	5.4	OF-6	S26.2	D	Open Brush, Fair	83	67	96	3.68	3.57	3.39	1.56	0.95	0.40		1.00	0.20	1.62	2.70	3.24	
	0.6	OF-7	S26.2	B	Woodland, Grass, Fair	65	45	83	0.24	0.22	0.19	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36	
	0.8	OF-7	S26.2	C	Woodland, Grass, Fair	77	59	92	0.46	0.44	0.41	0.15	0.07	0.01		1.00	0.25	0.24	0.40	0.48	
	0.8	OF-7	S26.2	B	Open Brush, Fair	66	46	84	0.33	0.30	0.27	0.04	0.01	0.00		1.00	0.30	0.24	0.40	0.48	
	1.1	OF-7	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.40	0.37	0.32	0.03	0.00	0.00		1.00	0.30	0.33	0.55	0.66	
	5.2	OF-7	S26.2	D	Woodland, Grass, Fair	82	66	95	3.46	3.34	3.17	1.39	0.82	0.32		1.00	0.20	1.56	2.60	3.12	
	6.3	OF-7	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.45</												

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII					5.63									

	0.9	OF-8	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.41	0.38	0.34	0.07	0.02	0.00		1.00	0.30	0.27	0.45	0.54	
	3.8	OF-8	S26.2	D	Open Brush, Fair	83	67	96	2.59	2.51	2.39	1.10	0.67	0.28		1.00	0.20	1.14	1.90	2.28	
	4.2	OF-8	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.72	2.62	2.48	1.04	0.59	0.21		1.00	0.20	1.26	2.10	2.52	
	5.1	OF-8	S26.2	C	Woodland, Grass, Fair	77	59	92	2.96	2.83	2.64	0.93	0.45	0.09		1.00	0.25	1.53	2.55	3.06	
	7.0	OF-8	S26.2	C	Open Brush, Fair	77	59	92	4.06	3.88	3.62	1.28	0.62	0.13		1.00	0.25	2.10	3.50	4.20	
	12.0	OF-8	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	6.57	6.25	5.78	1.85	0.80	0.11		1.00	0.25	3.60	6.00	7.20	
	0.5	OF-9	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.35	0.34	0.32	0.15	0.10	0.04		1.00	0.20	0.15	0.25	0.30	
	0.7	OF-9	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.25	0.23	0.21	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42	
	2.3	OF-9	S26.2	C	Woodland, Grass, Fair	77	59	92	1.33	1.28	1.19	0.42	0.20	0.04		1.00	0.25	0.69	1.15	1.38	
	2.4	OF-9	S26.2	B	Open Brush, Fair	66	46	84	0.98	0.91	0.81	0.12	0.02	0.00		1.00	0.30	0.72	1.20	1.44	
	2.5	OF-9	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.13	1.06	0.96	0.20	0.05	0.00		1.00	0.30	0.75	1.25	1.50	
	3.2	OF-9	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.96	1.88	1.77	0.68	0.36	0.10		1.00	0.25	0.96	1.60	1.92	
	7.4	OF-9	S26.2	D	Woodland, Grass, Fair	82	66	95	4.92	4.75	4.51	1.98	1.17	0.45		1.00	0.20	2.22	3.70	4.44	
	12.4	OF-9	S26.2	C	Open Brush, Fair	77	59	92	7.20	6.88	6.41	2.26	1.09	0.23		1.00	0.25	3.72	6.20	7.44	
	28.2	OF-9	S26.2	D	Open Brush, Fair	83	67	96	19.24	18.62	17.72	8.13	4.97	2.09		1.00	0.20	8.46	14.10	16.92	
	31.4	OF-9	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	20.34	19.60	18.53	7.78	4.43	1.56		1.00	0.20	9.42	15.70	18.84	
	42.4	OF-9	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	23.21	22.08	20.44	6.53	2.83	0.37		1.00	0.25	12.72	21.20	25.44	
	0.8	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.15	0.07	0.01		1.00	0.25	0.24	0.40	0.48	
	2.9	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.68	1.61	1.50	0.53	0.25	0.05		1.00	0.25	0.87	1.45	1.74	
	14.8	O-3	S26.3	C	Open Brush, Fair	77	59	92	8.59	8.21	7.65	2.70	1.30	0.27		1.00	0.25	4.44	7.40	8.88	
	0.2	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11	
	0.1	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	11.7	O-4	S26.3	C	Open Brush, Fair	77	59	92	6.79	6.49	6.05	2.13	1.03	0.22		1.00	0.25	3.51	5.85	7.02	
	1.9	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	0.96	0.91	0.84	0.72	0.52	0.33		0.90	0.25	0.51	0.86	1.03	
	0.1	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06	
	0.3	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18	
	2.3	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.77	0.71	0.63	0.51	0.33	0.21		0.90	0.30	0.62	1.04	1.24	
	0.6	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.24	0.22	0.19	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36	
	1	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60	
	8.2	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.76	4.55	4.24	1.49	0.72	0.15		1.00	0.25	2.46	4.10	4.92	
	6.2	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	3.12	2.96	2.73	2.35	1.69	1.06		0.90	0.25	1.67	2.79	3.35	
	0.20	26.3-1	S26.3	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12	
	0.20	26.3-1	S26.3	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	0.50	26.3-1	S26.3	B	Woodland, Grass, Fair	65	45	83	0.20	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30	
	0.90	26.3-1	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.49	0.47	0.43	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54	
	0.50	26.3-1	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.29	0.28	0.11	0.06	0.02		1.00	0.25	0.15	0.25	0.30	
	11.50	26.3-1	S26.3	C	Open Brush, Fair	77	59	92	6.67	6.38	5.95	2.10	1.01	0.21		1.00	0.25	3.45	5.75	6.90	
	0.30	26.3-1	S26.3	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.16	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	0.20	26.3-2	S26.3	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12	
	1.30	26.3-2	S26.3	C	Open Brush, Fair	77	59	92	0.75	0.72	0.67	0.24	0.11	0.02		1.00	0.25	0.39	0.65	0.78	
	1.3	26.3-2	S26.3	A	Public Park	32	17	52	0.21	0.20	0.19	0.18	0.18	0.17		0.85	0.40	0.33	0.55	0.66	
	1.4	26.3-2	S26.3	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40	0.04	0.07	0.08	
	1.7	26.3-2	S26.3	A	Residential 2.5 acre lots	32	17	52	0.20	0.18	0.17	0.16	0.16	0.15		0.90	0.40	0.46	0.77	0.92	
	12.4	26.3-2	S26.3	A	Open Brush, Fair	46	28	66	1.80	1.51	1.14	0.00	0.00	0.00		1.00	0.40	3.72	6.20	7.44	
	26.9	26.3-2	S26.3	A	Woodland, Grass, Fair	44	26	64	3.32	2.73	1.99	0.00	0.00	0.00		1.00	0.40	8.07	13.45	16.14	
	0.5	26.3-3	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.30	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30	
	0.4	26.3-3	S26.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24	
	0.4	26.3-3	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.22	0.21	0.19	0.06	0.03	0.00		1.00	0.25	0.12	0.20	0.24	
	0.6	26.3-3	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.35	0.33	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36	
	0.7	26.3-3	S26.3	C	Public Park	69	50	86	0.37	0.35	0.33	0.29	0.22	0.15		0.85	0.25	0.18	0.30	0.36	
	0.7	26.3-3	S26.3	D	Chaparral, Narrowleaf, Fair	86	72	97	0.51	0.50	0.48	0.25	0.17	0.09		1.00	0.20	0.21	0.35	0.42	
	1.0	26.3-3	S26.3	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.18	0.07		1.00	0.20	0.30	0.50	0.60	
	1.2	26.3-3	S26.3	A	Open Brush, Fair	46	28	66	0.17	0.15	0.11	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72	
	1.7	26.3-3	S26.3	D	Residential 2.5 acre lots	75	57	91	1.00	0.96	0.90	0.80	0.61	0.41		0.90	0.20	0.46	0.77	0.92	
	1.9	26.3-3	S26.3	C	Open Brush, Fair	77	59	92	1.10	1.05	0.98	0.35	0.17	0.04		1.00	0.25	0.57	0.95	1.14	
	2.1	26.3-3	S26.3	C	Residential 2.5 acre lots	69	50	86	1.06	1.00	0.92	0.79	0.57	0.36		0.90	0.25	0.57	0.95	1.13	
	2.9	26.3-3	S26.3	C	Chaparral, Narrowleaf, Fair	81	64	95	1.88	1.81	1.71	0.72	0.41	0.14		1.00	0.25	0.87	1.45	1.74	
	5.6	26.3-3	S26.3	C	Woodland, Grass, Fair	77	59	92	3.25	3.10	2.90	1.02	0.49	0.10		1.00	0.25	1.68	2.80	3.36	
	9.0	26.3-3	S26.3	A	Woodland, Grass, Fair	44	26	64	1.11	0.91	0.67	0.00	0.00	0.00		1.00	0.40	2.70	4.50	5.40	
	0.5	26.3-5	S26.3	B	Row Crops, Poor	81	64	95	0.32	0.31	0.30	0.12	0.07	0.02		1.00	0.30	0.15	0.25	0.30	
	0.7	26.3-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.27	0.25	0.23	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42	
	1.3	26.3-5	S26.3	D	Public Park	75	57	91	0.79	0.76	0.72	0.64	0.51	0.36		0.85	0.20	0.33	0.55	0.66	
	1.3	26.3-5	S26.3	A	Residential 2.5 acre lots	32	17	52	0.15	0.14	0.13	0.12	0.12	0.11		0.90	0.40	0.35	0.59	0.70	
	1.9	26.3-5	S26.3	A	Row Crops, Poor	72	53	89	0.95	0.90	0.82	0.22	0.08	0.00		1.00	0.40	0.57	0.95	1.14	
	2.1	26.3-5	S26.3	C	Public Park	69	50	86	1.11	1.06	0.98	0.86	0.65	0.44		0.85	0.25	0.54	0.89	1.07	
	3.2	26.3-5	S26.3	A	Open Brush, Fair	46	28	66	0.46	0.39	0.29	0.00	0.00	0.00		1.00	0.40	0.96	1.60	1.92	
	3.5	26.3-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.43	0.36	0.26	0.00	0.00	0.00		1.00	0.40	1.05	1.75	2.10	
	6.1	26.3-5	S26.3	A	Public Park																

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														

	0.4	26.3-6	S26.3	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20	
	0.6	26.3-6	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36	
	1.1	26.3-6	S26.3	A	Commercial, Industrial	32	17	52	0.95	0.95	0.94	0.93	0.91	0.87		0.10	0.40	0.03	0.06	0.07	
	0.8	26.3-6	S26.3	A	Public Park	32	17	52	0.13	0.12	0.12	0.11	0.11	0.11		0.85	0.40	0.20	0.34	0.41	
	0.8	26.3-6	S26.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.15	0.13	0.11	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48	
	0.9	26.3-6	S26.3	B	Woodland, Grass, Fair	65	45	83	0.35	0.33	0.29	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54	
	1.5	26.3-6	S26.3	A	Row Crops, Poor	72	53	89	0.75	0.71	0.65	0.17	0.06	0.00		1.00	0.40	0.45	0.75	0.90	
	1.6	26.3-6	S26.3	C	Open Brush, Fair	77	59	92	0.93	0.89	0.83	0.29	0.14	0.03		1.00	0.25	0.48	0.80	0.96	
	1.8	26.3-6	S26.3	D	Open Brush, Fair	83	67	96	1.23	1.19	1.13	0.52	0.32	0.13		1.00	0.20	0.54	0.90	1.08	
	1.9	26.3-6	S26.3	C	Woodland, Grass, Fair	77	59	92	1.10	1.05	0.98	0.35	0.17	0.04		1.00	0.25	0.57	0.95	1.14	
	3.3	26.3-6	S26.3	B	Open Brush, Fair	66	46	84	1.34	1.25	1.11	0.17	0.02	0.00		1.00	0.30	0.99	1.65	1.98	
	3.7	26.3-6	S26.3	C	Public Park	69	50	86	1.96	1.86	1.73	1.52	1.14	0.78		0.85	0.25	0.94	1.57	1.89	
	3.9	26.3-6	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	2.14	2.03	1.88	0.60	0.26	0.03		1.00	0.25	1.17	1.95	2.34	
	5.9	26.3-6	S26.3	B	Public Park	56	36	76	2.19	2.04	1.85	1.55	1.11	0.81		0.85	0.30	1.50	2.51	3.01	
	9.1	26.3-6	S26.3	A	Woodland, Grass, Fair	44	26	64	1.12	0.92	0.67	0.00	0.00	0.00		1.00	0.40	2.73	4.55	5.46	
	20.6	26.3-6	S26.3	A	Open Brush, Fair	46	28	66	2.98	2.51	1.90	0.00	0.00	0.00		1.00	0.40	6.18	10.30	12.36	
	1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.40	1.39	1.37	1.34	1.27	1.18		0.20	0.20	0.10	0.16	0.19	
	0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.94	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13	
	0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
	1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.36	1.36	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09	
	0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01	
	0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.60	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08	
	0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06	
	1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.73	1.72	1.70	1.67	1.61	1.52		0.10	0.25	0.06	0.10	0.11	
	2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.30	2.28	2.26	2.22	2.14	2.02		0.10	0.20	0.08	0.13	0.15	
	0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10	
	0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.61	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08	
	0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	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	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	0.2	C1-13	S27.2	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
	6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.24	5.19	5.11	4.98	4.72	4.41		0.20	0.25	0.37	0.61	0.73	
	6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.35	5.30	5.23	5.10	4.84	4.50		0.20	0.20	0.37	0.61	0.73	
	1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10	
	1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.16	1.11	1.05		0.10	0.20	0.04	0.07	0.08	
	3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.58	2.55	2.51	2.45	2.32	2.17		0.20	0.25	0.18	0.30	0.36	
	2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.84	1.83	1.80	1.76	1.67	1.55		0.20	0.20	0.13	0.21	0.25	
	3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.61	2.55	2.47	2.33	2.07	1.80		0.50	0.25	0.56	0.93	1.11	
	6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.52	4.43	4.30	4.07	3.64	3.15		0.50	0.20	0.90	1.50	1.80	
	0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.34	0.34	0.34	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05	
	0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
	6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.80	4.69	4.54	4.27	3.80	3.31		0.50	0.25	1.02	1.70	2.04	
	19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.40	14.11	13.69	12.96	11.59	10.03		0.50	0.20	2.87	4.78	5.73	
	0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02	
	0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38	
	8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.29	6.14	5.94	5.59	4.98	4.33		0.50	0.25	1.34	2.23	2.67	
	7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.58	5.47	5.30	5.02	4.49	3.89		0.50	0.20	1.11	1.85	2.22	
	0.1	C1-17	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	1.4	C1-17	S27.2	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40	0.04	0.07	0.08	
	4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.28	4.25	4.21	4.13	3.99	3.80		0.10	0.30	0.14	0.24	0.29	
	5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.55	4.52	4.47	4.39	4.23	4.01		0.10	0.25	0.15	0.25	0.30	
	3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.16	2.99		0.10	0.20	0.11	0.19	0.22	
	5.0	C1-17	S27.2	D	Public Park	75	57	91	3.05	2.93	2.76	2.47	1.95	1.39		0.85	0.20	1.28	2.13	2.55	
	4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.44	3.40	3.35	3.26	3.10	2.89		0.20	0.25	0.24	0.40	0.48	
	12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.15	11.04	10.89	10.62	10.07	9.37		0.20	0.20	0.76	1.27	1.52	
	1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.37	0.34	0.30	0.24	0.16	0.10		0.90	0.30	0.30	0.50	0.59	
	1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.76	0.72	0.66	0.57	0.41	0.26		0.90	0.25	0.41	0.68	0.81	
	2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.47	1.41	1.32	1.17	0.90	0.60		0.90	0.20	0.68	1.13	1.35	
	0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03	
	4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.18	3.11	3.00	2.83	2.52	2.19		0.50	0.25	0.68	1.13	1.35	
	1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	1.06	1.03	1.00	0.95	0.85	0.74		0.50	0.20	0.21	0.35	0.42	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III	AMC 1/AMCII														
	0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	0.7	C1-21	S27.2	C	School	69	50	86	0.46	0.45	0.43	0.40	0.34	0.29		0.60	0.25	0.13	0.21	0.25			
	0.1	C1-22	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
	2.0	C1-22	S27.2	C	Public Park	69	50	86	1.06	1.01	0.94	0.82	0.62	0.42		0.85	0.25	0.51	0.85	1.02			
	2.1	C1-22	S27.2	D	Public Park	75	57	91	1.28	1.23	1.16	1.04	0.82	0.58		0.85	0.20	0.54	0.89	1.07			
	5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.81	4.76	4.69	4.57	4.33	4.05		0.20	0.25	0.34	0.56	0.67			
	0.9	C1-22	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.71	0.66		0.20	0.20	0.05	0.09	0.11			
	3.1	C1-22	S27.2	C	School	69	50	86	2.03	1.98	1.89	1.75	1.51	1.26		0.60	0.25	0.56	0.93	1.12			
	0.3	C1-22	S27.2	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11			
	1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	1.00	0.99	0.98	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07			
	1.1	C1-23	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.00	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	3.1	C1-23	S27.2	C	Public Park	69	50	86	1.64	1.56	1.45	1.27	0.96	0.65		0.85	0.25	0.79	1.32	1.58			
	2.6	C1-23	S27.2	D	Public Park	75	57	91	1.58	1.52	1.44	1.29	1.01	0.72		0.85	0.20	0.66	1.11	1.33			
	4.8	C1-23	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.12	4.08	4.02	3.92	3.72	3.47		0.20	0.25	0.29	0.48	0.58			
	3.4	C1-23	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.98	2.96	2.92	2.84	2.70	2.51		0.20	0.20	0.20	0.34	0.41			
	3.1	C1-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.66	2.64	2.60	2.53	2.40	2.24		0.20	0.25	0.19	0.31	0.37			
	5.0	C1-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	4.39	4.35	4.29	4.18	3.97	3.69		0.20	0.20	0.30	0.50	0.60			
	0.2	C1-24	S27.2	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11			
	1.2	C1-24	S27.2	D	Residential 2.5 acre lots	75	57	91	0.71	0.68	0.63	0.56	0.43	0.29		0.90	0.20	0.32	0.54	0.65			
	13.9	C1-24	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	9.82	9.60	9.28	8.74	7.77	6.76		0.50	0.25	2.09	3.48	4.17			
	18.6	C1-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.02	13.74	13.33	12.62	11.28	9.77		0.50	0.20	2.79	4.65	5.58			
	1.0	C1-25	S27.2	B	Commercial, Industrial	56	36	76	0.89	0.89	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06			
	6.1	C1-25	S27.2	C	Commercial, Industrial	69	50	86	5.55	5.51	5.46	5.36	5.16	4.89		0.10	0.25	0.18	0.31	0.37			
	12.9	C1-25	S27.2	D	Commercial, Industrial	75	57	91	11.86	11.78	11.67	11.46	11.03	10.44		0.10	0.20	0.39	0.65	0.77			
	0.3	C1-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
	0.9	C1-25	S27.2	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.25	0.20	0.13	0.08		0.90	0.30	0.24	0.41	0.49			
	12.8	C1-25	S27.2	C	Residential 2.5 acre lots	69	50	86	6.44	6.11	5.63	4.84	3.49	2.19		0.90	0.25	3.46	5.76	6.91			
	23.2	C1-25	S27.2	D	Residential 2.5 acre lots	75	57	91	13.66	13.09	12.27	10.87	8.31	5.61		0.90	0.20	6.26	10.44	12.53			
	0.3	C1-25	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09			
	0.3	C1-25	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	4.8	C1-26	S27.2	C	Commercial, Industrial	69	50	86	4.37	4.34	4.29	4.22	4.06	3.85		0.10	0.25	0.14	0.24	0.29			
	4.8	C1-26	S27.2	D	Commercial, Industrial	75	57	91	4.41	4.38	4.34	4.27	4.10	3.88		0.10	0.20	0.14	0.24	0.29			
	0.1	C1-26	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	6.3	C1-26	S27.2	D	Public Park	75	57	91	3.84	3.69	3.48	3.12	2.45	1.75		0.85	0.20	1.61	2.68	3.21			
	5.0	C1-26	S27.2	B	Residential 10+ dwellings/acre	56	36	76	4.11	4.07	4.01	3.91	3.73	3.53		0.20	0.30	0.30	0.50	0.60			
	43.3	C1-26	S27.2	C	Residential 10+ dwellings/acre	69	50	86	37.19	36.82	36.28	35.34	33.51	31.28		0.20	0.25	2.60	4.33	5.20			
	38.7	C1-26	S27.2	D	Residential 10+ dwellings/acre	75	57	91	33.97	33.66	33.19	32.36	30.69	28.57		0.20	0.20	2.32	3.87	4.64			
	2.3	C1-26	S27.2	C	Residential 2.5 acre lots	69	50	86	1.16	1.10	1.01	0.87	0.63	0.39		0.90	0.25	0.62	1.04	1.24			
	3.6	C1-26	S27.2	D	Residential 2.5 acre lots	75	57	91	2.12	2.03	1.90	1.69	1.29	0.87		0.90	0.20	0.97	1.62	1.94			
	0.5	C1-27	S27.2	A	Apartments	32	17	52	0.39	0.38	0.38	0.38	0.37	0.35		0.20	0.40	0.03	0.05	0.06			
	14.8	C1-27	S27.2	B	Apartments	56	36	76	12.16	12.04	11.86	11.57	11.03	10.44		0.20	0.30	0.89	1.48	1.78			
	1.9	C1-27	S27.2	C	Apartments	69	50	86	1.63	1.62	1.59	1.55	1.47	1.37		0.20	0.25	0.11	0.19	0.23			
	9.9	C1-27	S27.2	D	Apartments	75	57	91	8.69	8.61	8.49	8.28	7.85	7.31		0.20	0.20	0.59	0.99	1.19			
	1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.56	1.55	1.54	1.52	1.49	1.43		0.10	0.40	0.05	0.09	0.11			
	8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.48	7.43	7.36	7.23	6.98	6.66		0.10	0.30	0.25	0.42	0.50			
	7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.91	6.87	6.80	6.68	6.43	6.09		0.10	0.25	0.23	0.38	0.46			
	14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.87	12.79	12.66	12.44	11.97	11.33		0.10	0.20	0.42	0.70	0.84			
	1.4	C1-27	S27.2	C	Public Park	69	50	86	0.74	0.71	0.66	0.57	0.43	0.29		0.85	0.25	0.36	0.60	0.71			
	0.3	C1-27	S27.2	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15			
	0.2	C1-27	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.15	0.15	0.15	0.15	0.15	0.14		0.20	0.40	0.01	0.02	0.02			
	0.3	C1-27	S27.2	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.23	0.22	0.21		0.20	0.30	0.02	0.03	0.04			
	12.2	C1-27	S27.2	C	Residential 10+ dwellings/acre	69	50	86	10.48	10.37	10.22	9.96	9.44	8.81		0.20	0.25	0.73	1.22	1.46			
	17.6	C1-27	S27.2	D	Residential 10+ dwellings/acre	75	57	91	15.45	15.31	15.09	14.71	13.96	12.99		0.20	0.20	1.06	1.76	2.11			
	0.3	C1-27	S27.2	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16			
	0.9	C1-27	S27.2	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.40	0.34	0.25	0.15		0.90	0.25	0.24	0.41	0.49			
	9.3	C1-27	S27.2	D	Residential 2.5 acre lots	75	57	91	5.48	5.25	4.92	4.36	3.33	2.25		0.90	0.20	2.51	4.19	5.02			
	0.2	C1-27	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06			
	5.3	C1-27	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.74	3.66	3.54	3.33	2.96	2.58		0.50	0.25	0.80	1.33	1.59			
	28.3	C1-27	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	21.34	20.91	20.28	19.20	17.17	14.87		0.50	0.20	4.25	7.08	8.49			
	3.8	C1-27	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	2.88	2.83	2.75	2.63	2.40	2.15		0.40	0.25	0.46	0.76	0.91			
	4.1	C1-27	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	3.26	3.21	3.13	3.00	2.74	2.44		0.40	0.20	0.49	0.82	0.98			
	0.3	C1-27	S27.2	C	School	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11			
	0.3	C1-27	S27.2	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11			
	11.6	C1-28	S27.2	A	Commercial, Industrial	32	17	52	10.05	10.00	9.94	9.83	9.58										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100								
						AMC			P ₂₄ (Inches)						5.63								
						II	I	III				AMC 1/AMCII											
	17.5	C1-30	S27.2	A	Apartments	32	17	52	13.52	13.44	13.33	13.18	12.84	12.32		0.20	0.40	1.05	1.75	2.10			
	1.5	C1-30	S27.2	B	Apartments	56	36	76	1.23	1.22	1.20	1.17	1.12	1.06		0.20	0.30	0.09	0.15	0.18			
	0.7	C1-30	S27.2	C	Apartments	69	50	86	0.60	0.60	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08			
	0.1	C1-30	S27.2	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.06			
	44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.65	38.47	38.21	37.78	36.82	35.32		0.10	0.40	1.34	2.23	2.68			
	0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04			
	2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.82	1.81	1.79	1.76	1.69	1.60		0.10	0.25	0.06	0.10	0.12			
	4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.77	3.74	3.71	3.64	3.51	3.32		0.10	0.20	0.12	0.21	0.25			
	0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.64	2.62	2.59	2.55	2.45	2.32		0.10	0.25	0.09	0.15	0.17			
	4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.14	4.11	4.07	4.00	3.85	3.64		0.10	0.20	0.14	0.23	0.27			
	5.7	C1-4	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.90	4.85	4.78	4.65	4.41	4.12		0.20	0.25	0.34	0.57	0.68			
	2.4	C1-4	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.11	2.09	2.06	2.01	1.90	1.77		0.20	0.20	0.14	0.24	0.29			
	0.5	C1-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.38	0.37	0.36	0.35	0.32	0.28		0.40	0.25	0.06	0.10	0.12			
	5.7	C1-4	S27.2	C	School	69	50	86	3.74	3.63	3.48	3.23	2.78	2.32		0.60	0.25	1.03	1.71	2.05			
	6.7	C1-4	S27.2	D	School	75	57	91	4.77	4.66	4.49	4.19	3.65	3.04		0.60	0.20	1.21	2.01	2.41			
	0.1	C1-4	S27.2	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05			
	1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.91	0.90	0.89	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06			
	0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.83	0.82	0.81	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05			
	0.6	C1-5	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07			
	0.1	C1-5	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.1	C1-5	S27.2	C	School	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04			
	0.5	C1-5	S27.2	D	School	75	57	91	0.36	0.35	0.33	0.31	0.27	0.23		0.60	0.20	0.09	0.15	0.18			
	1.7	C1-6	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10			
	4.4	C1-6	S27.2	D	Commercial, Industrial	75	57	91	4.04	4.02	3.98	3.91	3.76	3.56		0.10	0.20	0.13	0.22	0.26			
	0.6	C1-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07			
	1.3	C1-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.11	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16			
	2.8	C1-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.84	1.78	1.71	1.58	1.36	1.14		0.60	0.25	0.50	0.84	1.01			
	7.1	C1-6	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	5.06	4.94	4.76	4.44	3.87	3.23		0.60	0.20	1.28	2.13	2.56			
	3.3	C1-7	S27.2	C	Commercial, Industrial	69	50	86	3.00	2.98	2.95	2.90	2.79	2.64		0.10	0.25	0.10	0.17	0.20			
	0.4	C1-7	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.1	C1-7	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	0.2	C1-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	1.2	C2-1	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.91	0.89	0.87	0.83	0.76	0.68		0.40	0.25	0.14	0.24	0.29			
	0.5	C2-10	S27.2	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27			
	0.2	C2-10	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.13	0.11	0.09		0.60	0.20	0.04	0.06	0.07			
	0.9	C2-11	S27.2	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.40	0.34	0.25	0.15		0.90	0.25	0.24	0.41	0.49			
	0.3	C2-11	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16			
	0.1	C2-11	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04			
	0.1	C2-11	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	0.3	C2-11	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	2.0	C2-12	S27.2	C	Residential 2.5 acre lots	69	50	86	1.01	0.95	0.88	0.76	0.54	0.34		0.90	0.25	0.54	0.90	1.08			
	0.4	C2-12	S27.2	D	Residential 2.5 acre lots	75	57	91	0.24	0.23	0.21	0.19	0.14	0.10		0.90	0.20	0.11	0.18	0.22			
	0.4	C2-12	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27	0.25	0.22	0.19		0.50	0.25	0.06	0.10	0.12			
	0.3	C2-12	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	0.1	C2-13	S27.2	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
	1.5	C2-13	S27.2	C	Commercial, Industrial	69	50	86	1.36	1.36	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09			
	0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.41	1.34	1.23	1.06	0.76	0.48		0.90	0.25	0.76	1.26	1.51			
	1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.59	0.56	0.53	0.47	0.36	0.24		0.90	0.20	0.27	0.45	0.54			
	0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.82	0.81	0.81	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05			
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04			
	6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.45	4.35	4.20	3.96	3.52	3.06		0.50	0.25	0.95	1.58	1.89			
	3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.79	2.73	2.65	2.51	2.24	1.94		0.50	0.20	0.56	0.93	1.11			
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.37	1.36	1.34	1.31	1.24	1.16		0.20	0.25	0.10	0.16	0.19			
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.57	9.48	9.35	9.11	8.64	8.05		0.20	0.20	0.65	1.09	1.31			
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.18	1.17	1.16	1.14	1.10	1.04		0.10	0.25	0.04	0.07	0.08			
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.16	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.94	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13			
	7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	6.14	6.09	6.00	5.85	5.55	5.17		0.20	0.20	0.42	0.70	0.84			
	0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.29	0.28	0.27	0.25	0.22	0.18		0.60	0.20	0.07	0.12	0.14			
	4.9</																						

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN			Low Loss Fraction (1-Y) x Area							A ₂	F ₃	Maximum Loss Rate (F _m) x Area				
									Storm Event (Year)													
									EV									100				
						100	50	25	10	5	2	100										
						AMC			P ₂₄ (Inches)					5.63								
II	I	III	AMC 1/AMCII																			

	0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.13	0.11	0.09		0.60	0.20	0.04	0.06	0.07
	1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.77	0.73	0.69	0.61	0.47	0.31		0.90	0.20	0.35	0.59	0.70
	0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.36	0.35	0.33	0.31	0.27	0.23		0.60	0.20	0.09	0.15	0.18
	0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.22	0.18	0.12	0.07		0.90	0.30	0.22	0.36	0.43
	1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.33	0.21		0.90	0.25	0.32	0.54	0.65
	0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11
	0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.22	0.21	0.20	0.18	0.16	0.14		0.60	0.30	0.07	0.12	0.14
	1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.11	1.08	1.04	0.96	0.83	0.69		0.60	0.25	0.31	0.51	0.61
	0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04
	0.8	C2-23	S27.2	C	Apartments	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10
	0.4	C2-23	S27.2	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.30		0.20	0.20	0.02	0.04	0.05
	0.9	C2-23	S27.2	B	Public Park	56	36	76	0.33	0.31	0.28	0.24	0.17	0.12		0.85	0.30	0.23	0.38	0.46
	0.4	C2-23	S27.2	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20
	0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05
	0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38
	3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.80	1.74	1.65	1.52	1.33	1.17		0.60	0.30	0.59	0.99	1.19
	2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.38	1.34	1.28	1.19	1.02	0.86		0.60	0.25	0.38	0.63	0.76
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.18	3.15	3.10	3.02	2.86	2.67		0.20	0.25	0.22	0.37	0.44
	6.8	C2-24	S27.2	D	Apartments	75	57	91	5.97	5.91	5.83	5.69	5.39	5.02		0.20	0.20	0.41	0.68	0.82
	0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.60	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08
	2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.28	2.26	2.23	2.17	2.06	1.92		0.20	0.20	0.16	0.26	0.31
	2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.44	1.40	1.34	1.25	1.07	0.90		0.60	0.25	0.40	0.66	0.79
	9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	7.06	6.88	6.63	6.20	5.39	4.50		0.60	0.20	1.78	2.97	3.56
	1.3	C2-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.98	0.96	0.93	0.88	0.79	0.68		0.50	0.20	0.20	0.33	0.39
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.67	2.65	2.62	2.58	2.48	2.35		0.10	0.20	0.09	0.15	0.17
	3.6	C2-25	S27.2	D	Public Park	75	57	91	2.19	2.11	1.99	1.78	1.40	1.00		0.85	0.20	0.92	1.53	1.84
	4.5	C2-25	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.86	3.83	3.77	3.67	3.48	3.25		0.20	0.25	0.27	0.45	0.54
	4.5	C2-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.95	3.91	3.86	3.76	3.57	3.32		0.20	0.20	0.27	0.45	0.54
	0.1	C2-25	S27.2	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05
	0.8	C2-25	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.61	0.59	0.58	0.55	0.50	0.45		0.40	0.25	0.10	0.16	0.19
	0.2	C2-25	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.13	0.12		0.40	0.20	0.02	0.04	0.05
	0.7	C2-26	S27.2	A	Public Park	32	17	52	0.11	0.11	0.10	0.10	0.10	0.09		0.85	0.40	0.18	0.30	0.36
	8.9	C2-26	S27.2	B	Public Park	56	36	76	3.30	3.08	2.79	2.34	1.67	1.22		0.85	0.30	2.27	3.78	4.54
	1.2	C2-26	S27.2	C	Public Park	69	50	86	0.63	0.60	0.56	0.49	0.37	0.25		0.85	0.25	0.31	0.51	0.61
	3.7	C2-26	S27.2	D	Public Park	75	57	91	2.25	2.17	2.04	1.83	1.44	1.03		0.85	0.20	0.94	1.57	1.89
	7.4	C2-27	S27.2	A	Apartments	32	17	52	5.72	5.68	5.64	5.57	5.43	5.21		0.20	0.40	0.44	0.74	0.89
	15.0	C2-27	S27.2	B	Apartments	56	36	76	12.32	12.20	12.02	11.72	11.18	10.58		0.20	0.30	0.90	1.50	1.80
	5.8	C2-27	S27.2	C	Apartments	69	50	86	4.98	4.93	4.86	4.73	4.49	4.19		0.20	0.25	0.35	0.58	0.70
	2.5	C2-27	S27.2	D	Apartments	75	57	91	2.19	2.17	2.14	2.09	1.98	1.85		0.20	0.20	0.15	0.25	0.30
	9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.89	7.85	7.80	7.71	7.51	7.21		0.10	0.40	0.27	0.46	0.55
	1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.34	1.33	1.31	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09
	0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03
	0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02
	0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06
	2.0	C2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	1.01	0.95	0.88	0.76	0.54	0.34		0.90	0.25	0.54	0.90	1.08
	8.8	C2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	5.77	5.61	5.37	4.98	4.29	3.59		0.60	0.25	1.58	2.64	3.17
	0.1	C2-3	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02
	4.9	C2-3	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.71	3.64	3.55	3.39	3.09	2.77		0.40	0.25	0.59	0.98	1.18
	0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01
	0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01
	0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06
	4.9	C2-4	S27.2	C	Residential 2.5 acre lots	69	50	86	2.47	2.34	2.16	1.85	1.34	0.84		0.90	0.25	1.32	2.21	2.65
	1.5	C2-4	S27.2	D	Residential 2.5 acre lots	75	57	91	0.88	0.85	0.79	0.70	0.54	0.36		0.90	0.20	0.41	0.68	0.81
	1.0	C2-4	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.66	0.64	0.61	0.57	0.49	0.41		0.60	0.25	0.18	0.30	0.36
	8.8	C2-4	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.22	6.08	5.87	5.53	4.92	4.28		0.50	0.25	1.32	2.20	2.64
	4.2	C2-4	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	3.17	3.10	3.01	2.85	2.55	2.21		0.50	0.20	0.63	1.05	1.26
	1.1	C2-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.83	0.82	0.80	0.76	0.69	0.62		0.40	0.25	0.13	0.22	0.26
	0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01
	1.8	C2-5	S27.2	C	Public Park	69	50	86	0.95	0.91	0.84	0.74	0.55	0.38		0.85	0.25	0.46	0.77	0.92
	0.4	C2-5	S27.2	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20
	1.8	C2-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.91	0.86	0.79	0.68	0.49	0.31		0.90	0.25	0.49	0.81	0.97
	2.8	C2-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.65	1.58	1.48	1.31	1.00	0.68		0.90	0.20	0.76	1.26	1.51
	6.1	C2-5	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.31	4.21	4.07	3.83	3.41	2.97		0.50	0.25	0.92	1.53	1.83
	11.2	C2-5	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	8.44	8.27	8.03	7.60	6.80	5.88		0.50	0.20	1.68	2.80	3.36
	7.8	C2-5	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	5.91	5.80	5.65	5.39	4.92	4.41		0.40	0.25	0.94	1.56	1.87
	1.4	C2-5	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	1.11	1.10	1.07	1.02	0.94	0.83		0.40	0.20	0.17	0.28	0.34
	5.5	C2-6	S27.2	C	Commercial, Industrial	69	50	86	5.00	4.97	4.92	4.83	4.65	4.41		0.10	0.25	0.17	0.28	0.33
	1.9	C2-6	S27.2	D	Commercial, Industrial	75	57	91	1.75	1.74	1.72	1.69	1.62	1.54		0.10	0.20	0.06	0.10	0.11
	2.5	C2-6</																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
								AMC										P ₂₄ (Inches)							
								II	I	III	AMC 1/AMCII							5.63							
																Storm Event (Year)			HC	All					
	0.9	C2-6	S27.2	D	Public Park	75	57	91	0.55	0.53	0.50	0.45	0.35	0.25		0.85	0.20	0.23	0.38	0.46					
	36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	31.26	30.95	30.50	29.71	28.17	26.30		0.20	0.25	2.18	3.64	4.37					
	13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.94	11.83	11.66	11.37	10.79	10.04		0.20	0.20	0.82	1.36	1.63					
	4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	2.37	2.24	2.07	1.78	1.28	0.80		0.90	0.25	1.27	2.12	2.54					
	2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.24	1.19	1.11	0.98	0.75	0.51		0.90	0.20	0.57	0.95	1.13					
	0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04					
	0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09					
	0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03					
	0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02					
	9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	7.04	6.92	6.74	6.43	5.87	5.25		0.40	0.25	1.12	1.86	2.23					
	0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.70	0.69	0.66	0.60	0.54		0.40	0.20	0.11	0.18	0.22					
	0.3	C2-7	S27.2	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04					
	0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04					
	9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.28	8.22	8.14	8.00	7.70	7.29		0.10	0.25	0.27	0.46	0.55					
	6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.16	6.12	6.06	5.95	5.73	5.42		0.10	0.20	0.20	0.34	0.40					
	0.5	C2-7	S27.2	C	Public Park	69	50	86	0.26	0.25	0.23	0.20	0.15	0.11		0.85	0.25	0.13	0.21	0.26					
	2.6	C2-7	S27.2	D	Public Park	75	57	91	1.58	1.52	1.44	1.29	1.01	0.72		0.85	0.20	0.66	1.11	1.33					
	0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.46	0.46	0.46	0.45	0.44	0.42		0.20	0.40	0.04	0.06	0.07					
	2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.97	1.95	1.92	1.88	1.79	1.69		0.20	0.30	0.14	0.24	0.29					
	10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	9.10	9.01	8.88	8.65	8.20	7.66		0.20	0.25	0.64	1.06	1.27					
	0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07					
	1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.96	0.91	0.84	0.72	0.52	0.33		0.90	0.25	0.51	0.86	1.03					
	0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.41	0.40	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38					
	14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	9.38	9.11	8.73	8.09	6.97	5.83		0.60	0.25	2.57	4.29	5.15					
	15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	10.90	10.64	10.25	9.58	8.33	6.95		0.60	0.20	2.75	4.59	5.51					
	0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.20	0.19	0.19	0.19	0.18	0.18		0.50	0.40	0.06	0.10	0.12					
	1.5	C2-7	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.92	0.90	0.86	0.81	0.73	0.66		0.50	0.30	0.23	0.38	0.45					
	5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.60	3.52	3.40	3.21	2.85	2.48		0.50	0.25	0.77	1.28	1.53					
	0.9	C2-7	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.68	0.66	0.65	0.61	0.55	0.47		0.50	0.20	0.14	0.23	0.27					
	3.5	C2-7	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	2.39	2.34	2.28	2.18	2.01	1.86		0.40	0.30	0.42	0.70	0.84					
	8.4	C2-7	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.36	6.25	6.08	5.80	5.30	4.75		0.40	0.25	1.01	1.68	2.02					
	2.8	C2-7	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	2.23	2.19	2.14	2.05	1.87	1.67		0.40	0.20	0.34	0.56	0.67					
	0.6	C2-7	S27.2	B	School	56	36	76	0.33	0.32	0.30	0.28	0.24	0.21		0.60	0.30	0.11	0.18	0.22					
	1.5	C2-7	S27.2	C	School	69	50	86	0.98	0.96	0.92	0.85	0.73	0.61		0.60	0.25	0.27	0.45	0.54					
	3.5	C2-7	S27.2	D	School	75	57	91	2.49	2.43	2.34	2.19	1.91	1.59		0.60	0.20	0.63	1.05	1.26					
	0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04					
	0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01					
	0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02					
	5.7	C2-8	S27.2	B	Public Park	56	36	76	2.11	1.97	1.79	1.50	1.07	0.78		0.85	0.30	1.45	2.42	2.91					
	4.5	C2-8	S27.2	C	Public Park	69	50	86	2.38	2.27	2.11	1.84	1.39	0.95		0.85	0.25	1.15	1.91	2.30					
	9.4	C2-8	S27.2	D	Public Park	75	57	91	5.73	5.51	5.19	4.65	3.66	2.60		0.85	0.20	2.40	4.00	4.79					
	0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01		1.00	0.25	0.06	0.10	0.12					
	1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.70	0.67	0.62	0.22	0.11	0.02		1.00	0.25	0.36	0.60	0.72					
	1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	1.10	1.06	1.00	0.42	0.24	0.08		1.00	0.25	0.51	0.85	1.02					
	0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.44	0.43	0.41	0.21	0.14	0.07		1.00	0.20	0.18	0.30	0.36					
	1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.77	0.73	0.67	0.22	0.09	0.01		1.00	0.25	0.42	0.70	0.84					
	0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24					
	8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	5.44	5.24	4.96	2.08	1.18	0.42		1.00	0.25	2.52	4.20	5.04					
	9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.76	6.59	6.33	3.29	2.20	1.13		1.00	0.20	2.76	4.60	5.52					
	2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.57	1.50	1.40	0.49	0.24	0.05		1.00	0.25	0.81	1.35	1.62					
	0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.41	0.40	0.38	0.17	0.11	0.04		1.00	0.20	0.18	0.30	0.36					
	1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.88	0.83	0.77	0.25	0.11	0.01		1.00	0.25	0.48	0.80	0.96					
	1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.65	0.62	0.59	0.25	0.14	0.05		1.00	0.20	0.30	0.50	0.60					
	5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.56	3.43	3.25	1.36	0.78	0.27		1.00	0.25	1.65	2.75	3.30					
	6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	5.00	4.87	4.68	2.43	1.63	0.84		1.00	0.20	2.04	3.40	4.08					
	1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	1.04	1.00	0.93	0.33	0.16	0.03		1.00	0.25	0.54	0.90	1.08					
	2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.71	1.65	1.57	0.72	0.44	0.18		1.00	0.20	0.75	1.25	1.50					
	0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36					
	0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06					
	6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.45	3.28	3.04	0.97	0.42	0.06		1.00	0.25	1.89	3.15	3.78					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100												
						AMC			P ₂₄ (Inches)							5.63								
						II	I	III	AMC 1/AMCII															
	0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36				
	1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.30	1.29	1.29	1.27	1.24	1.19		0.10	0.40	0.05	0.08	0.09				
	0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04				
	1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.46	1.45	1.43	1.41	1.35	1.28		0.10	0.25	0.05	0.08	0.10				
	1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.00	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07				
	0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05				
	3.8	OC1-6	S27.2	C	Public Park	69	50	86	2.01	1.91	1.78	1.56	1.17	0.80		0.85	0.25	0.97	1.62	1.94				
	2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.52	1.47	1.38	1.24	0.97	0.69		0.85	0.20	0.64	1.06	1.28				
	0.1	OC1-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.08	0.07	0.07	0.07	0.06	0.06		0.40	0.25	0.01	0.02	0.02				
	1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.27	0.23	0.18	0.00	0.00	0.00		1.00	0.40	0.42	0.70	0.84				
	2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.72	1.65	1.55	0.60	0.31	0.09		1.00	0.25	0.84	1.40	1.68				
	0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06				
	0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24				
	0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18				
	3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	1.97	1.89	1.76	0.62	0.30	0.06		1.00	0.25	1.02	1.70	2.04				
	0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.55	0.53	0.50	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.48				
	2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.28	0.26	0.24	0.23	0.22	0.21		0.90	0.40	0.65	1.08	1.30				
	0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.24	0.22	0.19	0.16	0.10	0.07		0.90	0.30	0.19	0.32	0.38				
	3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.76	1.67	1.54	1.32	0.95	0.60		0.90	0.25	0.95	1.58	1.89				
	1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.65	0.62	0.58	0.52	0.39	0.27		0.90	0.20	0.30	0.50	0.59				
	0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	1.10	1.05	0.98	0.35	0.17	0.04		1.00	0.25	0.57	0.95	1.14				
	0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.75	0.72	0.67	0.24	0.11	0.02		1.00	0.25	0.39	0.65	0.78				
	0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06				
	0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.07	0.07	0.04	0.02	0.01		1.00	0.20	0.03	0.05	0.06				
	1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.99	0.94	0.88	0.31	0.15	0.03		1.00	0.25	0.51	0.85	1.02				
	0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06				
	3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	2.15	2.05	1.91	0.67	0.33	0.07		1.00	0.25	1.11	1.85	2.22				
	1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.33	0.21		0.90	0.25	0.32	0.54	0.65				
	1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.79	0.76	0.73	0.68	0.58	0.49		0.60	0.25	0.22	0.36	0.43				
	0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.16	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18				
	0.3		S27.3	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15				
	0.4		S27.3	A	Public Park	32	17	52	0.07	0.06	0.06	0.06	0.06	0.05		0.85	0.40	0.10	0.17	0.20				
	0.6		S27.3	B	Public Park	56	36	76	0.22	0.21	0.19	0.16	0.11	0.08		0.85	0.30	0.15	0.26	0.31				
	1.1		S27.3	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07				
	1.2		S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.23	0.20	0.16	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72				
	4.9		S27.3	A	Open Brush, Fair	46	28	66	0.71	0.60	0.45	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94				
	5.4		S27.3	A	Woodland, Grass, Fair	44	26	64	0.67	0.55	0.40	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24				
	6.9		S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	2.51	2.31	2.03	0.21	0.00	0.00		1.00	0.30	2.07	3.45	4.14				
	9.2		S27.3	D	Woodland, Grass, Fair	82	66	95	6.12	5.91	5.60	2.46	1.45	0.56		1.00	0.20	2.76	4.60	5.52				
	9.3		S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	4.21	3.94	3.56	0.75	0.18	0.00		1.00	0.30	2.79	4.65	5.58				
	15.8		S27.3	D	Chaparral, Broadleaf, Fair	81	64	95	10.23	9.86	9.32	3.92	2.23	0.78		1.00	0.20	4.74	7.90	9.48				
	20.3		S27.3	D	Grass, Annual or Perennial, Fair	84	69	96	14.21	13.78	13.15	6.29	3.96	1.79		1.00	0.20	6.09	10.15	12.18				
	25.5		S27.3	B	Open Brush, Fair	66	46	84	10.39	9.64	8.60	1.33	0.16	0.00		1.00	0.30	7.65	12.75	15.30				
	27.2		S27.3	B	Woodland, Grass, Fair	65	45	83	10.67	9.88	8.77	1.18	0.09	0.00		1.00	0.30	8.16	13.60	16.32				
	29.1		S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	17.86	17.14	16.09	6.19	3.26	0.92		1.00	0.25	8.73	14.55	17.46				
	53.6		S27.3	D	Open Brush, Fair	83	67	96	36.57	35.40	33.67	15.46	9.44	3.97		1.00	0.20	16.08	26.80	32.16				
	66.8		S27.3	C	Woodland, Grass, Fair	77	59	92	38.77	37.04	34.54	12.18	5.87	1.23		1.00	0.25	20.04	33.40	40.08				
	90.8		S27.3	C	Open Brush, Fair	77	59	92	52.69	50.34	46.94	16.55	7.98	1.67		1.00	0.25	27.24	45.40	54.48				
	102.9		S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	56.34	53.58	49.60	15.84	8.86	0.91		1.00	0.25	30.87	51.45	61.74				
	0.7	S27.3-1	S27.3	A	Residential 5-7 dwellings/acre	32	17	52	0.34	0.34	0.33	0.33	0.32	0.31		0.50	0.40	0.11	0.18	0.21				
	0.9	S27.3-1	S27.3	B	Public Park	56	36	76	0.33	0.31	0.28	0.24	0.17	0.12		0.85	0.30	0.23	0.38	0.46				
	3.4	S27.3-1	S27.3	A	Commercial, Industrial	32	17	52	2.95	2.93	2.91	2.88	2.81	2.69		0.10	0.40	0.10	0.17	0.20				
	3.6	S27.3-1	S27.3	A	Woodland, Grass, Fair	44	26	64	0.44	0.37	0.27	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16				
	10.1	S27.3-1	S27.3	A	Public Park	32	17	52	1.65	1.56	1.47	1.43	1.39	1.33		0.85	0.40	2.58	4.29	5.15				
	17.4	S27.3-1	S27.3	A	Open Brush, Fair	46	28	66	2.52	2.12	1.60	0.00	0.00	0.00		1.00	0.40	5.22	8.70	10.44				
	0.2	S27.3-3	S27.3	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12				
	0.2>																							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCII								
	11.4	S27.3-3	S27.3	A	Woodland, Grass, Fair	44	26	64	1.41	1.16	0.85	0.00	0.00	0.00	1.00	0.40	3.42	5.70	6.84				
	11.8	S27.3-3	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	6.46	6.14	5.69	1.82	0.79	0.10	1.00	0.25	3.54	5.90	7.08				
	27.7	S27.3-3	S27.3	A	Open Brush, Fair	46	28	66	4.01	3.37	2.55	0.00	0.00	0.00	1.00	0.40	8.31	13.85	16.62				
	0.1	S27.3-4	S27.3	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01	0.85	0.40	0.03	0.04	0.05				
	0.1	S27.3-4	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00	1.00	0.40	0.03	0.05	0.06				
	0.2	S27.3-4	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.12	0.12	0.11	0.04	0.02	0.01	1.00	0.25	0.06	0.10	0.12				
	0.3	S27.3-4	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	0.14	0.13	0.11	0.02	0.01	0.00	1.00	0.30	0.09	0.15	0.18				
	0.3	S27.3-4	S27.3	C	Open Brush, Fair	77	59	92	0.17	0.17	0.16	0.05	0.03	0.01	1.00	0.25	0.09	0.15	0.18				
	0.4	S27.3-4	S27.3	A	Commercial, Industrial	32	17	52	0.35	0.34	0.34	0.34	0.33	0.32	0.10	0.40	0.01	0.02	0.02				
	0.5	S27.3-4	S27.3	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40	0.10	0.30	0.02	0.03	0.03				
	0.6	S27.3-4	S27.3	B	Woodland, Grass, Fair	65	45	83	0.24	0.22	0.19	0.03	0.00	0.00	1.00	0.30	0.18	0.30	0.36				
	0.6	S27.3-4	S27.3	A	Barren	78	61	93	0.36	0.34	0.32	0.12	0.06	0.01	1.00	0.40	0.18	0.30	0.36				
	0.6	S27.3-4	S27.3	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48	0.10	0.25	0.02	0.03	0.04				
	0.9	S27.3-4	S27.3	B	Open Brush, Fair	66	46	84	0.37	0.34	0.30	0.05	0.01	0.00	1.00	0.30	0.27	0.45	0.54				
	1.0	S27.3-4	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.52	0.48	0.15	0.07	0.01	1.00	0.25	0.30	0.50	0.60				
	1.3	S27.3-4	S27.3	C	Woodland, Grass, Fair	77	59	92	0.75	0.72	0.67	0.24	0.11	0.02	1.00	0.25	0.39	0.65	0.78				
	3.2	S27.3-4	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.65	0.57	0.46	0.00	0.00	0.00	1.00	0.40	0.96	1.60	1.92				
	3.7	S27.3-4	S27.3	A	Woodland, Grass, Fair	44	26	64	0.46	0.38	0.27	0.00	0.00	0.00	1.00	0.40	1.11	1.85	2.22				
	12.0	S27.3-4	S27.3	A	Open Brush, Fair	46	28	66	1.74	1.46	1.10	0.00	0.00	0.00	1.00	0.40	3.60	6.00	7.20				
	0.1	S27.3-5	S27.3	A	Row Crops, Poor	72	53	89	0.05	0.05	0.04	0.01	0.00	0.00	1.00	0.40	0.03	0.05	0.06				
	0.5	S27.3-5	S27.3	A	Public Park	32	17	52	0.08	0.08	0.07	0.07	0.07	0.07	0.85	0.40	0.13	0.21	0.26				
	0.5	S27.3-5	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.29	0.28	0.11	0.06	0.02	1.00	0.25	0.15	0.25	0.30				
	0.8	S27.3-5	S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	0.29	0.27	0.23	0.02	0.00	0.00	1.00	0.30	0.24	0.40	0.48				
	1.2	S27.3-5	S27.3	A	Woodland, Grass, Fair	44	26	64	0.15	0.12	0.09	0.00	0.00	0.00	1.00	0.40	0.36	0.60	0.72				
	1.5	S27.3-5	S27.3	B	Commercial, Industrial	56	36	76	1.34	1.33	1.31	1.29	1.25	1.19	0.10	0.30	0.05	0.08	0.09				
	2.5	S27.3-5	S27.3	A	Commercial, Industrial	32	17	52	2.17	2.16	2.14	2.12	2.06	1.98	0.10	0.40	0.08	0.13	0.15				
	2.6	S27.3-5	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.18	1.10	1.00	0.21	0.05	0.00	1.00	0.30	0.78	1.30	1.56				
	2.8	S27.3-5	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.53	0.46	0.37	0.00	0.00	0.00	1.00	0.40	0.84	1.40	1.68				
	5.4	S27.3-5	S27.3	A	Open Brush, Fair	46	28	66	0.78	0.66	0.50	0.00	0.00	0.00	1.00	0.40	1.62	2.70	3.24				
12800	6.2	S27.3-5	S27.3	B	Woodland, Grass, Fair	65	45	83	2.43	2.25	2.00	0.27	0.02	0.00	1.00	0.30	1.86	3.10	3.72				
12800	6.5	S27.3-5	S27.3	C	Woodland, Grass, Fair	77	59	92	3.77	3.60	3.36	1.19	0.57	0.12	1.00	0.25	1.95	3.25	3.90				
12800	6.7	S27.3-5	S27.3	B	Open Brush, Fair	66	46	84	2.73	2.53	2.26	0.35	0.04	0.00	1.00	0.30	2.01	3.35	4.02				
12800	12.0	S27.3-5	S27.3	C	Open Brush, Fair	77	59	92	6.96	6.65	6.20	2.19	1.05	0.22	1.00	0.25	3.60	6.00	7.20				
12800	20.3	S27.3-5	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	11.11	10.57	9.79	3.12	1.35	0.18	1.00	0.25	6.09	10.15	12.18				
12800	0.3	S27.3-6	S27.3	A	Row Crops, Poor	72	53	89	0.15	0.14	0.13	0.03	0.01	0.00	1.00	0.40	0.09	0.15	0.18				
12800	0.4	S27.3-6	S27.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00	1.00	0.30	0.12	0.20	0.24				
12800	0.4	S27.3-6	S27.3	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32	0.10	0.30	0.01	0.02	0.02				
12800	0.6	S27.3-6	S27.3	A	Commercial, Industrial	32	17	52	0.52	0.52	0.51	0.51	0.50	0.48	0.10	0.40	0.02	0.03	0.04				
12800	1.5	S27.3-6	S27.3	A	Open Brush, Fair	46	28	66	0.22	0.19	0.14	0.00	0.00	0.00	1.00	0.40	0.46	0.77	0.92				
12800	3.2	S27.3-6	S27.3	A	Public Park	32	17	52	0.53	0.50	0.47	0.46	0.45	0.43	0.85	0.40	0.83	1.38	1.65				
12800	3.9	S27.3-6	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.78	1.67	1.51	0.32	0.08	0.00	1.00	0.30	1.18	1.97	2.36				
12800	8.7	S27.3-6	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	1.67	1.45	1.15	0.00	0.00	0.00	1.00	0.40	2.62	4.37	5.24				
12800	10.3	S27.3-6	S27.3	A	Woodland, Grass, Fair	44	26	64	1.28	1.05	0.77	0.00	0.00	0.00	1.00	0.40	3.10	5.17	6.20				
12800	2.30	P501XX	S28.1	B	Barren	86	72	97	1.69	1.65	1.58	0.82	0.55	0.28	1.00	0.30	0.69	1.15	1.38				
12800	0.20	P501XX	S28.1	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05	1.00	0.25	0.06	0.10	0.12				
12800	0.07	P501XX	S28.1	D	Barren	93	83	99	0.06	0.06	0.06	0.04	0.03	0.02	1.00	0.20	0.02	0.03	0.04				
12901	10.20	P501XX	S28.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.58	5.31	4.92	1.57	0.68	0.09	1.00	0.25	3.06	5.10	6.12				
12901	0.35	P501XX	S28.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.21	0.09	0.05	0.02	1.00	0.20	0.11	0.18	0.21				
12901	0.10	P501XX	S28.1	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.08	0.08	0.08	0.10	0.30	0.00	0.00	0.01				
12901	0.40	P501XX	S28.1	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32	0.10	0.25	0.01	0.02	0.02				
12901	0.45	P501XX	S28.1	D	Commercial, Industrial	75	57	91	0.41	0.41	0.40	0.40	0.38	0.36	0.10	0.20	0.01	0.02	0.03				
12901	24.28	P501XX	S28.1	B	Grass, Annual or Perennial, Fair	69	50	86	10.99	10.29	9.31	1.97	0.48	0.00	1.00	0.30	7.28	12.14	14.57				
12901	9.91	P501XX	S28.1	C	Grass, Annual or Perennial, Fair	79	62	93	6.08	5.84	5.48	2.11	1.11	0.31	1.00	0.25	2.97	4.96	5.95				
12901	6.57	P501XX	S28.1	D	Grass, Annual or Perennial, Fair	84	69	96	4.59	4.46	4.25	2.03	1.28	0.58	1.00	0.20	1.97	3.28	3.94				
12901	0.10	P501XX	S28.1	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00	1.00	0.40	0.03	0.05	0.06				
12901	16.79	P501XX	S28.1	B	Open Brush, Fair	66	46	84	6.84	6.35	5.66	0.87	0.11	0.00	1.00	0.30	5.04	8.39	10.07				
12901	67.20	P501XX	S28.1	C	Open Brush, Fair	77	59	92	39.00	37.26	34.74	12.25	5.91	1.24	1.00	0.25	20.16	33.60	40.32				
12901	3.80	P501XX	S28.1	D	Open Brush, Fair	83	67	96	2.59	2.51	2.39	1.10	0.67	0.28	1.00	0.20	1.14	1.90	2.28				
12901	0.98	P501XX	S28.1	D	Public Park	75	57	91	0.60	0.58	0.54	0.49	0.38	0.27	0.85	0.20	0.25	0.42	0.50				
12901	17.47	P501XX	S28.1	B	Woodland, Grass, Fair	65	45	83	6.86	6.35	5.64	0.76	0.06	0.00	1.00	0.30	5.24	8.74	10.48				
PA5 Line XX	55.75	P501XX	S28.1	C	Woodland, Grass, Fair	77	59	92	32.35	30.91	28.82	10.16	4.90	1.03	1.00	0.25	16.72	27.87	33.45				
PA5 Line XX	6.29	P501XX	S28.1	D	Woodland, Grass, Fair	82	66	95	4.18	4.													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100									
								AMC				P ₂₄ (Inches)											
II	I	III																					
								AMC 1/AMCI				5.63											
PA5 Line XX	39.55	P503XX	S29.2-2	C	Open Brush, Fair	77	59	92	22.95	21.93	20.45	7.21	3.48	0.73		1.00	0.25	11.87	19.78	23.73			
PA5 Line XX	19.10	P503XX	S29.2-2	D	Open Brush, Fair	83	67	96	13.03	12.61	12.00	5.51	3.36	1.41		1.00	0.20	5.73	9.55	11.46			
PA5 Line XX	18.40	P503XX	S29.2-2	D	Public Park	75	57	91	11.21	10.78	10.17	9.10	7.16	5.10		0.85	0.20	4.69	7.82	9.38			
PA5 Line XX	5.30	P503XX	S29.2-2	B	Woodland, Grass, Fair	65	45	83	2.08	1.93	1.71	0.23	0.02	0.00		1.00	0.30	1.59	2.65	3.18			
PA5 Line XX	34.70	P503XX	S29.2-2	C	Woodland, Grass, Fair	77	59	92	20.14	19.24	17.94	6.33	3.05	0.64		1.00	0.25	10.41	17.35	20.82			
PA5 Line XX	1.30	P503XX	S29.2-2	D	Woodland, Grass, Fair	82	66	95	0.86	0.83	0.79	0.35	0.21	0.08		1.00	0.20	0.39	0.65	0.78			
PA5 Line XX	6.20		S29.1	C	Chaparral, Broadleaf, Fair	75	57	91	3.39	3.23	2.99	0.95	0.41	0.05		1.00	0.25	1.86	3.10	3.72			
PA5 Line XX	0.40		S29.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24			
PA5 Line XX	0.30		S29.1	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		0.10	0.40	0.01	0.02	0.02			
PA5 Line XX	5.30		S29.1	B	Commercial, Industrial	56	36	76	4.72	4.69	4.65	4.56	4.41	4.20		0.10	0.30	0.16	0.27	0.32			
PA5 Line XX	23.30		S29.1	C	Commercial, Industrial	69	50	86	21.19	21.05	20.85	20.47	19.70	18.67		0.10	0.25	0.70	1.17	1.40			
PA5 Line XX	2.60		S29.1	D	Commercial, Industrial	75	57	91	2.39	2.37	2.35	2.31	2.22	2.10		0.10	0.20	0.08	0.13	0.16			
PA5 Line XX	8.20		S29.1	B	Grass, Annual or Perennial, Fair	69	50	86	3.71	3.48	3.14	0.66	0.16	0.00		1.00	0.30	2.46	4.10	4.92			
PA5 Line XX	37.40		S29.1	C	Grass, Annual or Perennial, Fair	79	62	93	22.95	22.03	20.68	7.96	4.18	1.18		1.00	0.25	11.22	18.70	22.44			
PA5 Line XX	21.60		S29.1	D	Grass, Annual or Perennial, Fair	84	69	96	15.12	14.66	13.99	6.69	4.22	1.90		1.00	0.20	6.48	10.80	12.96			
PA5 Line XX	0.20		S29.1	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
PA5 Line XX	32.30		S29.1	C	Open Brush, Fair	77	59	92	18.74	17.91	16.70	5.89	2.84	0.60		1.00	0.25	9.69	16.15	19.38			
PA5 Line XX	1.60		S29.1	D	Open Brush, Fair	83	67	96	1.09	1.06	1.01	0.46	0.28	0.12		1.00	0.20	0.48	0.80	0.96			
PA5 Line XX	21.60		S29.1	A	Public Park	32	17	52	3.52	3.34	3.15	3.05	2.97	2.85		0.85	0.40	5.51	9.18	11.02			
PA5 Line XX	32.10		S29.1	B	Public Park	56	36	76	11.90	11.12	10.06	8.42	6.02	4.40		0.85	0.30	8.19	13.64	16.37			
PA5 Line XX	136.90		S29.1	C	Public Park	69	50	86	72.39	68.98	64.14	56.08	42.21	28.82		0.85	0.25	34.91	58.18	69.82			
PA5 Line XX	9.40		S29.1	D	Public Park	75	57	91	5.73	5.51	5.19	4.65	3.66	2.60		0.85	0.20	2.40	4.00	4.79			
PA5 Line XX	268.30		S29.1	C	Residential 1 acre lots	69	50	86	148.69	142.34	133.33	118.29	92.33	67.04		0.80	0.25	64.39	107.32	128.78			
PA5 Line XX	67.40		S29.1	D	Residential 1 acre lots	75	57	91	42.47	40.97	38.82	35.11	28.33	21.07		0.80	0.20	16.18	26.96	32.35			
12903	1.30		S29.1	B	Residential 2 dwellings/acre	56	36	76	0.62	0.59	0.55	0.50	0.41	0.35		0.70	0.30	0.27	0.46	0.55			
12903	77.00		S29.1	C	Residential 2 dwellings/acre	69	50	86	46.58	44.95	42.64	38.76	32.02	25.31		0.70	0.25	16.17	26.95	32.34			
12903	28.80		S29.1	D	Residential 2 dwellings/acre	75	57	91	19.34	18.76	17.94	16.51	13.90	11.04		0.70	0.20	6.05	10.08	12.10			
12903	20.00		S29.1	B	Residential 3-4 dwellings/acre	56	36	76	10.88	10.52	10.02	9.24	8.04	7.11		0.60	0.30	3.60	6.00	7.20			
12903	159.90		S29.1	C	Residential 3-4 dwellings/acre	69	50	86	104.85	101.87	97.63	90.49	77.94	65.15		0.60	0.25	28.78	47.97	57.56			
12903	13.90		S29.1	D	Residential 3-4 dwellings/acre	75	57	91	9.91	9.66	9.31	8.70	7.57	6.32		0.60	0.20	2.50	4.17	5.00			
12903	8.30		S29.1	B	Residential 5-7 dwellings/acre	56	36	76	5.09	4.96	4.78	4.50	4.05	3.68		0.50	0.30	1.25	2.08	2.49			
12903	37.00		S29.1	C	Residential 5-7 dwellings/acre	69	50	86	26.14	25.54	24.69	23.25	20.69	17.99		0.50	0.25	5.55	9.25	11.10			
12903	4.20		S29.1	D	Residential 5-7 dwellings/acre	75	57	91	3.17	3.10	3.01	2.85	2.55	2.21		0.50	0.20	0.63	1.05	1.26			
12903	1.30		S29.1	A	Residential 8-10 dwellings/acre	32	17	52	0.76	0.75	0.74	0.73	0.72	0.69		0.40	0.40	0.16	0.26	0.31			
12903	11.30		S29.1	B	Residential 8-10 dwellings/acre	56	36	76	7.72	7.57	7.36	7.03	6.48	5.99		0.40	0.30	1.36	2.26	2.71			
12903	54.80		S29.1	C	Residential 8-10 dwellings/acre	69	50	86	41.50	40.75	39.69	37.87	34.56	30.96		0.40	0.25	6.58	10.96	13.15			
12903	15.40		S29.1	D	Residential 8-10 dwellings/acre	75	57	91	12.25	12.05	11.76	11.26	10.30	9.18		0.40	0.20	1.85	3.08	3.70			
12903	0.50		S29.1	B	Woodland, Grass, Fair	65	45	83	0.20	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
12903	8.40		S29.1	C	Woodland, Grass, Fair	77	59	92	4.87	4.66	4.34	1.53	0.74	0.15		1.00	0.25	2.52	4.20	5.04			
12903	3.50		S29.1	D	Woodland, Grass, Fair	82	66	95	2.33	2.25	2.13	0.94	0.55	0.21		1.00	0.20	1.05	1.75	2.10			
12903	0.22	P504XX	S29.2	B	Barren	86	72	97	0.16	0.16	0.15	0.08	0.05	0.03		1.00	0.30	0.07	0.11	0.13			
12903	4.49	P504XX	S29.2	C	Barren	91	80	98	3.71	3.65	3.56	2.27	1.74	1.15		1.00	0.25	1.35	2.25	2.69			
12903	0.02	P504XX	S29.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01			
	1.01	P504XX	S29.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.56	0.53	0.49	0.16	0.07	0.01		1.00	0.25	0.30	0.51	0.61			
	0.45	P504XX	S29.2	B	Commercial, Industrial	56	36	76	0.40	0.39	0.39	0.38	0.37	0.35		0.10	0.30	0.01	0.02	0.03			
	1.36	P504XX	S29.2	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.15	1.09		0.10	0.25	0.04	0.07	0.08			
	2.89	P504XX	S29.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.31	1.22	1.11	0.23	0.06	0.00		1.00	0.30	0.87	1.44	1.73			
	20.30	P504XX	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	12.46	11.96	11.22	4.32	2.27	0.64		1.00	0.25	6.09	10.15	12.18			
	1.51	P504XX	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.06	1.03	0.98	0.47	0.30	0.13		1.00	0.20	0.45	0.76	0.91			
	1.47	P504XX	S29.2	D	Meadows or Cienegas, Fair	84	69	96	1.03	1.00	0.96	0.46	0.29	0.13		1.00	0.20	0.44	0.74	0.88			
	2.33	P504XX	S29.2	B	Open Brush, Fair	66	46	84	0.95	0.88	0.79	0.12	0.01	0.00		1.00	0.30	0.70	1.16	1.40			
	11.34	P504XX	S29.2	C	Open Brush, Fair	77	59	92	6.58	6.29	5.86	2.07	1.00	0.21		1.00	0.25	3.40	5.67	6.80			
	10.50	P504XX	S29.2	D	Open Brush, Fair	83	67	96	7.16	6.93	6.60	3.03	1.85	0.78		1.00	0.20	3.15	5.25	6.30			
	1.18	P504XX	S29.2	D	Public Park	75	57	91	0.72	0.69	0.65	0.58	0.46	0.33		0.85	0.20	0.30	0.50	0.60			
	0.42	P504XX	S29.2	B	Row Crops, Good	78	61	93	0.25	0.24	0.22	0.08	0.04	0.01		1.00	0.30	0.12	0.21	0.25			
	0.03	P504XX	S29.2	C	Row Crops, Good	85	70	97	0.02	0.02	0.02	0.01	0.01	0.00		1.00	0.25	0.01	0.02	0.02			
	2.22	P504XX	S29.2	B	Woodland, Grass, Fair	65	45	83	0.87	0.81	0.72	0.10	0.01	0.00		1.00	0.30	0.67	1.11	1.33			
	8.73	P504XX	S29.2	C	Woodland, Grass, Fair	77	59	92	5.07	4.84	4.51	1.59	0.77	0.16		1.00	0.25	2.62	4.37	5.24			
	0.22	P504XX	S29.2	D	Woodland, Grass, Fair	82	66	95	0.15	0.14	0.14	0.06	0.04	0.									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)							5.63										
						II	I	III																		
	0.1	B-23	S29.3	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05						
	0.2	B-23	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06						
	0.1	B-23	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03						
	0.5	B-23	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.34	0.33	0.33	0.31	0.29	0.27		0.40	0.30	0.06	0.10	0.12						
	1.4	B-23	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	1.06	1.04	1.01	0.97	0.88	0.79		0.40	0.25	0.17	0.28	0.34						
	7.4	B-23	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	5.88	5.79	5.65	5.41	4.95	4.41		0.40	0.20	0.89	1.48	1.78						
	3.2	B-27	S29.3	B	Commercial, Industrial	56	36	76	2.85	2.83	2.80	2.76	2.66	2.54		0.10	0.30	0.10	0.16	0.19						
	0.7	B-27	S29.3	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04						
	0.9	B-27	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.74	0.73	0.72	0.70	0.67	0.63		0.20	0.30	0.05	0.09	0.11						
	0.3	B-27	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04						
	2.0	B-28	S29.3	A	Commercial, Industrial	32	17	52	1.73	1.72	1.71	1.69	1.65	1.58		0.10	0.40	0.06	0.10	0.12						
	4.6	B-28	S29.3	B	Commercial, Industrial	56	36	76	4.10	4.07	4.03	3.96	3.82	3.65		0.10	0.30	0.14	0.23	0.28						
	5.6	B-28	S29.3	C	Commercial, Industrial	69	50	86	5.09	5.06	5.01	4.92	4.74	4.49		0.10	0.25	0.17	0.28	0.34						
	1.6	B-28	S29.3	C	Open Brush, Fair	77	59	92	0.93	0.89	0.83	0.29	0.14	0.03		1.00	0.25	0.48	0.80	0.96						
	0.7	B-28	S29.3	B	Orchards, Evergreen, Fair	65	45	83	0.27	0.25	0.23	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42						
	0.2	B-28	S29.3	D	Orchards, Evergreen, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12						
	7.3	B-28	S29.3	B	Public Park	56	36	76	2.71	2.53	2.29	1.92	1.37	1.00		0.85	0.30	1.86	3.10	3.72						
	0.8	B-28	S29.3	C	Public Park	69	50	86	0.42	0.40	0.37	0.33	0.25	0.17		0.85	0.25	0.20	0.34	0.41						
	0.2	B-28	S29.3	D	Public Park	75	57	91	0.12	0.12	0.11	0.10	0.08	0.06		0.85	0.20	0.05	0.09	0.10						
	0.1	B-28	S29.3	A	Residential 2.5 acre lots	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.90	0.40	0.03	0.05	0.05						
	4.0	B-28	S29.3	B	Residential 2.5 acre lots	56	36	76	1.34	1.24	1.10	0.89	0.58	0.37		0.90	0.30	1.08	1.80	2.16						
	4.2	B-28	S29.3	C	Residential 2.5 acre lots	69	50	86	2.11	2.00	1.85	1.59	1.14	0.72		0.90	0.25	1.13	1.89	2.27						
	2.3	B-28	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	1.41	1.37	1.33	1.25	1.12	1.02		0.50	0.30	0.35	0.58	0.69						
	0.5	B-28	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.35	0.35	0.33	0.31	0.28	0.24		0.50	0.25	0.08	0.13	0.15						
	0.1	B-28	S29.3	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06						
	0.4	B-28	S29.3	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01		1.00	0.25	0.12	0.20	0.24						
	0.3	B-5	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02						
	0.3	B-5	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02						
	0.2	B-5	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.16	0.16	0.16	0.16	0.15	0.14		0.20	0.30	0.01	0.02	0.02						
	0.6	B-5	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07						
	0.1	B-5	S29.3	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05						
	0.4	B-6	S29.3	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02						
	0.5	B-6	S29.3	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03						
	0.8	B-6	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10						
	0.4	B-6	S29.3	B	Residential 2.5 acre lots	56	36	76	0.13	0.12	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22						
	1.2	B-6	S29.3	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.33	0.21		0.90	0.25	0.32	0.54	0.65						
	0.3	B-7	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02						
	0.4	B-7	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02						
	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		0.20	0.30	0.01	0.01	0.01						
	0.3	B-7	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.26	0.26	0.25	0.24	0.23	0.22		0.20	0.25	0.02	0.03	0.04						
	0.2	B-7	S29.3	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.06	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11						
	1.5	B-7	S29.3	C	Residential 2.5 acre lots	69	50	86	0.76	0.72	0.66	0.57	0.41	0.26		0.90	0.25	0.41	0.68	0.81						
	0.7	B-8	S29.3	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04						
	2.5	B-8	S29.3	C	Commercial, Industrial	69	50	86	2.27	2.26	2.24	2.20	2.11	2.00		0.10	0.25	0.08	0.13	0.15						
	0.3	B-8	S29.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02						
	0.3	B-8	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.23	0.22	0.21		0.20	0.30	0.02	0.03	0.04						
	0.1	B-8	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01						
	0.2	B-8	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02						
	2.6	B-8	S29.3	B	Residential 2.5 acre lots	56	36	76	0.87	0.81	0.72	0.58	0.38	0.24		0.90	0.30	0.70	1.17	1.40						
	9.3	B-8	S29.3	C	Residential 2.5 acre lots	69	50	86	4.68	4.44	4.09	3.52	2.53	1.59		0.90	0.25	2.51	4.19	5.02						
	1.5	B-8	S29.3	D	Residential 2.5 acre lots	75	57	91	0.88	0.85	0.79	0.70	0.54	0.36		0.90	0.20	0.41	0.68	0.81						
	2.4	B-9	S29.3	B	Commercial, Industrial	56	36	76	2.14	2.12	2.10	2.07	2.00	1.90		0.10	0.30	0.07	0.12	0.14						
	0.2	B-9	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01						
	0.3	B-9	S29.3	D	Commercial, Industrial	75	57	91	0.23	0.23	0.23	0.22	0.21	0.20		0.10	0.20	0.01	0.01	0.02						
	2.1	B-9	S29.3	B	Residential 2.5 acre lots	56	36	76	0.69	0.64	0.57	0.46	0.30	0.19		0.90	0.30	0.55	0.92	1.11						
	0.3	B-9	S29.3	C	Residential 2.5 acre lots	69																				

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PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III				AMC 1/AMCII											
	37.38		S30	B	Open Brush, Fair	66	46	84	15.22	14.14	12.61	1.94	0.24	0.00		1.00	0.30	11.21	18.69	22.43			
	452.58		S30	C	Open Brush, Fair	77	59	92	262.65	250.93	233.98	82.51	39.78	8.34		1.00	0.25	135.77	226.29	271.55			
	8.00		S30	D	Open Brush, Fair	83	67	96	5.46	5.28	5.03	2.31	1.41	0.59		1.00	0.20	2.40	4.00	4.80			
	20.05		S30	B	Orchards, Evergreen, Fair	65	45	83	7.87	7.28	6.47	0.87	0.07	0.00		1.00	0.30	6.02	10.03	12.03			
	35.24		S30	C	Orchards, Evergreen, Fair	77	59	92	20.45	19.54	18.22	6.42	3.10	0.65		1.00	0.25	10.57	17.62	21.14			
	3.87		S30	A	Public Park	32	17	52	0.63	0.60	0.56	0.55	0.53	0.51		0.85	0.40	0.99	1.64	1.97			
	16.21		S30	B	Public Park	56	36	76	6.01	5.62	5.08	4.25	3.04	2.22		0.85	0.30	4.13	6.89	8.27			
	14.26		S30	C	Public Park	69	50	86	7.54	7.19	6.68	5.84	4.40	3.00		0.85	0.25	3.64	6.06	7.27			
	0.76		S30	D	Public Park	75	57	91	0.46	0.45	0.42	0.38	0.30	0.21		0.85	0.20	0.19	0.32	0.39			
	38.41		S30	B	Residential 1 acre lots	56	36	76	15.57	14.68	13.48	11.61	8.85	6.94		0.80	0.30	9.22	15.36	18.44			
	29.50		S30	C	Residential 1 acre lots	69	50	86	16.35	15.65	14.66	13.01	10.15	7.37		0.80	0.25	7.08	11.80	14.16			
	7.64		S30	A	Residential 2 dwellings/acre	32	17	52	2.32	2.26	2.20	2.16	2.10	2.02		0.70	0.40	1.60	2.67	3.21			
	96.41		S30	B	Residential 2 dwellings/acre	56	36	76	45.77	43.78	41.08	36.85	30.49	25.85		0.70	0.30	20.25	33.74	40.49			
	125.34		S30	C	Residential 2 dwellings/acre	69	50	86	75.83	73.17	69.41	63.10	52.11	41.19		0.70	0.25	26.32	43.87	52.64			
	23.54		S30	D	Residential 2 dwellings/acre	75	57	91	15.80	15.34	14.66	13.50	11.36	9.03		0.70	0.20	4.94	8.24	9.89			
	1.01		S30	A	Residential 3-4 dwellings/acre	32	17	52	0.40	0.39	0.39	0.38	0.37	0.36		0.60	0.40	0.18	0.30	0.36			
	86.85		S30	B	Residential 3-4 dwellings/acre	56	36	76	47.26	45.68	43.52	40.13	34.92	30.88		0.60	0.30	15.63	26.06	31.27			
	144.00		S30	C	Residential 3-4 dwellings/acre	69	50	86	94.43	91.74	87.93	81.50	70.19	58.67		0.60	0.25	25.92	43.20	51.84			
	14.92		S30	D	Residential 3-4 dwellings/acre	75	57	91	10.63	10.37	9.99	9.34	8.13	6.78		0.60	0.20	2.69	4.48	5.37			
	1.95		S30	A	Residential 5-7 dwellings/acre	32	17	52	0.96	0.95	0.93	0.92	0.89	0.86		0.50	0.40	0.29	0.49	0.59			
	99.54		S30	B	Residential 5-7 dwellings/acre	56	36	76	61.07	59.50	57.36	53.94	48.57	44.09		0.50	0.30	14.93	24.89	29.86			
	131.14		S30	C	Residential 5-7 dwellings/acre	69	50	86	92.65	90.54	87.52	82.42	73.32	63.76		0.50	0.25	19.67	32.79	39.34			
	12.10		S30	D	Residential 5-7 dwellings/acre	75	57	91	9.12	8.94	8.67	8.21	7.34	6.36		0.50	0.20	1.82	3.03	3.63			
	19.70		S30	B	Residential 8-10 dwellings/acre	56	36	76	13.45	13.19	12.83	12.25	11.30	10.45		0.40	0.30	2.36	3.94	4.73			
	7.60		S30	C	Residential 8-10 dwellings/acre	69	50	86	5.76	5.65	5.50	5.25	4.79	4.29		0.40	0.25	0.91	1.52	1.82			
	12.71		S30	B	School	56	36	76	6.92	6.68	6.37	5.87	5.11	4.52		0.60	0.30	2.29	3.81	4.58			
	9.16		S30	C	School	69	50	86	6.01	5.84	5.59	5.18	4.46	3.73		0.60	0.25	1.65	2.75	3.30			
	23.69		S30	A	Turf, Good	33	17	53	0.67	0.42	0.15	0.00	0.00	0.00		1.00	0.40	7.11	11.85	14.21			
	117.50		S30	B	Turf, Good	58	38	77	34.47	31.13	26.57	19.45	8.83	1.46		1.00	0.30	35.25	58.75	70.50			
	22.40		S30	C	Turf, Good	72	53	89	11.19	10.56	9.67	8.16	5.51	2.87		1.00	0.25	6.72	11.20	13.44			
	3.50		S30	D	Turf, Good	79	62	93	2.15	2.06	1.94	1.72	1.30	0.84		1.00	0.20	1.05	1.75	2.10			
	0.51		S30	A	Water	98	95	100	0.49	0.49	0.49	0.48	0.47	0.45		0.00	0.40	0.00	0.00	0.00			
	14.50		S30	B	Water	98	95	100	13.93	13.87	13.80	13.65	13.30	12.76		0.00	0.30	0.00	0.00	0.00			
	1.56		S30	C	Water	98	95	100	1.50	1.49	1.48	1.47	1.43	1.37		0.00	0.25	0.00	0.00	0.00			
	2.35		S30	D	Water	98	95	100	2.26	2.25	2.24	2.21	2.16	2.07		0.00	0.20	0.00	0.00	0.00			
	24.20		S30	A	Woodland, Grass, Fair	44	26	64	2.98	2.46	1.79	0.00	0.00	0.00		1.00	0.40	7.26	12.10	14.52			
	31.86		S30	B	Woodland, Grass, Fair	65	45	83	12.50	11.57	10.28	1.39	0.11	0.00		1.00	0.30	9.56	15.93	19.12			
	46.40		S30	C	Woodland, Grass, Fair	77	59	92	26.93	25.73	23.99	8.46	4.08	0.86		1.00	0.25	13.92	23.20	27.84			
	0.01		S30	D	Woodland, Grass, Fair	82	66	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.20	0.00	0.01	0.01			
	5.17		S31	B	Chaparral, Broadleaf, Fair	63	43	81	1.88	1.73	1.52	0.16	0.00	0.00		1.00	0.30	1.55	2.59	3.10			
	18.15		S31	C	Chaparral, Broadleaf, Fair	75	57	91	9.94	9.45	8.75	2.79	1.21	0.16		1.00	0.25	5.45	9.08	10.89			
	12.74		S31	D	Chaparral, Broadleaf, Fair	81	64	95	8.25	7.95	7.52	3.16	1.80	0.63		1.00	0.20	3.82	6.37	7.64			
	2.64		S31	B	Chaparral, Narrowleaf, Fair	72	53	89	1.32	1.24	1.14	0.30	0.11	0.00		1.00	0.30	0.79	1.32	1.58			
	23.13		S31	C	Chaparral, Narrowleaf, Fair	81	64	95	14.98	14.44	13.65	5.73	3.26	1.15		1.00	0.25	6.94	11.57	13.88			
	3.78		S31	D	Chaparral, Narrowleaf, Fair	86	72	97	2.78	2.71	2.60	1.35	0.91	0.46		1.00	0.20	1.13	1.89	2.27			
	0.16		S31	C	Commercial, Industrial	69	50	86	0.15	0.14	0.14	0.14	0.14	0.13		0.10	0.25	0.00	0.01	0.01			
	0.84		S31	D	Commercial, Industrial	75	57	91	0.77	0.77	0.76	0.75	0.72	0.68		0.10	0.20	0.03	0.04	0.05			
	0.55		S31	A	Condominiums	32	17	52	0.35	0.34	0.34	0.34	0.33	0.31		0.35	0.40	0.06	0.10	0.12			
	0.95		S31	B	Condominiums	56	36	76	0.68	0.67	0.65	0.63	0.59	0.55		0.35	0.30	0.10	0.17	0.20			
	13.97		S31	C	Condominiums	69	50	86	10.93	10.76	10.51	10.09	9.31	8.44		0.35	0.25	1.47	2.44	2.93			
	0.00		S31	D	Condominiums	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.20	0.00	0.00	0.00			
	4.75		S31	B	Fallow	86	72	97	3.49	3.40	3.27	1.70	1.14	0.58		1.00	0.30	1.43	2.38	2.85			
	20.45		S31	C	Fallow	91	80	98	16.90	16.62	16.20	10.34	7.94	5.22		1.00	0.25	6.14	10.23	12.27			
	0.81		S31	D	Fallow	94	85	99	0.72	0.71	0.70	0.50	0.41	0.31		1.00	0.20	0.24	0.41	0.49			
	3.48		S31	B	Grass, Annual or Perennial, Fair	69	50	86	1.58	1.48	1.33	0.28	0.07	0.00		1.00	0.30	1.04	1.74	2.09			
	36.54		S31	C	Grass, Annual or Perennial, Fair	79	62	93	22.43	21.52	20.21	7.77	4.09	1.15		1.00	0.25	10.96	18.27	21.92			
	1.39		S31	D	Grass, Annual or Perennial, Fair	84	69	96	0.97	0.94	0.90	0.43	0.27	0.12		1.00	0.20	0.42	0.70	0.83			
	0.07		S31	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.04			
	27.57		S31	B	Open Brush, Fair	66	46	84	11.23	10.43	9.30	1.43	0.17	0.00		1.00	0.30	8.27	13.79	16.54			
	420.56		S31	C	Open Brush, Fair	77	59	92	244.07	233.18	217.43	76.67	36.96	7.75		1.00	0.25	126.17	210.28	252.34			
	21.02		S31	D	Open Brush, Fair	83	67	96	14.34	13.88	13.21	6.06	3.70	1.56		1.00	0.20	6.31	10.51	12.61			
	16.33		S31	A	Public Park	32	17	52	2.66	2.52	2.38	2.31	2.25	2.16		0.85	0.40	4.16	6.94	8.33			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100												
						AMC			P ₂₄ (Inches)															
						II	I	III																

	103.79		S31	B	Residential 3-4 dwellings/acre	56	36	76	56.47	54.59	52.01	47.96	41.73	36.90		0.60	0.30	18.68	31.14	37.36	
	103.53		S31	C	Residential 3-4 dwellings/acre	69	50	86	67.89	65.96	63.22	58.59	50.46	42.18		0.60	0.25	18.64	31.06	37.27	
	2.40		S31	D	Residential 3-4 dwellings/acre	75	57	91	1.71	1.67	1.61	1.50	1.31	1.09		0.60	0.20	0.43	0.72	0.86	
	12.16		S31	A	Residential 5-7 dwellings/acre	32	17	52	5.98	5.90	5.81	5.72	5.58	5.35		0.50	0.40	1.82	3.04	3.65	
	148.36		S31	B	Residential 5-7 dwellings/acre	56	36	76	91.02	88.69	85.49	80.40	72.39	65.71		0.50	0.30	22.25	37.09	44.51	
	167.09		S31	C	Residential 5-7 dwellings/acre	69	50	86	118.05	115.36	111.52	105.01	93.41	81.23		0.50	0.25	25.06	41.77	50.13	
	7.77		S31	D	Residential 5-7 dwellings/acre	75	57	91	5.86	5.74	5.57	5.27	4.71	4.08		0.50	0.20	1.17	1.94	2.33	
	28.80		S31	A	Row Crops, Poor	72	53	89	14.38	13.58	12.43	3.31	1.15	0.03		1.00	0.40	8.64	14.40	17.28	
	3.32		S31	B	Row Crops, Poor	81	64	95	2.15	2.07	1.96	0.82	0.47	0.16		1.00	0.30	1.00	1.66	1.99	
	6.60		S31	C	Row Crops, Poor	88	75	98	5.09	4.98	4.81	2.72	1.93	1.11		1.00	0.25	1.98	3.30	3.96	
	1.34		S31	D	Row Crops, Poor	91	80	98	1.11	1.09	1.06	0.68	0.52	0.34		1.00	0.20	0.40	0.67	0.80	
	6.21		S31	B	School	56	36	76	3.38	3.27	3.11	2.87	2.50	2.21		0.60	0.30	1.12	1.86	2.24	
	11.04		S31	C	School	69	50	86	7.24	7.03	6.74	6.25	5.38	4.50		0.60	0.25	1.99	3.31	3.97	
	3.90		S31	D	School	75	57	91	2.78	2.71	2.61	2.44	2.12	1.77		0.60	0.20	0.70	1.17	1.40	
	51.85		S31	A	Turf, Good	33	17	53	1.47	0.91	0.34	0.00	0.00	0.00		1.00	0.40	15.56	25.93	31.11	
	114.80		S31	B	Turf, Good	58	38	77	33.68	30.41	25.96	19.00	8.63	1.42		1.00	0.30	34.44	57.40	68.88	
	33.86		S31	C	Turf, Good	72	53	89	16.91	15.96	14.61	12.33	8.33	4.34		1.00	0.25	10.16	16.93	20.32	
	0.44		S31	D	Turf, Good	79	62	93	0.27	0.26	0.24	0.22	0.16	0.11		1.00	0.20	0.13	0.22	0.26	
	33.60		S31	A	Woodland, Grass, Fair	44	26	64	4.14	3.42	2.49	0.00	0.00	0.00		1.00	0.40	10.08	16.80	20.16	
	26.08		S31	B	Woodland, Grass, Fair	65	45	83	10.23	9.47	8.41	1.13	0.09	0.00		1.00	0.30	7.82	13.04	15.65	
	48.80		S31	C	Woodland, Grass, Fair	77	59	92	28.32	27.06	25.23	8.90	4.29	0.90		1.00	0.25	14.64	24.40	29.28	
	1.07		S31	D	Woodland, Grass, Fair	82	66	95	0.71	0.69	0.65	0.29	0.17	0.07		1.00	0.20	0.32	0.54	0.64	
	1.50		S32	C	Barren	91	80	98	1.24	1.22	1.19	0.76	0.58	0.38		1.00	0.25	0.45	0.75	0.90	
	0.60		S32	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36	
	10.15		S32	B	Commercial, Industrial	56	36	76	9.04	8.98	8.90	8.74	8.44	8.04		0.10	0.30	0.30	0.51	0.61	
	0.33		S32	C	Commercial, Industrial	69	50	86	0.30	0.30	0.30	0.29	0.28	0.26		0.10	0.25	0.01	0.02	0.02	
	4.83		S32	D	Commercial, Industrial	75	57	91	4.44	4.41	4.37	4.29	4.13	3.91		0.10	0.20	0.14	0.24	0.29	
	8.06		S32	B	Condominiums	56	36	76	5.78	5.69	5.55	5.33	4.97	4.63		0.35	0.30	0.85	1.41	1.69	
	7.30		S32	C	Condominiums	69	50	86	5.71	5.62	5.49	5.27	4.87	4.41		0.35	0.25	0.77	1.28	1.53	
	0.90		S32	A	Fallow	77	59	92	0.52	0.50	0.47	0.16	0.08	0.02		1.00	0.40	0.27	0.45	0.54	
	1.13		S32	B	Fallow	86	72	97	0.83	0.81	0.78	0.40	0.27	0.14		1.00	0.30	0.34	0.57	0.68	
	3.76		S32	C	Fallow	91	80	98	3.11	3.06	2.98	1.90	1.46	0.96		1.00	0.25	1.13	1.88	2.26	
	2.57		S32	D	Fallow	94	85	99	2.27	2.24	2.21	1.59	1.31	0.98		1.00	0.20	0.77	1.29	1.54	
	0.13		S32	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.04	0.07	0.08	
	75.47		S32	B	Grass, Annual or Perennial, Fair	69	50	86	34.16	31.99	28.93	6.11	1.49	0.00		1.00	0.30	22.64	37.74	45.28	
	143.60		S32	C	Grass, Annual or Perennial, Fair	79	62	93	88.13	84.58	79.41	30.54	16.06	4.53		1.00	0.25	43.08	71.80	86.16	
	7.85		S32	D	Grass, Annual or Perennial, Fair	84	69	96	5.49	5.33	5.08	2.43	1.53	0.69		1.00	0.20	2.36	3.93	4.71	
	25.40		S32	B	Open Brush, Fair	66	46	84	10.34	9.61	8.57	1.32	0.16	0.00		1.00	0.30	7.62	12.70	15.24	
	310.79		S32	C	Open Brush, Fair	77	59	92	180.36	172.32	160.68	56.66	27.31	5.73		1.00	0.25	93.24	155.40	186.47	
	7.06		S32	D	Open Brush, Fair	83	67	96	4.82	4.66	4.44	2.04	1.24	0.52		1.00	0.20	2.12	3.53	4.24	
	19.85		S32	B	Public Park	56	36	76	7.36	6.88	6.22	5.21	3.72	2.72		0.85	0.30	5.06	8.44	10.12	
	5.35		S32	C	Public Park	69	50	86	2.83	2.70	2.51	2.19	1.65	1.13		0.85	0.25	1.36	2.27	2.73	
	5.96		S32	D	Public Park	75	57	91	3.63	3.49	3.29	2.95	2.32	1.65		0.85	0.20	1.52	2.53	3.04	
	30.31		S32	C	Residential 2 dwellings/acre	69	50	86	18.34	17.70	16.79	15.26	12.60	9.96		0.70	0.25	6.37	10.61	12.73	
	1.81		S32	D	Residential 2 dwellings/acre	75	57	91	1.22	1.18	1.13	1.04	0.87	0.69		0.70	0.20	0.38	0.63	0.76	
	0.30		S32	A	Residential 3-4 dwellings/acre	32	17	52	0.12	0.12	0.11	0.11	0.11	0.11		0.60	0.40	0.05	0.09	0.11	
	71.64		S32	B	Residential 3-4 dwellings/acre	56	36	76	38.98	37.68	35.90	33.10	28.81	25.47		0.60	0.30	12.90	21.49	25.79	
	97.27		S32	C	Residential 3-4 dwellings/acre	69	50	86	63.78	61.97	59.39	55.05	47.41	39.63		0.60	0.25	17.51	29.18	35.02	
	10.38		S32	D	Residential 3-4 dwellings/acre	75	57	91	7.40	7.22	6.95	6.50	5.65	4.72		0.60	0.20	1.87	3.11	3.74	
	1.16		S32	A	Residential 5-7 dwellings/acre	32	17	52	0.57	0.56	0.55	0.55	0.53	0.51		0.50	0.40	0.17	0.29	0.35	
	61.61		S32	B	Residential 5-7 dwellings/acre	56	36	76	37.80	36.83	35.50	33.39	30.06	27.29		0.50	0.30	9.24	15.40	18.48	
	77.55		S32	C	Residential 5-7 dwellings/acre	69	50	86	54.79	53.54	51.76	48.74	43.36	37.70		0.50	0.25	11.63	19.39	23.27	
	18.29		S32	D	Residential 5-7 dwellings/acre	75	57	91	13.79	13.51	13.11	12.41	11.10	9.61		0.50	0.20	2.74	4.57	5.49	
	0.49		S32	A	Row Crops, Poor	72	53	89	0.24	0.23	0.21	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.29	
	0.02		S32	B	Row Crops, Poor	81	64	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01	
	2.90		S32	C	Row Crops, Poor	88	75	98	2.24	2.19	2.11	1.20	0.85	0.49		1.00	0.25	0.87	1.45	1.74	
	2.20		S32	D	Row Crops, Poor	91	80	98	1.82	1.79	1.74	1.11	0.85	0.56		1.00	0.20	0.66	1.10	1.32	
	3.35		S32	B	School	56	36	76	1.82	1.76	1.68	1.55	1.35	1.19		0.60	0.30	0.60	1.01	1.21	
	4.81		S32	C	School	69	50	86	3.15	3.06	2.94	2.72	2.34	1.96		0.60	0.25	0.87	1.44	1.73	
	5.12		S32	D	School	75	57	91	3.65	3.56	3.43	3.20	2.79	2.33		0.60	0.20	0.92	1.54	1.84	
	3.04		S32	A	Woodland, Grass, Fair	44	26	64	0.37	0.31	0.23	0.00	0.00	0.00		1.00	0.40	0.91	1.52	1.82	
	73.14		S32	B	Woodland, Grass, Fair	65	45	83	28.70	26.57	23.59	3.18	0.25	0.00		1.00	0.30	21.94	36.57	43.88	
	18.30		S32	C	Woodland, Grass, Fair	77	59	92	10.62	10.15	9.46	3.34	1.61	0.34		1.00	0.25	5.49	9.15	10.98	
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RANCHO MISSION VIEJO																																
PA-3&4 (Ultimate Conditions)																																
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)																																
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	100	P ₂₄ (Inches)																			
						AMC			AMC 1/AMCII												5.63	Storm Event (Year)										HC
						II	I	III																							All	
	34.6	HZ-206	S33	B	Row Crops, Poor	81	64	95	22.41	21.60	20.42	8.58	4.88	1.72		1.00	0.30	10.38	17.30	20.76												
	2.4	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.94	0.87	0.77	0.10	0.01	0.00		1.00	0.30	0.72	1.20	1.44												
	22.6	HZ-206	S33	C	Open Brush, Fair	77	59	92	13.12	12.53	11.68	4.12	1.99	0.42		1.00	0.25	6.78	11.30	13.56												
	11.6	HZ-206	S33	C	Row Crops, Poor	88	75	98	8.95	8.75	8.45	4.78	3.39	1.94		1.00	0.25	3.48	5.80	6.96												
	0.4	HZ-206	S33	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.30		0.20	0.20	0.02	0.04	0.05												
	4.8	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	3.11	3.00	2.83	1.19	0.68	0.24		1.00	0.20	1.44	2.40	2.88												
	1.6	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.12	1.09	1.04	0.50	0.31	0.14		1.00	0.20	0.48	0.80	0.96												
	46.4	HZ-206	S33	D	Open Brush, Fair	83	67	96	31.66	30.64	29.15	13.38	8.17	3.43		1.00	0.20	13.92	23.20	27.84												
	0.1	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01												
	60.7	HZ-206	S33	D	Row Crops, Poor	91	80	98	50.17	49.34	48.08	30.69	23.57	15.50		1.00	0.20	18.21	30.35	36.42												
	5.8	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.86	3.73	3.53	1.55	0.92	0.35		1.00	0.20	1.74	2.90	3.48												
	0.2	HZ-207	S33	A	Barren	78	61	93	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.40	0.06	0.10	0.12												
	0.4	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24												
	0.8	HZ-207	S33	B	Barren	86	72	97	0.59	0.57	0.55	0.29	0.19	0.10		1.00	0.30	0.24	0.40	0.48												
	1.4	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.25	1.24	1.23	1.21	1.16	1.11		0.10	0.30	0.04	0.07	0.08												
	2.6	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	1.18	1.10	1.00	0.21	0.05	0.00		1.00	0.30	0.78	1.30	1.56												
	2.2	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.90	0.83	0.74	0.11	0.01	0.00		1.00	0.30	0.66	1.10	1.32												
	3.1	HZ-207	S33	B	Row Crops, Poor	81	64	95	2.01	1.94	1.83	0.77	0.44	0.15		1.00	0.30	0.93	1.55	1.86												
	3.4	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.33	1.24	1.10	0.15	0.01	0.00		1.00	0.30	1.02	1.70	2.04												
	0.5	HZ-207	S33	D	Barren	93	83	99	0.43	0.43	0.42	0.29	0.23	0.17		1.00	0.20	0.15	0.25	0.30												
	0.2	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12												
	3.6	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.31	3.29	3.26	3.20	3.08	2.91		0.10	0.20	0.11	0.18	0.22												
	4	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.80	2.72	2.59	1.24	0.78	0.35		1.00	0.20	1.20	2.00	2.40												
	14.6	HZ-207	S33	D	Open Brush, Fair	83	67	96	9.96	9.64	9.17	4.21	2.57	1.08		1.00	0.20	4.38	7.30	8.76												
	6.3	HZ-207	S33	D	Row Crops, Poor	91	80	98	5.21	5.12	4.99	3.19	2.45	1.61		1.00	0.20	1.89	3.15	3.78												
	3.7	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.46	2.38	2.25	0.99	0.58	0.23		1.00	0.20	1.11	1.85	2.22												
	0.1	HZ-208	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06												
	0.2	HZ-208	S33	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12												
	5	HZ-208	S33	A	Woodland, Grass, Fair	44	26	64	0.62	0.51	0.37	0.00	0.00	0.00		1.00	0.40	1.50	2.50	3.00												
	3.2	HZ-208	S33	B	Commercial, Industrial	56	36	76	2.85	2.83	2.80	2.76	2.66	2.54		0.10	0.30	0.10	0.16	0.19												
	0.1	HZ-208	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06												
	0.9	HZ-208	S33	B	Open Brush, Fair	66	46	84	0.37	0.34	0.30	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54												
	0.3	HZ-208	S33	C	Apartments	69	50	86	0.26	0.26	0.25	0.24	0.23	0.22		0.20	0.25	0.02	0.03	0.04												
	0.2	HZ-208	S33	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12												
	1	HZ-208	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60												
	41.9	HZ-208	S33	C	Commercial, Industrial	69	50	86	38.11	37.86	37.49	36.81	35.43	33.57		0.10	0.25	1.26	2.10	2.51												
	7.2	HZ-208	S33	C	Grass, Annual or Perennial, Fair	79	62	93	4.42	4.24	3.98	1.53	0.81	0.23		1.00	0.25	2.16	3.60	4.32												
	25	HZ-208	S33	C	Open Brush, Fair	77	59	92	14.51	13.86	12.92	4.56	2.20	0.46		1.00	0.25	7.50	12.50	15.00												
	0.1	HZ-208	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05												
	0.9	HZ-208	S33	C	Row Crops, Poor	88	75	98	0.69	0.68	0.66	0.37	0.26	0.15		1.00	0.25	0.27	0.45	0.54												
	0.3	HZ-208	S33	C	School	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.80	0.25	0.05	0.09	0.11												
	13.2	HZ-208	S33	C	Woodland, Grass, Fair	77	59	92	7.66	7.32	6.82	2.41	1.16	0.24		1.00	0.25	3.96	6.60	7.92												
	0.5	HZ-208	S33	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06												
	0.6	HZ-208	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36												
	33.9	HZ-208	S33	D	Commercial, Industrial	75	57	91	31.16	30.96	30.66	30.12	28.99	27.43		0.10	0.20	1.02	1.70	2.03												
	17.6	HZ-208	S33	D	Grass, Annual or Perennial, Fair	84	69	96	12.32	11.95	11.40	5.45	3.44	1.55		1.00	0.20	5.28	8.80	10.56												
	16.8	HZ-208	S33	D	Open Brush, Fair	83	67	96	11.46	11.10	10.55	4.84	2.96	1.24		1.00	0.20	5.04	8.40	10.08												
	0.6	HZ-208	S33	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07												
	1.5	HZ-208	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.19	1.17	1.15	1.10	1.00	0.89		0.40	0.20	0.18	0.30	0.36												
	10	HZ-208	S33	D	Row Crops, Poor	91	80	98	8.26	8.13	7.92	5.06	3.88	2.55		1.00	0.20	3.00	5.00	6.00												
	0.3	HZ-208	S33	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.80	0.20	0.05	0.09	0.11												
	0.7	HZ-208	S33	D	Woodland, Grass, Fair	82	66	95	0.47	0.45	0.43	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42												
	0.2	HZ-31010	S33	B	Commercial, Industrial	56	36	76	0.18	0.18	0.18	0.17	0.17	0.16		0.10	0.30	0.01	0.01	0.01												
	0.1	HZ-31010	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06												
	0.2	HZ-31010	S33	B	Orchards, Evergreen, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12												
	3.7	HZ-31010	S33	C	Barren	91	80	98	3.06	3.01	2.93	1.87	1.44	0.94		1.00	0.25	1.11	1.85	2.22												
	0.3	HZ-31010	S33	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02												
	3.2	HZ-31010	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.96	1.88	1.77	0.68	0.38	0.10		1.00	0.25	0.96	1.60	1.92												
	3.6	HZ-31010	S33	C	Woodland, Grass, Fair	77	59	92	2.09	2.00	1.86	0.66	0.32	0.07		1.00	0.25	1.08	1.80	2.16												
	1.9	HZ-31010	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.33	1.29	1.23	0.59	0.37	0.17		1.00	0.20	0.57	0.95	1.14												
	0.6	HZ-31010	S33	D	Woodland, Grass, Fair	82	66	95	0.40	0.39	0.37	0.16	0.09	0.04		1.00	0.20	0.18	0.30	0.36												
	0.3	HZ-31010.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18												
	0.8	HZ-31010.2	S33	A	Woodland, Grass, Fair	44	26	64	0.10	0.08	0.06	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48												
	0.5	HZ-31010.2	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.29	0.28	0.11	0.06	0.02		1.00	0.25	0.15	0.25	0.30												
	0.2	HZ-31010.2	S33	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12												
	0.3	HZ-31010.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.21	0.20	0.19	0.09	0.06	0.03		1.00	0.20	0.09	0.15	0.18												
	0.3	HZ-31100	S33	C	Open Brush, Fair	77	59	92	0.17	0.17	0.16	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18												

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100	Storm Event (Year)					HC				
								AMC						P ₂₄ (Inches)						Storm Event (Year)				HC
								II	I	III	AMC 1/AMCII				5.63	> 5	5			2	All			
	0.5	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.30	0.12	0.07	0.02	1.00	0.20	0.15	0.25	0.30					
	0.7	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.20	0.12	0.05	1.00	0.20	0.21	0.35	0.42					
	0.1	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00	1.00	0.25	0.03	0.05	0.06					
	0.3	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.19	0.19	0.18	0.07	0.04	0.01	1.00	0.20	0.09	0.15	0.18					
	1.9	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.30	1.25	1.19	0.55	0.33	0.14	1.00	0.20	0.57	0.95	1.14					
	1.1	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.64	0.61	0.57	0.20	0.10	0.02	1.00	0.25	0.33	0.55	0.66					
	2.5	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.71	1.65	1.57	0.72	0.44	0.18	1.00	0.20	0.75	1.25	1.50					
	0.7	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.38	0.36	0.34	0.11	0.05	0.01	1.00	0.25	0.21	0.35	0.42					
	3	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.74	1.66	1.55	0.55	0.26	0.06	1.00	0.25	0.90	1.50	1.80					
	0.6	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03	1.00	0.20	0.18	0.30	0.36					
	2.1	HZ-31104	S33	D	Open Brush, Fair	83	67	96	1.43	1.39	1.32	0.61	0.37	0.16	1.00	0.20	0.63	1.05	1.26					
	0.6	HZ-31105	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.22	0.20	0.18	0.02	0.00	0.00	1.00	0.30	0.18	0.30	0.36					
	0.1	HZ-31105	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00	1.00	0.30	0.03	0.05	0.06					
	2.8	HZ-31105	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.53	1.46	1.35	0.43	0.19	0.02	1.00	0.25	0.84	1.40	1.68					
	2.6	HZ-31105	S33	C	Open Brush, Fair	77	59	92	1.51	1.44	1.34	0.47	0.23	0.05	1.00	0.25	0.78	1.30	1.56					
	0.6	HZ-31105	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03	1.00	0.20	0.18	0.30	0.36					
	4.1	HZ-31105	S33	D	Open Brush, Fair	83	67	96	2.80	2.71	2.58	1.18	0.72	0.30	1.00	0.20	1.23	2.05	2.46					
	0.8	HZ-31106	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.29	0.27	0.23	0.02	0.00	0.00	1.00	0.30	0.24	0.40	0.48					
	1.5	HZ-31106	S33	B	Open Brush, Fair	66	46	84	0.61	0.57	0.51	0.08	0.01	0.00	1.00	0.30	0.45	0.75	0.90					
	1.9	HZ-31106	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.04	0.99	0.92	0.29	0.13	0.02	1.00	0.25	0.57	0.95	1.14					
	8.2	HZ-31106	S33	C	Open Brush, Fair	77	59	92	4.76	4.55	4.24	1.49	0.72	0.15	1.00	0.25	2.46	4.10	4.92					
	2.7	HZ-31106	S33	D	Open Brush, Fair	83	67	96	1.84	1.78	1.70	0.78	0.48	0.20	1.00	0.20	0.81	1.35	1.62					
	0.5	HZ-31107	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.18	0.17	0.15	0.02	0.00	0.00	1.00	0.30	0.15	0.25	0.30					
	1.1	HZ-31107	S33	B	Open Brush, Fair	66	46	84	0.45	0.42	0.37	0.06	0.01	0.00	1.00	0.30	0.33	0.55	0.66					
	6.5	HZ-31107	S33	C	Chaparral, Broadleaf, Fair	75	57	91	3.56	3.38	3.13	1.00	0.43	0.06	1.00	0.25	1.95	3.25	3.90					
	5.5	HZ-31107	S33	C	Open Brush, Fair	77	59	92	3.19	3.05	2.84	1.00	0.48	0.10	1.00	0.25	1.65	2.75	3.30					
	1.3	HZ-31107	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.84	0.81	0.77	0.32	0.18	0.06	1.00	0.20	0.39	0.65	0.78					
	3.4	HZ-31107	S33	D	Open Brush, Fair	83	67	96	2.32	2.25	2.14	0.98	0.60	0.25	1.00	0.20	1.02	1.70	2.04					
	0.7	HZ-31108	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.25	0.23	0.21	0.02	0.00	0.00	1.00	0.30	0.21	0.35	0.42					
	2.2	HZ-31108	S33	B	Grass, Annual or Perennial, Fair	69	50	86	1.00	0.93	0.84	0.18	0.04	0.00	1.00	0.30	0.66	1.10	1.32					
	3.1	HZ-31108	S33	B	Open Brush, Fair	66	46	84	1.26	1.17	1.05	0.16	0.02	0.00	1.00	0.30	0.93	1.55	1.86					
	0.9	HZ-31108	S33	B	Woodland, Grass, Fair	65	45	83	0.35	0.33	0.29	0.04	0.00	0.00	1.00	0.30	0.27	0.45	0.54					
	7.4	HZ-31108	S33	C	Chaparral, Broadleaf, Fair	75	57	91	4.05	3.85	3.57	1.14	0.49	0.07	1.00	0.25	2.22	3.70	4.44					
	0.3	HZ-31108	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.18	0.18	0.17	0.06	0.03	0.01	1.00	0.25	0.09	0.15	0.18					
	11.4	HZ-31108	S33	C	Open Brush, Fair	77	59	92	6.62	6.32	5.89	2.08	1.00	0.21	1.00	0.25	3.42	5.70	6.84					
	8.9	HZ-31108	S33	C	Woodland, Grass, Fair	77	59	92	5.16	4.93	4.60	1.62	0.78	0.16	1.00	0.25	2.67	4.45	5.34					
	1.9	HZ-31108	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.23	1.19	1.12	0.47	0.27	0.09	1.00	0.20	0.57	0.95	1.14					
	9.2	HZ-31108	S33	D	Open Brush, Fair	83	67	96	6.28	6.08	5.78	2.65	1.62	0.68	1.00	0.20	2.76	4.60	5.52					
	1.4	HZ-31108	S33	D	Woodland, Grass, Fair	82	66	95	0.93	0.90	0.85	0.37	0.22	0.09	1.00	0.20	0.42	0.70	0.84					
	0.8	HZ-31109	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.36	0.34	0.31	0.06	0.02	0.00	1.00	0.30	0.24	0.40	0.48					
	0.6	HZ-31109	S33	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00	1.00	0.30	0.18	0.30	0.36					
	0.1	HZ-31109	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01	0.90	0.30	0.03	0.05	0.05					
	1.3	HZ-31109	S33	B	Row Crops, Poor	81	64	95	0.84	0.81	0.77	0.32	0.18	0.06	1.00	0.30	0.39	0.65	0.78					
	4	HZ-31109	S33	B	Woodland, Grass, Fair	65	45	83	1.57	1.45	1.29	0.17	0.01	0.00	1.00	0.30	1.20	2.00	2.40					
	1.5	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.82	0.78	0.72	0.23	0.10	0.01	1.00	0.25	0.45	0.75	0.90					
	0.3	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.18	0.18	0.17	0.06	0.03	0.01	1.00	0.25	0.09	0.15	0.18					
	9.6	HZ-31109	S33	C	Open Brush, Fair	77	59	92	5.57	5.32	4.96	1.75	0.84	0.18	1.00	0.25	2.88	4.80	5.76					
	0.4	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07	0.90	0.25	0.11	0.18	0.22					
	6.2	HZ-31109	S33	C	Row Crops, Poor	88	75	98	4.78	4.68	4.52	2.56	1.81	1.04	1.00	0.25	1.86	3.10	3.72					
	3.9	HZ-31109	S33	C	Woodland, Grass, Fair	77	59	92	2.26	2.16	2.02	0.71	0.34	0.07	1.00	0.25	1.17	1.95	2.34					
	1.4	HZ-31109	S33	D	Row Crops, Poor	91	80	98	1.16	1.14	1.11	0.71	0.54	0.36	1.00	0.20	0.42	0.70	0.84					
	4.9	HZ-31110	S33	A	Barren	78	61	93	2.93	2.80	2.62	0.97	0.49	0.12	1.00	0.40	1.47	2.45	2.94					
	1.5	HZ-31110	S33	A	Row Crops, Poor	72	53	89	0.75	0.71	0.65	0.17	0.06	0.00	1.00	0.40	0.45	0.75	0.90					
	0.6	HZ-31110	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.19	0.17	0.13	0.09	0.06	0.90	0.30	0.16	0.27	0.32					
	2.5	HZ-31110	S33	B	Row Crops, Poor	81	64	95	1.62	1.56	1.48	0.62	0.35	0.12	1.00	0.30	0.75	1.25	1.50					
	5.3	HZ-31110	S33	C	Row Crops, Poor	88	75	98	4.09	4.00	3.86	2.19	1.55	0.89	1.00	0.25	1.59	2.65	3.18					
	3.3	HZ-31110	S33	D	Row Crops, Poor	91	80	98	2.73	2.68	2.61	1.67	1.28	0.84	1.00	0.20	0.99	1.65	1.98					
	1.3	HZ-31111	S33	A	Barren	78	61	93	0.78	0.74	0.70	0.28	0.13	0.03	1.00	0.40	0.39	0.65	0.78					
	0.2	HZ-31111	S33	A	Commercial, Industrial	32	17	52	0.17	0.17	0.17	0.17	0.17	0.16	0.10	0.40	0.01	0.01	0.01					
	5.3	HZ-31111	S33	A	Row Crops, Poor	72	53	89	2.65	2.50	2.29	0.61	0.21	0.00	1.00	0.40	1.59	2.65	3.18					
	0.3	HZ-31111	S33	A	Woodland, Grass, Fair	44	26	64	0.04	0.03	0.02	0.00	0.00	0.00	1.00	0.40	0.09	0.15	0.18					
	0.2	HZ-31111	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00	1.00	0.30	0.06	0.10	0.12					
	0.6	HZ-31111	S33	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00	1.00	0.30	0.18	0.30	0.36					
	4.3	HZ-31111	S33	B	Row Crops, Poor	81	64	95	2.79	2.68	2.54	1.07	0.61	0.21	1.00	0.30	1.29	2.15	2.58					
	0.8	HZ-31111	S33	B	Woodland, Grass, Fair	65	45	83	0.31	0.29	0													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III				AMC I/AMCII											
	14.6	HZ-31111	S33	D	Row Crops, Poor	91	80	98	12.07	11.87	11.57	7.38	5.67	3.73		1.00	0.20	4.38	7.30	8.76			
	13.8	HZ-31112	S33	A	Barren	78	61	93	8.24	7.89	7.38	2.72	1.37	0.34		1.00	0.40	4.14	6.90	8.28			
	2.6	HZ-31112	S33	B	Barren	86	72	97	1.91	1.86	1.79	0.93	0.62	0.32		1.00	0.30	0.78	1.30	1.56			
	1.1	HZ-31112	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07			
	3.5	HZ-31112	S33	B	Residential 2.5 acre lots	56	36	76	1.18	1.09	0.97	0.78	0.51	0.33		0.90	0.30	0.95	1.58	1.89			
	6.9	HZ-31112	S33	B	Row Crops, Poor	81	64	95	4.47	4.31	4.07	1.71	0.97	0.34		1.00	0.30	2.07	3.45	4.14			
	0.2	HZ-31112	S33	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12			
	0.1	HZ-31112	S33	C	Row Crops, Poor	88	75	98	0.08	0.08	0.07	0.04	0.03	0.02		1.00	0.25	0.03	0.05	0.06			
	0.1	HZ-31112	S33	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	2.4	HZ-31112	S33	D	Residential 2.5 acre lots	75	57	91	1.41	1.35	1.27	1.12	0.86	0.58		0.90	0.20	0.65	1.08	1.30			
	0.5	HZ-31112	S33	D	Row Crops, Poor	91	80	98	0.41	0.41	0.40	0.25	0.19	0.13		1.00	0.20	0.15	0.25	0.30			
	0.5	HZ-31113	S33	A	Barren	78	61	93	0.30	0.29	0.27	0.10	0.05	0.01		1.00	0.40	0.15	0.25	0.30			
	0.3	HZ-31113	S33	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		0.10	0.40	0.01	0.02	0.02			
	0.2	HZ-31113	S33	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	0.8	HZ-31113	S33	A	Residential 2.5 acre lots	32	17	52	0.09	0.09	0.08	0.08	0.07	0.07		0.90	0.40	0.22	0.36	0.43			
	1.6	HZ-31113	S33	A	Row Crops, Poor	72	53	89	0.80	0.75	0.69	0.18	0.06	0.00		1.00	0.40	0.48	0.80	0.96			
	31.9	HZ-31113	S33	B	Barren	86	72	97	23.45	22.84	21.93	11.41	7.64	3.92		1.00	0.30	9.57	15.95	19.14			
	1.7	HZ-31113	S33	B	Commercial, Industrial	56	36	76	1.51	1.50	1.49	1.46	1.41	1.35		0.10	0.30	0.05	0.09	0.10			
	0.3	HZ-31113	S33	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	2.6	HZ-31113	S33	B	Residential 2.5 acre lots	56	36	76	0.87	0.81	0.72	0.58	0.38	0.24		0.90	0.30	0.70	1.17	1.40			
	5.5	HZ-31113	S33	B	Row Crops, Poor	81	64	95	3.56	3.43	3.25	1.36	0.78	0.27		1.00	0.30	1.65	2.75	3.30			
	0.2	HZ-31113	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.2	HZ-31113	S33	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	1.3	HZ-31113	S33	C	Residential 2.5 acre lots	69	50	86	0.65	0.62	0.57	0.49	0.35	0.22		0.90	0.25	0.35	0.59	0.70			
	0.3	HZ-31113	S33	D	Barren	93	83	99	0.26	0.26	0.25	0.17	0.14	0.10		1.00	0.20	0.09	0.15	0.18			
	0.2	HZ-31113	S33	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01			
	0.3	HZ-31113	S33	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18			
	6.5	HZ-31113	S33	D	Residential 2.5 acre lots	75	57	91	3.83	3.67	3.44	3.04	2.33	1.57		0.90	0.20	1.76	2.93	3.51			
	3	HZ-31113	S33	D	Row Crops, Poor	91	80	98	2.48	2.44	2.38	1.52	1.16	0.77		1.00	0.20	0.90	1.50	1.80			
	1.2	HZ-31113.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.23	0.20	0.16	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	0.5	HZ-31113.2	S33	A	Open Brush, Fair	46	28	66	0.07	0.06	0.05	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30			
	1.7	HZ-31113.2	S33	A	Public Park	32	17	52	0.28	0.26	0.25	0.24	0.23	0.22		0.85	0.40	0.43	0.72	0.87			
	7.2	HZ-31113.2	S33	A	Woodland, Grass, Fair	44	26	64	0.89	0.73	0.53	0.00	0.00	0.00		1.00	0.40	2.16	3.60	4.32			
	1	HZ-31113.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.70	0.68	0.65	0.31	0.20	0.09		1.00	0.20	0.30	0.50	0.60			
	7.8	HZ-31114	S33	A	Barren	78	61	93	4.66	4.46	4.17	1.54	0.78	0.19		1.00	0.40	2.34	3.90	4.68			
	1.7	HZ-31114	S33	A	Row Crops, Poor	72	53	89	0.85	0.80	0.73	0.20	0.07	0.00		1.00	0.40	0.51	0.85	1.02			
	9.4	HZ-31114	S33	B	Barren	86	72	97	6.91	6.73	6.46	3.36	2.25	1.16		1.00	0.30	2.82	4.70	5.64			
	1.2	HZ-31114	S33	B	Open Brush, Fair	66	46	84	0.49	0.45	0.40	0.06	0.01	0.00		1.00	0.30	0.36	0.60	0.72			
	0.1	HZ-31114	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05			
	2.6	HZ-31114	S33	B	Row Crops, Poor	81	64	95	1.68	1.62	1.53	0.64	0.37	0.13		1.00	0.30	0.78	1.30	1.56			
	0.2	HZ-31114	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.3	HZ-31114	S33	C	Open Brush, Fair	77	59	92	0.17	0.17	0.16	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.2	HZ-31114	S33	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11			
	2.7	HZ-31114	S33	C	Row Crops, Poor	88	75	98	2.08	2.04	1.97	1.11	0.79	0.45		1.00	0.25	0.81	1.35	1.62			
	18.4	HZ-31115	S33	A	Barren	78	61	93	10.98	10.52	9.84	3.63	1.83	0.45		1.00	0.40	5.52	9.20	11.04			
	1.2	HZ-31115	S33	A	Meadows or Cienegas, Fair	51	32	71	0.24	0.21	0.17	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	0.1	HZ-31115	S33	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	26.6	HZ-31115	S33	B	Barren	86	72	97	19.56	19.05	18.29	9.51	6.37	3.27		1.00	0.30	7.98	13.30	15.96			
	3.9	HZ-31115	S33	B	Commercial, Industrial	56	36	76	3.47	3.45	3.42	3.36	3.24	3.09		0.10	0.30	0.12	0.20	0.23			
	3	HZ-31115	S33	B	Fallow	86	72	97	2.21	2.15	2.06	1.07	0.72	0.37		1.00	0.30	0.90	1.50	1.80			
	0.5	HZ-31115	S33	B	Open Brush, Fair	66	46	84	0.20	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	8.2	HZ-31115	S33	B	Residential 2.5 acre lots	56	36	76	2.76	2.55	2.26	1.82	1.18	0.76		0.90	0.30	2.21	3.69	4.43			
	1.1	HZ-31115	S33	B	Row Crops, Poor	81	64	95	0.71	0.69	0.65	0.27	0.16	0.05		1.00	0.30	0.33	0.55	0.66			
	0.2	HZ-31115	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	14	HZ-31115	S33	C	Barren	91	80	98	11.57	11.38	11.09	7.08	5.44	3.57		1.00	0.25	4.20	7.00	8.40			
	4.3	HZ-31115	S33	C	Commercial, Industrial	69	50	86	3.91	3.89	3.85	3.78	3.64	3.45		0.10	0.25	0.13	0.22	0.26			
	5.3	HZ-31115	S33	C	Fallow	91	80	98	4.38	4.31	4.20	2.68	2.06	1.35		1.00	0.25	1.59	2.65	3.18			
	2.7	HZ-31115	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.66	1.59	1.49	0.57	0.30	0.09		1.00	0.25	0.81	1.35	1.62			
	3.2	HZ-31115	S33	C	Meadows or Cienegas, Fair	80	63	94	2.02	1.94	1.83	0.73	0.40	0.13		1.00	0.25	0.96	1.60	1.92			
	6.1	HZ-31115	S33	C	Open Brush, Fair	77	59	92	3.54	3.38	3.15	1.11	0.54	0.11		1.00	0.25	1.83	3.05	3.66			
	7.5	HZ-31115	S33	C	Residential 2.5 acre lots	69	50	86	3.78	3.58	3.30	2.84	2.04	1.28		0.90	0.25	2.03	3.38	4.05			
	5.4	HZ-31115	S33	C	Row Crops, Poor	88	75	98	4.17	4.07	3.93	2.23	1.58	0.91		1.00	0.25	1.62	2.70	3.24			
	1.6	HZ-31115	S33	C	Woodland, Grass, Fair	77	59	92	0.93	0.89	0.83	0.29	0.14	0.03		1.00	0.25	0.48	0.80	0.96			
	1.9	HZ-31115	S33	D	Barren	93	83	99	1.64	1.62	1.59	1.10	0.89	0.64		1.00	0.20	0.57	0.95	1.14			
	2	HZ-31115	S33	D	Commercial, Industrial	75	57	91	1.84	1.83	1.81	1.78	1.71	1.62		0.10	0.20	0.06	0.10	0.12			
	3.7	HZ-31115	S33	D	Fallow	94	85	99	3.27	3.23	3.18	2.29	1.89	1.41		1.00	0.20	1.11	1.85	2.22			
	2.1	HZ-31115	S33	D	Open Brush, Fair	83	67	96	1.43	1.39	1.32	0.61	0.37	0.16		1.00	0.20	0.63	1.05	1.26			
	2.6	HZ-31115	S33	D	Residential 2.5 acre lots	75	57	91	1.53	1.47	1.38	1.22											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															
	0.1	HZ-31116	S33	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05			
	0.1	HZ-31116	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.1	HZ-31116	S33	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.2	HZ-31116	S33	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12			
	0.4	HZ-31116	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20			
	0.4	HZ-31116	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.28	0.27	0.26	0.12	0.08	0.04		1.00	0.20	0.12	0.20	0.24			
	0.8	HZ-31116	S33	D	Residential 2.5 acre lots	75	57	91	0.47	0.45	0.42	0.37	0.29	0.19		0.90	0.20	0.22	0.36	0.43			
	0.8	HZ-31116	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.36	0.34	0.31	0.06	0.02	0.00		1.00	0.30	0.24	0.40	0.48			
	1	HZ-31116	S33	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.18	0.07		1.00	0.20	0.30	0.50	0.60			
	1.1	HZ-31116	S33	D	Woodland, Grass, Fair	82	66	95	0.73	0.71	0.67	0.29	0.17	0.07		1.00	0.20	0.33	0.55	0.66			
	1.1	HZ-31116	S33	D	Commercial, Industrial	75	57	91	1.01	1.00	1.00	0.98	0.94	0.89		1.00	0.20	0.03	0.06	0.07			
	2.8	HZ-31116	S33	C	Residential 2.5 acre lots	69	50	86	1.41	1.34	1.23	1.06	0.76	0.48		0.90	0.25	0.76	1.26	1.51			
	3.5	HZ-31116	S33	C	Commercial, Industrial	69	50	86	3.18	3.16	3.13	3.08	2.96	2.80		0.10	0.25	0.11	0.18	0.21			
	5	HZ-31116	S33	C	Grass, Annual or Perennial, Fair	79	62	93	3.07	2.95	2.76	1.06	0.56	0.16		1.00	0.25	1.50	2.50	3.00			
	6.7	HZ-31116	S33	B	Residential 2.5 acre lots	56	36	76	2.25	2.08	1.85	1.49	0.97	0.62		0.90	0.30	1.81	3.02	3.62			
	7.8	HZ-31116	S33	C	Woodland, Grass, Fair	77	59	92	4.53	4.32	4.03	1.42	0.69	0.14		1.00	0.25	2.34	3.90	4.68			
	10.8	HZ-31116	S33	C	Open Brush, Fair	77	59	92	6.27	5.99	5.58	1.97	0.95	0.20		1.00	0.25	3.24	5.40	6.48			
	13.8	HZ-31116	S33	B	Commercial, Industrial	56	36	76	12.25	12.17	12.05	11.84	11.43	10.90		0.10	0.30	0.41	0.69	0.83			
	21.5	HZ-31116	S33	B	Barren	86	72	97	15.77	15.36	14.75	7.67	5.14	2.64		1.00	0.30	6.44	10.73	12.87			
	36.6	HZ-31116	S33	C	Barren	91	80	98	30.25	29.75	28.99	18.51	14.21	9.35		1.00	0.25	10.98	18.30	21.96			
	0.5	S33-01	S33	A	Barren	78	61	93	0.30	0.29	0.27	0.10	0.05	0.01		1.00	0.40	0.15	0.25	0.30			
	22.6	S33-01	S33	A	Commercial, Industrial	32	17	52	19.58	19.49	19.36	19.14	18.66	17.90		0.10	0.40	0.68	1.13	1.36			
	4.7	S33-01	S33	A	Row Crops, Poor	72	53	89	2.35	2.22	2.03	0.54	0.19	0.00		1.00	0.40	1.41	2.35	2.82			
	2.9	S33-01	S33	A	Woodland, Grass, Fair	44	26	64	0.36	0.29	0.22	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74			
	0.2	S33-01	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.02		1.00	0.30	0.06	0.10	0.12			
	7.4	S33-01	S33	B	Commercial, Industrial	56	36	76	6.59	6.55	6.49	6.37	6.15	5.87		0.10	0.30	0.22	0.37	0.44			
	1	S33-01	S33	B	Row Crops, Poor	81	64	95	0.65	0.62	0.59	0.25	0.14	0.05		1.00	0.30	0.30	0.50	0.60			
	1.4	S33-01	S33	C	Commercial, Industrial	69	50	86	1.27	1.27	1.25	1.23	1.18	1.12		0.10	0.25	0.04	0.07	0.08			
	15.6	S33-01	S33	C	Open Brush, Fair	77	59	92	9.05	8.65	8.07	2.84	1.37	0.29		1.00	0.25	4.68	7.80	9.36			
	0.1	S33-01	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04			
	5.3	S33-01	S33	C	Row Crops, Poor	88	75	98	4.09	4.00	3.86	2.19	1.55	0.89		1.00	0.25	1.59	2.65	3.18			
	1.2	S33-02	S33	A	Barren	78	61	93	0.72	0.69	0.64	0.24	0.12	0.03		1.00	0.40	0.36	0.60	0.72			
	0.6	S33-02	S33	A	Row Crops, Poor	72	53	89	0.30	0.28	0.26	0.07	0.02	0.00		1.00	0.40	0.18	0.30	0.36			
	0.9	S33-02	S33	C	Barren	91	80	98	0.74	0.73	0.71	0.46	0.35	0.23		1.00	0.25	0.27	0.45	0.54			
	4.8	S33-02	S33	C	Open Brush, Fair	77	59	92	2.79	2.66	2.48	0.88	0.42	0.09		1.00	0.25	1.44	2.40	2.88			
	1.9	S33-02	S33	C	Row Crops, Poor	88	75	98	1.47	1.43	1.38	0.78	0.56	0.32		1.00	0.25	0.57	0.95	1.14			
	0.2	S33-05.5	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.02		1.00	0.30	0.06	0.10	0.12			
	0.5	S33-05.5	S33	B	Row Crops, Poor	81	64	95	0.32	0.31	0.30	0.12	0.07	0.02		1.00	0.30	0.15	0.25	0.30			
	1.1	S33-05.5	S33	B	Woodland, Grass, Fair	65	45	83	0.43	0.40	0.35	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.66			
	0.3	S33-05.5	S33	C	Barren	91	80	98	0.25	0.24	0.24	0.15	0.12	0.08		1.00	0.25	0.09	0.15	0.18			
	1.1	S33-05.5	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.68	0.65	0.61	0.23	0.12	0.03		1.00	0.25	0.33	0.55	0.66			
	3.5	S33-05.5	S33	C	Open Brush, Fair	77	59	92	2.03	1.94	1.81	0.64	0.31	0.06		1.00	0.25	1.05	1.75	2.10			
	1.4	S33-05.5	S33	C	Row Crops, Poor	88	75	98	1.08	1.06	1.02	0.58	0.41	0.23		1.00	0.25	0.42	0.70	0.84			
	4.8	S33-05.5	S33	D	Open Brush, Fair	83	67	96	3.28	3.17	3.02	1.38	0.85	0.36		1.00	0.20	1.44	2.40	2.88			
	0.9	S33-05.5	S33	D	Row Crops, Poor	91	80	98	0.74	0.73	0.71	0.46	0.35	0.23		1.00	0.20	0.27	0.45	0.54			
	1.7	S33-05.6	S33	B	Barren	86	72	97	1.25	1.22	1.17	0.61	0.41	0.21		1.00	0.30	0.51	0.85	1.02			
	0.6	S33-05.6	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.27	0.25	0.23	0.05	0.01	0.00		1.00	0.30	0.18	0.30	0.36			
	0.1	S33-05.6	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.4	S33-05.6	S33	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	2.2	S33-05.6	S33	C	Barren	91	80	98	1.82	1.79	1.74	1.11	0.85	0.56		1.00	0.25	0.66	1.10	1.32			
	4.2	S33-05.6	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.58	2.47	2.32	0.89	0.47	0.13		1.00	0.25	1.26	2.10	2.52			
	8.1	S33-05.6	S33	C	Open Brush, Fair	77	59	92	4.70	4.49	4.19	1.48	0.71	0.15		1.00	0.25	2.43	4.05	4.86			
	2.3	S33-05.6	S33	C	Woodland, Grass, Fair	77	59	92	1.33	1.28	1.19	0.42	0.20	0.04		1.00	0.25	0.69	1.15	1.38			
	0.2	S33-05.6	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.14	0.14	0.13	0.06	0.04	0.02		1.00	0.20	0.06	0.10	0.12			
	6.9	S33-05.6	S33	D	Open Brush, Fair	83	67	96	4.71	4.56	4.33	1.99	1.22	0.51		1.00	0.20	2.07	3.45	4.14			
	0.7	S33-05.6	S33	D	Woodland, Grass, Fair	82	66	95	0.47	0.45	0.43	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42			
	0.4	S33-06	S33	B	Barren	86	72	97	0.29	0.29	0.28	0.14	0.10	0.05		1.00	0.30	0.12	0.20	0.24			
	9.2	S33-06	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.16	0.16	0.16	0.03	0.01	0.00		1.00	0.30	0.27	0.46	0.52			
	1	S33-06	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	1.3	S33-06	S33	B	Woodland, Grass, Fair	65	45	83	0.51	0.47	0.42	0.06	0.00	0.00		1.00	0.30	0.39	0.65	0.78			
	2.4	S33-06	S33	C	Barren	91	80	98	1.98	1.95	1.90	1.21	0.93	0.61		1.00	0.25	0.72	1.20	1.44			
	4.1	S33-06	S33	C	Chaparral, Broadleaf, Fair	75	57	91	2.24	2.13	1.98	0.63	0.27	0.04		1.00	0.25	1.23	2.05	2.46			
	19.2	S33-06	S33	C	Grass, Annual or Perennial, Fair	79	62	93	11.78	11.31	10.62	4.08	2.15	0.61		1.00	0.25	5.76	9.60	11.52			
	20.9	S33-06	S33	C	Open Brush, Fair	77	59	92	12.13	11.59													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														

PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.49	0.47	0.43	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54	
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.51	1.44	1.34	0.47	0.23	0.05		1.00	0.25	0.78	1.30	1.56	
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38	
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.55	0.52	0.48	0.42	0.30	0.19		0.90	0.25	0.30	0.50	0.59	
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.91	0.90	0.89	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06	
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07	
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16	
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	6.00	5.96	5.90	5.80	5.58	5.29		0.10	0.25	0.20	0.33	0.40	
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.91	0.86	0.79	0.68	0.49	0.31		0.90	0.25	0.49	0.81	0.97	
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04	
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.55	3.52	3.49	3.43	3.30	3.12		0.10	0.25	0.12	0.20	0.23	
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.40	0.34	0.25	0.15		0.90	0.25	0.24	0.41	0.49	
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04	
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.30	0.08	0.13	0.15	
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.13	0.12	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22	
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.55	4.52	4.47	4.39	4.23	4.01		0.10	0.25	0.15	0.25	0.30	
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	1.11	1.06	0.98	0.86	0.65	0.44		0.85	0.25	0.54	0.89	1.07	
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.40	0.38	0.35	0.30	0.22	0.14		0.90	0.25	0.22	0.36	0.43	
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.65	1.64	1.63	1.60	1.54	1.46		0.10	0.20	0.05	0.09	0.11	
PA3 Line A	2.8	A-5	S33	B	Commercial, Industrial	56	36	76	2.49	2.48	2.45	2.41	2.33	2.22		0.10	0.30	0.08	0.14	0.17	
PA3 Line A	7.6	A-5	S33	C	Commercial, Industrial	69	50	86	6.91	6.87	6.80	6.68	6.43	6.09		0.10	0.25	0.23	0.38	0.46	
PA3 Line A	0.4	A-5	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20	
PA3 Line A	10.5	A-5	S33	D	Commercial, Industrial	75	57	91	9.65	9.59	9.50	9.33	8.98	8.50		0.10	0.20	0.32	0.53	0.63	
PA3 Line A	0.3	A-5	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
PA3 Line A	6.8	A-6	S33	B	Commercial, Industrial	56	36	76	6.06	6.02	5.96	5.86	5.65	5.39		0.10	0.30	0.20	0.34	0.41	
PA3 Line A	12.1	A-6	S33	C	Commercial, Industrial	69	50	86	11.01	10.93	10.83	10.63	10.23	9.69		0.10	0.25	0.36	0.61	0.73	
PA3 Line A	1	A-6	S33	C	Public Park	69	50	86	0.53	0.50	0.47	0.41	0.31	0.21		0.85	0.25	0.26	0.43	0.51	
PA3 Line A	4.5	A-6	S33	D	Commercial, Industrial	75	57	91	4.14	4.11	4.07	4.00	3.85	3.64		0.10	0.20	0.14	0.23	0.27	
PA3 Line A	3.4	A-8	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.98	2.93	2.83	2.69		0.10	0.30	0.10	0.17	0.20	
PA3 Line A	6.7	A-8	S33	C	Commercial, Industrial	69	50	86	6.09	6.05	5.99	5.89	5.67	5.37		0.10	0.25	0.20	0.34	0.40	
PA3 Line A	0.1	A-8	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05	
PA3 Line A	2.5	A-8	S33	D	Commercial, Industrial	75	57	91	2.30	2.28	2.26	2.22	2.14	2.02		0.10	0.20	0.08	0.13	0.15	
PA3 Line A	7.2	A-7	S33	B	Commercial, Industrial	56	36	76	6.42	6.37	6.31	6.20	5.99	5.71		0.10	0.30	0.22	0.36	0.43	
PA3 Line A	0.7	A-7	S33	B	Public Park	56	36	76	0.26	0.24	0.22	0.18	0.13	0.10		0.85	0.30	0.18	0.30	0.36	
PA3 Line A	7.6	A-7	S33	C	Commercial, Industrial	69	50	86	6.91	6.87	6.80	6.68	6.43	6.09		0.10	0.25	0.23	0.38	0.46	
PA3 Line A	0.3	A-7	S33	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15	
PA3 Line A	4.7	A-7	S33	D	Commercial, Industrial	75	57	91	4.32	4.29	4.25	4.18	4.02	3.80		0.10	0.20	0.14	0.24	0.28	
PA3 Line A	0.4	A-7	S33	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20	
PA3 Line A	3.5	A-18	S33	B	Commercial, Industrial	56	36	76	3.12	3.10	3.07	3.01	2.91	2.77		0.10	0.30	0.11	0.18	0.21	
PA3 Line A	0.6	A-18	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.19	0.17	0.13	0.09	0.06		0.90	0.30	0.16	0.27	0.32	
PA3 Line A	2.8	A-18	S33	C	Commercial, Industrial	69	50	86	2.55	2.53	2.51	2.46	2.37	2.24		0.10	0.25	0.08	0.14	0.17	
PA3 Line A	0.8	A-18	S33	C	Residential 2.5 acre lots	69	50	86	0.40	0.38	0.35	0.30	0.22	0.14		0.90	0.25	0.22	0.36	0.43	
PA3 Line A	0.6	A-18	S33	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04	
PA3 Line A	0.4	A-9	S33	B	Apartments	56	36	76	0.33	0.33	0.32	0.31	0.30	0.28		0.20	0.30	0.02	0.04	0.05	
PA3 Line A	5.5	A-9	S33	C	Apartments	69	50	86	4.72	4.68	4.61	4.49	4.26	3.97		0.20	0.25	0.33	0.55	0.66	
PA3 Line A	3.2	A-9	S33	D	Apartments	75	57	91	2.81	2.78	2.74	2.68	2.54	2.36		0.20	0.20	0.19	0.32	0.38	
PA3 Line A	0.4	A-10	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22	
PA3 Line A	0.3	A-10	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02	
PA3 Line A	1.3	A-10	S33	D	Public Park	75	57	91	0.79	0.76	0.72	0.64	0.51	0.36		0.85	0.20	0.33	0.55	0.66	
PA3 Line A	1	A-10	S33	D	Residential 2.5 acre lots	75	57	91	0.59	0.56	0.53	0.47	0.36	0.24		0.90	0.20	0.27	0.45	0.54	
PA3 Line A	2.3	A-11	S33	C	Commercial, Industrial	69	50	86	2.09	2.08	2.06	2.02	1.94	1.84		0.10	0.25	0.07	0.12	0.14	
PA3 Line A	0.3	A-11	S33	C	Residential 2.5 acre lots	69	50	86	0.15	0.14	0.13	0.11	0.08	0.05		0.90	0.25	0.08	0.14	0.16	
PA3 Line A	1	A-11	S33	D	Commercial, Industrial	75	57	91	0.92	0.91	0.90	0.89	0.86	0.81		0.10	0.20	0.03	0.05	0.06	
PA3 Line A	0.3	A-11	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
PA3 Line A	5	A-12	S33	C	Commercial, Industrial	69	50	86	4.55	4.52	4.47	4.39	4.23	4.01		0.10	0.25	0.15	0.25	0.30	
PA3 Line A	2.2	A-12	S33	C	Residential 2.5 acre lots	69	50	86	1.11	1.05	0.97	0.83	0.60	0.38		0.90	0.25	0.59	0.99	1.19	
PA3 Line A	1	A-12	S33	D	Commercial, Industrial	75	57	91	0.92	0.91	0.90	0.89	0.86	0.81		0.10	0.20	0.03	0.05	0.06	
PA3 Line A	0.3	A-12	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
PA3 Line A	1.6	A-13	S33	C	Commercial, Industrial	69	50	86	1.46	1.45	1.43	1.41	1.35	1.28		0.10	0.25	0.05	0.08	0.10	
PA3 Line A	0.2	A-13	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
PA3 Line A	1.1	A-13	S33	C	Residential 2.5 acre lots	69	50	86	0.55	0.52	0.48	0.42	0.30	0.19		0.90	0.25	0.30	0.50	0.59	
PA3 Line A	9	A-14	S33	C	Commercial, Industrial	69	50	86	8.19	8.13	8.0										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)										5.63				
						II	I	III	AMC 1/AMCII														

PA3 Line A	5.3	OA-3	S33	C	Open Brush, Fair	77	59	92	3.08	2.94	2.74	0.97	0.47	0.10		1.00	0.25	1.59	2.65	3.18	
PA3 Line A	0.3	OA-3	S33	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.16	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
PA3 Line A	3.4	A-16	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.98	2.93	2.83	2.69		0.10	0.30	0.10	0.17	0.20	
PA3 Line A	11	A-16	S33	C	Commercial, Industrial	69	50	86	10.01	9.94	9.84	9.66	9.30	8.81		0.10	0.25	0.33	0.55	0.66	
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.95	0.91	0.84	0.74	0.55	0.38		0.85	0.25	0.46	0.77	0.92	
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.76	0.72	0.66	0.57	0.41	0.26		0.90	0.25	0.41	0.68	0.81	
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.94	2.92	2.89	2.84	2.74	2.59		0.10	0.20	0.10	0.16	0.19	
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.76	2.74	2.72	2.67	2.58	2.46		0.10	0.30	0.09	0.16	0.19	
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.52	0.48	0.44	0.37	0.26	0.19		0.85	0.30	0.36	0.60	0.71	
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.37	0.34	0.30	0.24	0.16	0.10		0.90	0.30	0.30	0.50	0.59	
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.64	4.61	4.56	4.48	4.31	4.09		0.10	0.25	0.15	0.26	0.31	
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	1.00	0.96	0.89	0.78	0.59	0.40		0.85	0.25	0.48	0.81	0.97	
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.81	1.72	1.58	1.36	0.98	0.62		0.90	0.25	0.97	1.62	1.94	
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.48	2.47	2.44	2.40	2.31	2.18		0.10	0.20	0.08	0.14	0.16	
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27	
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07	
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.27	3.25	3.22	3.16	3.04	2.88		0.10	0.25	0.11	0.18	0.22	
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03	
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
PA3 Line A	2.7	A-20	S33	C	Residential 10+ dwellings/acre	69	50	86	2.32	2.30	2.26	2.20	2.09	1.95		0.20	0.25	0.16	0.27	0.32	
PA3 Line A	1.4	A-20	S33	C	Residential 2.5 acre lots	69	50	86	0.70	0.67	0.62	0.53	0.38	0.24		0.90	0.25	0.38	0.63	0.76	
PA3 Line A	0.1	A-20	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
PA3 Line A	1.3	A-20	S33	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.11	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16	
PA3 Line A	0.2	A-20	S33	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11	
PA3 Line A	5.4	A-21	S33	C	Residential 10+ dwellings/acre	69	50	86	4.64	4.59	4.52	4.41	4.18	3.90		0.20	0.25	0.32	0.54	0.65	
PA3 Line A	2.4	A-21	S33	C	Residential 2.5 acre lots	69	50	86	1.21	1.15	1.06	0.91	0.65	0.41		0.90	0.25	0.65	1.08	1.30	
PA3 Line A	0.7	A-21	S33	C	Commercial, Industrial	69	50	86	0.64	0.63	0.63	0.62	0.59	0.56		0.10	0.25	0.02	0.04	0.04	
PA3 Line A	0.6	A-21	S33	D	Residential 2.5 acre lots	75	57	91	0.35	0.34	0.32	0.28	0.21	0.14		0.90	0.20	0.16	0.27	0.32	
PA3 Line A	7.6	A-22	S33	C	Apartments	69	50	86	6.53	6.46	6.37	6.20	5.88	5.49		0.20	0.25	0.46	0.76	0.91	
PA3 Line A	1.4	A-22	S33	C	Commercial, Industrial	69	50	86	1.27	1.27	1.25	1.23	1.18	1.12		0.10	0.25	0.04	0.07	0.08	
PA3 Line A	2.3	A-22	S33	C	Residential 10+ dwellings/acre	69	50	86	1.98	1.96	1.93	1.88	1.78	1.66		0.20	0.25	0.14	0.23	0.28	
PA3 Line A	6.5	A-22	S33	C	Residential 2.5 acre lots	69	50	86	3.27	3.10	2.86	2.46	1.77	1.11		0.90	0.25	1.76	2.93	3.51	
PA3 Line A	8.4	A-22	S33	C	Residential 3-4 dwellings/acre	69	50	86	5.51	5.35	5.13	4.75	4.09	3.42		0.60	0.25	1.51	2.52	3.02	
PA3 Line A	0.5	A-22	S33	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06	
PA3 Line A	0.3	A-22	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02	
PA3 Line A	1.1	A-22	S33	D	Public Park	75	57	91	0.67	0.64	0.61	0.54	0.43	0.30		0.85	0.20	0.28	0.47	0.56	
PA3 Line A	2	A-22	S33	D	Residential 10+ dwellings/acre	75	57	91	1.76	1.74	1.72	1.67	1.59	1.48		0.20	0.20	0.12	0.20	0.24	
PA3 Line A	3.8	A-22	S33	D	Residential 2.5 acre lots	75	57	91	2.24	2.14	2.01	1.78	1.36	0.92		0.90	0.20	1.03	1.71	2.05	
PA3 Line A	3.8	A-22	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.71	2.64	2.55	2.38	2.07	1.73		0.60	0.20	0.68	1.14	1.37	
PA3 Line A	0.1	A-23	S33	C	Apartments	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
PA3 Line A	1.6	A-23	S33	C	Commercial, Industrial	69	50	86	1.46	1.45	1.43	1.41	1.35	1.28		0.10	0.25	0.05	0.08	0.10	
PA3 Line A	0.2	A-23	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
PA3 Line A	0.3	A-23	S33	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04	
PA3 Line A	2.1	A-23	S33	D	Commercial, Industrial	75	57	91	1.93	1.92	1.90	1.87	1.80	1.70		0.10	0.20	0.06	0.11	0.13	
PA3 Line A	0.6	A-23	S33	D	Public Park	75	57	91	0.37	0.35	0.33	0.30	0.23	0.17		0.85	0.20	0.15	0.26	0.31	
PA3 Line A	0.2	A-23	S33	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
PA3 Line A	0.5	A-25	S33	C	Apartments	69	50	86	0.43	0.43	0.42	0.41	0.39	0.36		0.20	0.25	0.03	0.05	0.06	
PA3 Line A	1.2	A-25	S33	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07	
PA3 Line A	1.2	A-25	S33	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.33	0.21		0.90	0.25	0.32	0.54	0.65	
PA3 Line A	0.1	A-25	S33	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
PA3 Line A	1.6	A-25	S33	D	Commercial, Industrial	75	57	91	1.47	1.46	1.45	1.42	1.37	1.29		0.10	0.20	0.05	0.08	0.10	
PA3 Line A	3	A-25	S33	D	Residential 2.5 acre lots	75	57	91	1.77	1.69	1.59	1.41	1.07	0.72		0.90	0.20	0.81	1.35	1.62	
PA3 Line A	1.9	A-25.1	S33	C	Apartments	69	50	86	1.63	1.62	1.59	1.55	1.47	1.37		0.20	0.25	0.11	0.19	0.23	
PA3 Line A	0.6	A-25.1	S33	C	Residential 2.5 acre lots	69	50	86	0.30	0.29	0.26	0.23	0.16	0.10		0.90	0.25	0.16	0.27	0.32	
PA3 Line A	0.3	A-25.1	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11	
PA3 Line A	5	A-25.1	S33	D	Apartments	75	57	91	4.39	4.35	4.29	4.18	3.97	3.69		0.20	0.20	0.30	0.50	0.60	
PA3 Line A	2.3	A-25.1	S33	D	Public Park	75	57	91	1.40	1.35	1.27	1.14	0.90	0.64		0.85	0.20	0.59	0.98	1.17	
PA3 Line A	3.5	A-25.1	S33	D	Residential 2.5 acre lots	75	57	91	2.06	1.98	1.85	1.64	1.25	0.85		0.90	0.20	0.95	1.58	1.89	
PA3 Line A	10.2	A-25.1	S33	D	Residential 3-4 dwellings/acre	75	57	91	7.27	7.09	6.83	6.38	5.55	4.63		0.60	0.20	1.84	3.06	3.67	
PA3 Line A	5.9	A-26	S33	C	Apartments	69	50	86	5.07	5.02	4.94	4.81	4.57	4.26		0.20	0.25	0.35	0.59	0.71	
PA3 Line A	0.1	A-26	S33	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III					AMC 1/AMCII	5.63									

	0.30	B22	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07	
	0.10	B22	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01	
	0.30	B22	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	1.40	B22	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.11	1.10	1.07	1.02	0.94	0.83		0.40	0.20	0.17	0.28	0.34	
	0.10	B23	S34	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
	0.70	B23	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04	
	0.60	B24	S34	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07	
	0.10	B24	S34	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
	3.70	B24	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.16	2.99		0.10	0.20	0.11	0.19	0.22	
	0.30	B24	S34	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15	
	11.50	B25	S34	D	Residential 10+ dwellings/acre	75	57	91	10.09	10.00	9.86	9.61	9.12	8.49		0.20	0.20	0.69	1.15	1.38	
	2.90	B25	S34	D	Apartments	75	57	91	2.55	2.52	2.49	2.42	2.30	2.14		0.20	0.20	0.17	0.29	0.35	
	0.70	B25	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04	
	2.60	B25	S34	D	Public Park	75	57	91	1.58	1.52	1.44	1.29	1.01	0.72		0.85	0.20	0.66	1.11	1.33	
	0.90	B26	S34	C	Residential 10+ dwellings/acre	69	50	86	0.77	0.77	0.75	0.73	0.70	0.65		0.20	0.25	0.05	0.09	0.11	
	0.30	B26	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02	
	6.40	B26	S34	D	Residential 10+ dwellings/acre	75	57	91	5.62	5.57	5.49	5.35	5.08	4.72		0.20	0.20	0.38	0.64	0.77	
	3.70	B26	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.16	2.99		0.10	0.20	0.11	0.19	0.22	
	0.70	B26	S34	D	Condominiums	75	57	91	0.57	0.56	0.55	0.53	0.49	0.44		0.35	0.20	0.07	0.12	0.15	
	2.20	B27	S34	C	Residential 10+ dwellings/acre	69	50	86	1.89	1.87	1.84	1.80	1.70	1.59		0.20	0.25	0.13	0.22	0.26	
	0.10	B27	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	0.30	B27	S34	C	Condominiums	69	50	86	0.23	0.23	0.23	0.22	0.20	0.18		0.35	0.25	0.03	0.05	0.06	
	6.80	B27	S34	D	Residential 10+ dwellings/acre	75	57	91	5.97	5.91	5.83	5.69	5.39	5.02		0.20	0.20	0.41	0.68	0.82	
	0.10	B27	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03	
	2.00	B27	S34	D	Condominiums	75	57	91	1.63	1.61	1.57	1.51	1.40	1.26		0.35	0.20	0.21	0.35	0.42	
	6.40	B28	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.52	4.42	4.27	4.02	3.58	3.11		0.50	0.25	0.96	1.60	1.92	
	0.90	B28	S34	C	Condominiums	69	50	86	0.70	0.69	0.68	0.65	0.60	0.54		0.35	0.25	0.09	0.16	0.19	
	5.20	B28	S34	D	Residential 5-7 dwellings/acre	75	57	91	3.92	3.84	3.73	3.53	3.15	2.73		0.50	0.20	0.78	1.30	1.56	
	0.80	B28	S34	D	Condominiums	75	57	91	0.65	0.64	0.63	0.61	0.56	0.51		0.35	0.20	0.08	0.14	0.17	
	2.90	B29	S34	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.47	2.43	2.37	2.24	2.10		0.20	0.25	0.17	0.29	0.35	
	2.90	B29	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.05	2.00	1.94	1.82	1.62	1.41		0.50	0.25	0.44	0.73	0.87	
	6.30	B29	S34	D	Residential 10+ dwellings/acre	75	57	91	5.53	5.48	5.40	5.27	5.00	4.65		0.20	0.20	0.38	0.63	0.76	
	6.00	B29	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.52	4.43	4.30	4.07	3.64	3.15		0.50	0.20	0.90	1.50	1.80	
	1.40	B2A	S34	D	Commercial, Industrial	75	57	91	1.29	1.28	1.27	1.24	1.20	1.13		0.10	0.20	0.04	0.07	0.08	
	0.50	B3	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.38	0.37	0.36	0.34	0.30	0.26		0.50	0.20	0.08	0.13	0.15	
	2.40	B3	S34	D	Commercial, Industrial	75	57	91	2.21	2.19	2.17	2.13	2.05	1.94		0.10	0.20	0.07	0.12	0.14	
	1.30	B3	S34	D	Open Brush, Fair	83	67	96	0.89	0.86	0.82	0.37	0.23	0.10		1.00	0.20	0.39	0.65	0.78	
	2.90	B30	S34	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.47	2.43	2.37	2.24	2.10		0.20	0.25	0.17	0.29	0.35	
	1.60	B30	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.13	1.10	1.07	1.01	0.89	0.78		0.50	0.25	0.24	0.40	0.48	
	0.60	B31	S34	D	Apartments	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07	
	0.20	B32	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
	5.90	B32	S34	D	Commercial, Industrial	75	57	91	5.42	5.39	5.34	5.24	5.05	4.77		0.10	0.20	0.18	0.30	0.35	
	14.90	B33	S34	D	Commercial, Industrial	75	57	91	13.69	13.61	13.48	13.24	12.74	12.06		0.10	0.20	0.45	0.75	0.89	
	0.10	B34	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02	
	0.20	B34	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
	1.80	B34	S34	D	Commercial, Industrial	75	57	91	1.65	1.64	1.63	1.60	1.54	1.46		0.10	0.20	0.05	0.09	0.11	
	0.40	B35	S34	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02	
	0.10	B35	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02	
	1.30	B35	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.16	1.11	1.05		0.10	0.20	0.04	0.07	0.08	
	9.40	B36	S34	D	Residential 8-10 dwellings/acre	75	57	91	7.48	7.35	7.18	6.87	6.29	5.60		0.40	0.20	1.13	1.88	2.26	
	0.70	B37	S34	D	Residential 10+ dwellings/acre	75	57	91	0.61	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08	
	2.50	B37	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.99	1.96	1.91	1.83	1.67	1.49		0.40	0.20	0.30	0.50	0.60	
	1.70	B38	S34	D	Residential 10+ dwellings/acre	75	57	91	1.49	1.48	1.46	1.42	1.35	1.25		0.20	0.20	0.10	0.17	0.20	
	1.60	B38	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.27	1.25	1.22	1.17	1.07	0.95		0.40	0.20	0.19	0.32	0.38	
	1.40	B39	S34	D	Residential 10+ dwellings/acre	75	57	91	1.23	1.22	1.20	1.17	1.11	1.03		0.20	0.20	0.08	0.14	0.17	
	7.10	B39	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.65	5.56	5.42	5.19	4.75	4.23		0.40	0.20	0.85	1.42	1.70	
	2.70	B39	S34	D	Apartments	75	57	91	2.37	2.35	2.32	2.26	2.14	1.99		0.20	0.20	0.16	0.27	0.32	
	1.10	B39	S34	D	Commercial, Industrial	75	57	91	1.01	1.00	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07	
	0.10	B4	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01	
	0.10	B4	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.20	B4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	0.20	B4	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01	
	0.60	B4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.45	0.44	0.43	0.41	0.36	0.32		0.50	0.20	0.09	0.15	0.18	
	1.90	B4	S34	D																	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100										
						AMC			P ₂₄ (Inches)									5.63				
						II	I	III	AMC 1/AMCII													

	0.60	B41	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.48	0.47	0.46	0.44	0.40	0.36		0.40	0.20	0.07	0.12	0.14	
	8.40	B42	S34	D	Residential 10+ dwellings/acre	75	57	91	7.37	7.30	7.20	7.02	6.66	6.20		0.20	0.20	0.50	0.84	1.01	
	0.60	B42	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.45	0.44	0.43	0.41	0.36	0.32		0.50	0.20	0.09	0.15	0.18	
	2.10	B43	S34	D	Residential 10+ dwellings/acre	75	57	91	1.84	1.83	1.80	1.76	1.67	1.55		0.20	0.20	0.13	0.21	0.25	
	5.00	B44	S34	D	Residential 10+ dwellings/acre	75	57	91	4.39	4.35	4.29	4.18	3.97	3.69		0.20	0.20	0.30	0.50	0.60	
	5.30	B45	S34	D	Residential 10+ dwellings/acre	75	57	91	4.65	4.61	4.55	4.43	4.20	3.91		0.20	0.20	0.32	0.53	0.64	
	1.20	B46	S34	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.89		0.20	0.20	0.07	0.12	0.14	
	0.20	B46	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01	
	1.20	B46A	S34	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.89		0.20	0.20	0.07	0.12	0.14	
	0.70	B46A	S34	D	School	75	57	91	0.50	0.49	0.47	0.44	0.38	0.32		0.60	0.20	0.13	0.21	0.25	
	1.10	B47	S34	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.94	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13	
	1.20	B47	S34	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07	
	6.30	B47	S34	C	Public Park	69	50	86	3.33	3.17	2.95	2.58	1.94	1.33		0.85	0.25	1.61	2.68	3.21	
	4.60	B47	S34	C	School	69	50	86	3.02	2.93	2.81	2.60	2.24	1.87		0.60	0.25	0.83	1.38	1.66	
	1.60	B47	S34	D	Residential 10+ dwellings/acre	75	57	91	1.40	1.39	1.37	1.34	1.27	1.18		0.20	0.20	0.10	0.16	0.19	
	4.00	B47	S34	D	Commercial, Industrial	75	57	91	3.68	3.65	3.62	3.55	3.42	3.24		0.10	0.20	0.12	0.20	0.24	
	3.90	B47	S34	D	Public Park	75	57	91	2.38	2.29	2.15	1.93	1.52	1.08		0.85	0.20	0.99	1.66	1.99	
	10.80	B47	S34	D	School	75	57	91	7.70	7.51	7.23	6.76	5.88	4.91		0.60	0.20	1.94	3.24	3.89	
	1.40	B48	S34	C	Residential 10+ dwellings/acre	69	50	86	1.20	1.19	1.17	1.14	1.08	1.01		0.20	0.25	0.08	0.14	0.17	
	16.40	B48	S34	D	Residential 10+ dwellings/acre	75	57	91	14.40	14.26	14.06	13.71	13.01	12.11		0.20	0.20	0.98	1.64	1.97	
	1.30	B48	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.16	1.11	1.05		0.10	0.20	0.04	0.07	0.08	
	1.00	B49	S34	C	Residential 10+ dwellings/acre	69	50	86	0.86	0.85	0.84	0.82	0.77	0.72		0.20	0.25	0.06	0.10	0.12	
	2.00	B49	S34	C	Public Park	69	50	86	1.06	1.01	0.94	0.82	0.62	0.42		0.85	0.25	0.51	0.85	1.02	
	2.80	B49	S34	D	Residential 10+ dwellings/acre	75	57	91	2.46	2.43	2.40	2.34	2.22	2.07		0.20	0.20	0.17	0.28	0.34	
	1.50	B49	S34	D	Commercial, Industrial	75	57	91	1.38	1.37	1.36	1.33	1.28	1.21		0.10	0.20	0.05	0.08	0.09	
	0.10	B49	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02	
	1.10	B49	S34	D	Public Park	75	57	91	0.67	0.64	0.61	0.54	0.43	0.30		0.85	0.20	0.28	0.47	0.56	
	0.10	B5	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03	
	0.50	B5	S34	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40		0.10	0.30	0.02	0.03	0.03	
	0.40	B5	S34	B	Open Brush, Fair	66	46	84	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24	
	0.70	B5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.49	0.48	0.47	0.44	0.39	0.34		0.50	0.25	0.11	0.18	0.21	
	1.50	B5	S34	C	Commercial, Industrial	69	50	86	1.36	1.36	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09	
	0.80	B5	S34	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.15	0.07	0.01		1.00	0.25	0.24	0.40	0.48	
	0.10	B50	S34	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.09	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	1.70	B50	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.20	1.17	1.13	1.07	0.95	0.83		0.50	0.25	0.26	0.43	0.51	
	0.30	B50	S34	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15	
	0.80	B50	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.60	0.59	0.57	0.54	0.49	0.42		0.50	0.20	0.12	0.20	0.24	
	0.10	B50	S34	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	0.30	B51	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09	
	0.20	B51	S34	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
	0.20	B51	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.11		0.50	0.20	0.03	0.05	0.06	
	0.10	B51	S34	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	0.90	B52	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.55	0.54	0.52	0.49	0.44	0.40		0.50	0.30	0.14	0.23	0.27	
	0.30	B52	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.20	0.20	0.20	0.19	0.17	0.16		0.40	0.30	0.04	0.06	0.07	
	2.50	B52	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.77	1.73	1.67	1.57	1.40	1.22		0.50	0.25	0.38	0.63	0.75	
	0.70	B52	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.53	0.52	0.51	0.48	0.44	0.40		0.40	0.25	0.08	0.14	0.17	
	9.10	B52	S34	C	Condominiums	69	50	86	7.12	7.01	6.85	6.57	6.07	5.50		0.35	0.25	0.96	1.59	1.91	
	2.80	B52	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.11	2.07	2.01	1.90	1.70	1.47		0.50	0.20	0.42	0.70	0.84	
	1.60	B52	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.27	1.25	1.22	1.17	1.07	0.95		0.40	0.20	0.19	0.32	0.38	
	7.40	B52	S34	D	Condominiums	75	57	91	6.04	5.95	5.83	5.60	5.18	4.67		0.35	0.20	0.78	1.30	1.55	
	0.30	B52	S34	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15	
	0.10	B53	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02	
	0.30	B53	S34	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.10	B53	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.10	B53	S34	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05	
	0.10	B53	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	1.30	B53	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.98	0.97	0.94	0.90	0.82	0.73		0.40	0.25	0.16	0.26	0.31	
	0.90	B53	S34	C	Commercial, Industrial	69	50	86	0.82	0.81	0.81	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05	
	0.40	B53	S34	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01		1.00	0.25	0.12	0.20	0.24	
	0.80	B53	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.64	0.63	0.61	0.58	0.54	0.48		0.40	0.20	0.10	0.16	0.19	
	0.40	B53	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
	0.10	B53	S34	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCII								
	0.10	B54	S34	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.10	B55	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03			
	0.70	B55	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.48	0.47	0.46	0.44	0.40	0.37		0.40	0.30	0.08	0.14	0.17			
	2.20	B55	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.55	1.52	1.47	1.38	1.23	1.07		0.50	0.25	0.33	0.55	0.66			
	1.80	B55	S34	C	Residential 8-10 dwellings/acre	69	50	86	1.36	1.34	1.30	1.24	1.14	1.02		0.40	0.25	0.22	0.36	0.43			
	0.20	B55	S34	C	Condominiums	69	50	86	0.16	0.15	0.15	0.14	0.13	0.12		0.35	0.25	0.02	0.04	0.04			
	3.20	B55	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.41	2.36	2.29	2.17	1.94	1.68		0.50	0.20	0.48	0.80	0.96			
	5.70	B55	S34	D	Residential 8-10 dwellings/acre	75	57	91	4.53	4.46	4.35	4.17	3.81	3.40		0.40	0.20	0.68	1.14	1.37			
	6.40	B56	S34	B	Open Brush, Fair	66	46	84	2.61	2.42	2.16	0.33	0.04	0.00		1.00	0.30	1.92	3.20	3.84			
	1.40	B56	S34	C	Open Brush, Fair	77	59	92	0.81	0.78	0.72	0.26	0.12	0.03		1.00	0.25	0.42	0.70	0.84			
	0.60	B56	S34	D	Open Brush, Fair	83	67	96	0.41	0.40	0.38	0.17	0.11	0.04		1.00	0.20	0.18	0.30	0.36			
	1.20	B6	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.74	0.72	0.69	0.65	0.59	0.53		0.50	0.30	0.18	0.30	0.36			
	0.10	B6	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.20	B6	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	0.10	B6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	2.30	B7	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.73	1.70	1.65	1.56	1.40	1.21		0.50	0.20	0.35	0.58	0.69			
	0.40	B7	S34	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.30		0.20	0.20	0.02	0.04	0.05			
	0.30	B8	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.18	0.18	0.17	0.16	0.15	0.13		0.50	0.30	0.05	0.08	0.09			
	0.10	B8	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	0.60	B8	S34	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	6.20	B8	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.67	4.58	4.44	4.21	3.76	3.26		0.50	0.20	0.93	1.55	1.86			
	0.90	B9	S34	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.71	0.66		0.20	0.20	0.05	0.09	0.11			
	0.30	B9	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	0.10	B9	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	0.20	C1	S34	C	Condominiums	69	50	86	0.16	0.15	0.15	0.14	0.13	0.12		0.35	0.25	0.02	0.04	0.04			
	0.10	C1	S34	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.10	C1	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	1.20	C2	S34	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07			
	0.60	C2	S34	C	Condominiums	69	50	86	0.47	0.46	0.45	0.43	0.40	0.36		0.35	0.25	0.06	0.11	0.13			
	0.10	C2	S34	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	0.10	C2	S34	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.30	C2	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.40	C2	S34	D	Condominiums	75	57	91	0.33	0.32	0.31	0.30	0.28	0.25		0.35	0.20	0.04	0.07	0.08			
	1.10	C3	S34	C	Commercial, Industrial	69	50	86	1.00	0.99	0.98	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07			
	1.30	C3	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.16	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	0.60	C4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.42	0.41	0.40	0.38	0.34	0.29		0.50	0.25	0.09	0.15	0.18			
	1.70	C4	S34	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10			
	1.00	C4	S34	C	Condominiums	69	50	86	0.78	0.77	0.75	0.72	0.67	0.60		0.35	0.25	0.11	0.18	0.21			
	0.10	C4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	0.70	C4	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.40	C4	S34	D	Condominiums	75	57	91	0.33	0.32	0.31	0.30	0.28	0.25		0.35	0.20	0.04	0.07	0.08			
	1.30	C5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.92	0.90	0.87	0.82	0.73	0.63		0.50	0.25	0.20	0.33	0.39			
	0.40	C5	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.30	0.30	0.29	0.28	0.25	0.23		0.40	0.25	0.05	0.08	0.10			
	0.20	C5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	1.50	C5	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.13	1.11	1.08	1.02	0.91	0.79		0.50	0.20	0.23	0.38	0.45			
	1.90	C5	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.51	1.49	1.45	1.39	1.27	1.13		0.40	0.20	0.23	0.38	0.46			
	2.00	C5	S34	D	Commercial, Industrial	75	57	91	1.84	1.83	1.81	1.78	1.71	1.62		0.10	0.20	0.06	0.10	0.12			
	4.40	C6	S34	C	Apartments	69	50	86	3.78	3.74	3.69	3.59	3.41	3.18		0.20	0.25	0.26	0.44	0.53			
	0.10	C6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	6.70	C6	S34	D	Apartments	75	57	91	5.88	5.83	5.75	5.60	5.31	4.95		0.20	0.20	0.40	0.67	0.80			
	3.10	C7	S34	D	Open Brush, Fair	83	67	96	2.12	2.05	1.95	0.89	0.55	0.23		1.00	0.20	0.93	1.55	1.86			
	0.20	CCR-A1	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A1	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A2	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.50	CCR-A2	S34	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
	0.40	CCR-A3	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A4	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.30	CCR-A4	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.20	CCR-A5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A5	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.30	CCR-A6	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02			
	0.30	CCR-A6	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.40	CCR-A7	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.70	CCR-A8	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.10	CCR-A9	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.60	CCR-A9	S34	C	Commercial, Industrial	69	50	86															

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)							5.63										
						II	I	III							AMC 1/AMCII											
	0.60	CCR-C2	S34	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04						
	0.20	CCR-C3	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01						
	0.20	CCR-C3	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01						
	0.20	CCR-C4	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01						
	0.50	CCR-C4	S34	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.40		0.10	0.20	0.02	0.03	0.03						
	0.10	CCR-C5	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01						
	0.40	CCR-C5	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02						
	0.40	CCR-C6	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02						
	0.20	CCR-C7	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.15	0.15	0.14	0.14	0.13	0.11		0.40	0.25	0.02	0.04	0.05						
	0.20	CCR-C8	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.15	0.15	0.14	0.14	0.13	0.11		0.40	0.25	0.02	0.04	0.05						
	0.30	CCR-C8	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.23	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07						
	0.30	CCR-C9	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07						
	0.80	CCR-C9	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.64	0.63	0.61	0.58	0.54	0.48		0.40	0.20	0.10	0.16	0.19						
	0.60	HZ-101	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.11	0.10	0.08	0.00	0.00	0.00		1.00	0.40	0.18	0.30	0.36						
	3.80	HZ-101	S34	A	Open Brush, Fair	46	28	66	0.55	0.46	0.35	0.00	0.00	0.00		1.00	0.40	1.14	1.90	2.28						
	0.10	HZ-101	S34	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06						
	1.10	HZ-101	S34	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07						
	13.40	HZ-101	S34	B	Fallow	86	72	97	9.85	9.60	9.21	4.79	3.21	1.65		1.00	0.30	4.02	6.70	8.04						
	14.80	HZ-101	S34	B	Grass, Annual or Perennial, Fair	69	50	86	6.70	6.27	5.67	1.20	0.29	0.00		1.00	0.30	4.44	7.40	8.88						
	1.00	HZ-101	S34	B	Open Brush, Fair	66	46	84	0.41	0.38	0.34	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60						
	1.20	HZ-101	S34	B	Public Park	56	36	76	0.44	0.42	0.38	0.31	0.22	0.16		0.85	0.30	0.31	0.51	0.61						
	0.00	HZ-101	S34	B	Residential 3-4 dwellings/acre	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00		0.60	0.30	0.00	0.00	0.00						
	0.00	HZ-101	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.30	0.00	0.00	0.00						
	0.00	HZ-101	S34	B	Row Crops, Good	78	61	93	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00						
	1.10	HZ-101	S34	B	Woodland, Grass, Fair	65	45	83	0.43	0.40	0.35	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.66						
	0.90	HZ-101	S34	C	Chaparral, Broadleaf, Fair	75	57	91	0.49	0.47	0.43	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54						
	0.60	HZ-101	S34	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04						
	8.70	HZ-101	S34	C	Fallow	91	80	98	7.19	7.07	6.89	4.40	3.38	2.22		1.00	0.25	2.61	4.35	5.22						
	44.90	HZ-101	S34	C	Grass, Annual or Perennial, Fair	79	62	93	27.56	26.45	24.83	9.55	5.02	1.42		1.00	0.25	13.47	22.45	26.94						
	83.50	HZ-101	S34	C	Open Brush, Fair	77	59	92	48.46	46.30	43.17	15.22	7.34	1.54		1.00	0.25	25.05	41.75	50.10						
	0.40	HZ-101	S34	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.04	0.01		1.00	0.25	0.12	0.20	0.24						
	0.80	HZ-101	S34	D	Chaparral, Broadleaf, Fair	81	64	95	0.52	0.50	0.47	0.20	0.11	0.04		1.00	0.20	0.24	0.40	0.48						
	3.70	HZ-101	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.16	2.99		0.10	0.20	0.11	0.19	0.22						
	22.10	HZ-101	S34	D	Fallow	94	85	99	19.51	19.30	18.97	13.66	11.31	8.41		1.00	0.20	6.63	11.05	13.26						
	321.20	HZ-101	S34	D	Grass, Annual or Perennial, Fair	84	69	96	224.78	218.03	208.05	99.45	62.70	28.29		1.00	0.20	96.36	160.60	192.72						
	44.30	HZ-101	S34	D	Open Brush, Fair	83	67	96	30.23	29.26	27.83	12.77	7.80	3.28		1.00	0.20	13.29	22.15	26.58						
	2.20	HZ-101	S34	D	Public Park	75	57	91	1.34	1.29	1.22	1.09	0.86	0.61		0.85	0.20	0.56	0.94	1.12						
	10.80	HZ-101	S34	D	Residential 3-4 dwellings/acre	75	57	91	7.70	7.51	7.23	6.76	5.88	4.91		0.60	0.20	1.94	3.24	3.89						
	0.00	HZ-101	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00						
	9.80	HZ-101	S34	D	Woodland, Grass, Fair	82	66	95	6.52	6.29	5.97	2.62	1.55	0.60		1.00	0.20	2.94	4.90	5.88						
	0.20	HZ-209	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12						
	4.00	HZ-209	S34	C	Grass, Annual or Perennial, Fair	79	62	93	2.45	2.36	2.21	0.85	0.45	0.13		1.00	0.25	1.20	2.00	2.40						
	2.00	HZ-209	S34	D	Grass, Annual or Perennial, Fair	84	69	96	1.40	1.36	1.30	0.62	0.39	0.18		1.00	0.20	0.60	1.00	1.20						
	9.70	HZ-209	S34	A	Open Brush, Fair	46	28	66	1.41	1.18	0.89	0.00	0.00	0.00		1.00	0.40	2.91	4.85	5.82						
	2.60	HZ-209	S34	C	Open Brush, Fair	77	59	92	1.51	1.44	1.34	0.47	0.23	0.05		1.00	0.25	0.78	1.30	1.56						
	0.00	HZ-209	S34	D	Open Brush, Fair	83	67	96	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00						
	1.60	HZ-209	S34	C	Row Crops, Poor	88	75	98	1.23	1.21	1.17	0.66	0.47	0.27		1.00	0.25	0.48	0.80	0.96						
	2.00	HZ-209	S34	D	Row Crops, Poor	91	80	98	1.65	1.63	1.58	1.01	0.78	0.51		1.00	0.20	0.60	1.00	1.20						
	12.50	HZ-209	S34	A	Woodland, Grass, Fair	44	26	64	1.54	1.27	0.93	0.00	0.00	0.00		1.00	0.40	3.75	6.25	7.50						
	5.80	HZ-209	S34	C	Woodland, Grass, Fair	77	59	92	3.37	3.22	3.00	1.06	0.51	0.11		1.00	0.25	1.74	2.90	3.48						
	0.10	HZ-209	S34	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06						
	9.20	HZ-505	S34	A	Open Brush, Fair	46	28	66	1.33	1.12	0.85	0.00	0.00	0.00		1.00	0.40	2.76	4.60	5.52						
	6.40	HZ-505	S34	A	Public Park	32	17	52	1.04	0.99	0.93	0.90	0.88	0.84		0.85	0.40	1.63	2.72	3.26						
	3.30	HZ-505	S34	A	Row Crops, Poor	72	53	89	1.65	1.56	1.42	0.38	0.13	0.00		1.00	0.40	0.99	1.65	1.98						
	4.90	HZ-505	S34	A	Woodland, Grass, Fair	44	26	64	0.60	0.50	0.36	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94						
	7.90	HZ-505	S34</																							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100												
						AMC			P ₂₄ (Inches)															
						II	I	III																
	0.60	HZ-507	S34	A	Chaparral, Broadleaf, Fair	40	23	60	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.18	0.30	0.36				
	17.60	HZ-507	S34	A	Open Brush, Fair	46	28	66	2.55	2.14	1.62	0.00	0.00	0.00		1.00	0.40	5.28	8.80	10.56				
	12.00	HZ-507	S34	A	Woodland, Grass, Fair	44	26	64	1.48	1.22	0.89	0.00	0.00	0.00		1.00	0.40	3.60	6.00	7.20				
	9.90	HZ-507	S34	B	Chaparral, Broadleaf, Fair	63	43	81	3.60	3.31	2.91	0.30	0.01	0.00		1.00	0.30	2.97	4.95	5.94				
	1.00	HZ-507	S34	B	Open Brush, Fair	66	46	84	0.41	0.38	0.34	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60				
	9.60	HZ-507	S34	B	Woodland, Grass, Fair	65	45	83	3.77	3.49	3.10	0.42	0.03	0.00		1.00	0.30	2.88	4.80	5.76				
	172.40	HZ-507	S34	C	Chaparral, Broadleaf, Fair	75	57	91	94.39	89.76	83.10	26.53	11.49	1.52		1.00	0.25	51.72	86.20	103.44				
	6.10	HZ-507	S34	C	Open Brush, Fair	77	59	92	3.54	3.38	3.15	1.11	0.54	0.11		1.00	0.25	1.83	3.05	3.66				
	1.00	HZ-507	S34	C	Woodland, Grass, Fair	77	59	92	0.58	0.55	0.52	0.18	0.09	0.02		1.00	0.25	0.30	0.50	0.60				
	1.20	HZ-507	S34	D	Chaparral, Broadleaf, Fair	81	64	95	0.78	0.75	0.71	0.30	0.17	0.06		1.00	0.20	0.36	0.60	0.72				
	0.10	HZ-508	S34	A	Chaparral, Broadleaf, Fair	40	23	60	0.01	0.01	0.00	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06				
	0.00	HZ-508	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00				
	0.20	HZ-508	S34	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12				
	8.00	HZ-508	S34	A	Woodland, Grass, Fair	44	26	64	0.99	0.81	0.59	0.00	0.00	0.00		1.00	0.40	2.40	4.00	4.80				
	1.80	HZ-508	S34	B	Chaparral, Broadleaf, Fair	63	43	81	0.65	0.60	0.53	0.06	0.00	0.00		1.00	0.30	0.54	0.90	1.08				
	2.40	HZ-508	S34	B	Woodland, Grass, Fair	65	45	83	0.94	0.87	0.77	0.10	0.01	0.00		1.00	0.30	0.72	1.20	1.44				
	96.90	HZ-508	S34	C	Chaparral, Broadleaf, Fair	75	57	91	53.05	50.45	46.71	14.91	6.46	0.86		1.00	0.25	29.07	48.45	58.14				
	4.50	HZ-508	S34	C	Open Brush, Fair	77	59	92	2.61	2.50	2.33	0.82	0.40	0.08		1.00	0.25	1.35	2.25	2.70				
	0.60	HZ-508	S34	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36				
	16.80	HZ-508	S34	D	Chaparral, Broadleaf, Fair	81	64	95	10.88	10.49	9.91	4.16	2.37	0.83		1.00	0.20	5.04	8.40	10.08				
	7.00	S36-86.5	S34	A	Open Brush, Fair	46	28	66	1.01	0.85	0.64	0.00	0.00	0.00		1.00	0.40	2.10	3.50	4.20				
	3.30	S36-86.5	S34	A	Woodland, Grass, Fair	44	26	64	0.41	0.34	0.24	0.00	0.00	0.00		1.00	0.40	0.99	1.65	1.98				
	0.40	S36-86.5	S34	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02				
	1.40	S36-86.5	S34	C	Open Brush, Fair	77	59	92	0.81	0.78	0.72	0.26	0.12	0.03		1.00	0.25	0.42	0.70	0.84				
	0.00	S36-86.5	S34	C	Woodland, Grass, Fair	77	59	92	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.25	0.00	0.00	0.00				
	0.30	S36-86.5	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02				
	0.00	S36-86.5	S34	D	Open Brush, Fair	83	67	96	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00				
	0.40	S36-86.6	S34	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24				
	2.90	S36-86.6	S34	A	Woodland, Grass, Fair	44	26	64	0.36	0.29	0.22	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74				
	9.8		S35	B	Chaparral, Broadleaf, Fair	63	43	81	3.56	3.27	2.88	0.30	0.01	0.00		1.00	0.30	2.94	4.90	5.88				
	33.69		S35	C	Chaparral, Broadleaf, Fair	75	57	91	18.45	17.54	16.24	5.19	2.25	0.30		1.00	0.25	10.11	16.85	20.21				
	24.62		S35	B	Commercial, Industrial, Industrial	56	36	76	21.94	21.79	21.58	21.20	20.47	19.51		0.10	0.30	0.74	1.23	1.48				
	0.8		S35	C	Commercial, Industrial, Industrial	69	50	86	0.73	0.72	0.72	0.70	0.68	0.64		0.10	0.25	0.02	0.04	0.05				
	16.79		S35	D	Commercial, Industrial, Industrial	75	57	91	15.43	15.33	15.19	14.92	14.36	13.58		0.10	0.20	0.50	0.84	1.01				
	77.1		S35	B	Fallow	86	72	97	56.69	55.21	53.01	27.57	18.48	9.48		1.00	0.30	23.13	38.55	46.26				
	63.31		S35	C	Fallow	91	80	98	52.32	51.46	50.15	32.01	24.58	16.17		1.00	0.25	18.99	31.66	37.99				
	17.06		S35	D	Fallow	94	85	99	15.06	14.90	14.65	10.55	8.73	6.49		1.00	0.20	5.12	8.53	10.24				
	59.76		S35	B	Grass, Annual or Perennial, Fair	69	50	86	27.05	25.33	22.91	4.84	1.18	0.00		1.00	0.30	17.93	29.88	35.86				
	1.6		S35	C	Grass, Annual or Perennial, Fair	79	62	93	0.98	0.94	0.88	0.34	0.18	0.05		1.00	0.25	0.48	0.80	0.96				
	114.17		S35	D	Grass, Annual or Perennial, Fair	84	69	96	79.90	77.50	73.95	35.35	22.29	10.06		1.00	0.20	34.25	57.09	68.50				
	1.1		S35	C	Meadows or Cienegas, Fair	80	63	94	0.69	0.67	0.63	0.25	0.14	0.04		1.00	0.25	0.33	0.55	0.66				
	126		S35	B	Open Brush, Fair	66	46	84	51.31	47.65	42.51	6.55	0.79	0.00		1.00	0.30	37.80	63.00	75.60				
	424.56		S35	C	Open Brush, Fair	77	59	92	246.39	235.40	219.49	77.40	37.31	7.83		1.00	0.25	127.37	212.28	254.74				
	54.86		S35	D	Open Brush, Fair	83	67	96	37.43	36.23	34.46	15.82	9.66	4.06		1.00	0.20	16.46	27.43	32.92				
	16.14		S35	B	Residential 5-7 dwellings/acre	56	36	76	9.90	9.65	9.30	8.75	7.88	7.15		0.50	0.30	2.42	4.04	4.84				
	30.91		S35	D	Residential 5-7 dwellings/acre	75	57	91	23.30	22.84	22.16	20.97	18.75	16.24		0.50	0.20	4.64	7.73	9.27				
	362.85		S35	B	Row Crops, Poor	81	64	95	235.03	226.54	214.11	89.94	51.16	18.02		1.00	0.30	108.86	181.43	217.71				
	119.83		S35	C	Row Crops, Poor	88	75	98	92.42	90.37	87.30	49.40	35.07	20.09		1.00	0.25	35.95	59.92	71.90				
	8.4		S35	D	Row Crops, Poor	91	80	98	6.94	6.83	6.65	4.25	3.26	2.14		1.00	0.20	2.52	4.20	5.04				
	0.05		S35	B	School	56	36	76	0.03	0.03	0.03	0.02	0.02	0.02		0.60	0.30	0.01	0.02	0.02				
	1.64		S35	D	School	75	57	91	1.17	1.14	1.10	1.03	0.89	0.75		0.60	0.20	0.30	0.49	0.59				
	4.84		S35	B	Woodland, Grass, Fair	65	45	83	1.90	1.76	1.56	0.21	0.02	0.00		1.00	0.30	1.45	2.42	2.90				
	9.84		S35	C	Woodland, Grass, Fair	77	59	92	5.71	5.46	5.09	1.79	0.86	0.18		1.00	0.25	2.95	4.92	5.90				
	3.46	HZ-201	S36	C	Chaparral, Broadleaf, Fair	75	57	91	1.89	1.80	1.67	0.53	0.23	0.03		1.00	0.25	1.04	1.73	2.08				
	47.86	HZ-201	S36	B	Fallow	86	72	97	35.19	34.27	32.91	17.11	11.47	5.88		1.00	0.30	14.36	23.93	28.72				
	20.03	HZ-201	S36	C	Fallow	91	80	98	16.55	16.28	15.86	10.13	7.77	5.11		1.00	0.25	6.01	10.01	12.02				
	12.53	HZ-201	S36	D	Fallow	94	85	99	11.06	10.94	10.75	7.74	6.41	4.76		1.00	0.20	3.76	6.26	7.52				
	3.57	HZ-201	S36	C	Grass, Annual or Perennial, Fair	79	62	93	2.19	2.10	1.97	0.76	0.40	0.11		1.00	0.25	1.07	1.79	2.14				
	0.01	HZ-201	S36	D	Meadows or Cienegas, Fair	84	69	96	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00				
	3.11	HZ-201	S36	B	Open Brush, Fair	66	46	84	1.27	1.18	1.05	0.16	0.02	0.00		1.00	0.30	0.93	1.56	1.87				
	42.80	HZ-201	S36	C	Open Brush, Fair	77	59	92	24.84	23.73	22.13	7.80	3.76	0.79		1.00	0.25	12.84	21.40	25.68				
	0.10	HZ-201	S36	B	Woodland, Grass, Fair	65																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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						
						II	I	III	100	50	25	10	5	2	100	HC					> 5	5	2	All			
																AMC 1/AMCII								5.63			
																								EV		HC	

	12.39	HZ-202	S36	B	Orchards, Evergreen, Fair	65	45	83	4.86	4.50	4.00	0.54	0.04	0.00		1.00	0.30	3.72	6.20	7.44	
	2.30	HZ-202	S36	D	Orchards, Evergreen, Fair	82	66	95	1.53	1.48	1.40	0.62	0.36	0.14		1.00	0.20	0.69	1.15	1.38	
	5.19	HZ-202	S36	B	Row Crops, Poor	81	64	95	3.36	3.24	3.06	1.29	0.73	0.26		1.00	0.30	1.56	2.59	3.11	
	28.71	HZ-202	S36	D	Row Crops, Poor	91	80	98	23.73	23.33	22.74	14.52	11.15	7.33		1.00	0.20	8.61	14.35	17.23	
	0.17	HZ-202	S36	D	Woodland, Grass, Fair	82	66	95	0.11	0.11	0.10	0.04	0.03	0.01		1.00	0.20	0.05	0.08	0.10	
	5.29	HZ-203	S36	B	Grass, Annual or Perennial, Fair	69	50	86	2.39	2.24	2.03	0.43	0.10	0.00		1.00	0.30	1.59	2.64	3.17	
	31.25	HZ-203	S36	D	Grass, Annual or Perennial, Fair	84	69	96	21.87	21.21	20.24	9.67	6.10	2.75		1.00	0.20	9.37	15.62	18.75	
	0.22	HZ-203	S36	B	Open Brush, Fair	66	46	84	0.09	0.08	0.08	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13	
	6.26	HZ-203	S36	D	Open Brush, Fair	83	67	96	4.27	4.13	3.93	1.80	1.10	0.46		1.00	0.20	1.88	3.13	3.76	
	0.06	HZ-203	S36	B	Orchards, Evergreen, Fair	65	45	83	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04	
	0.22	HZ-203	S36	D	Orchards, Evergreen, Fair	82	66	95	0.15	0.14	0.14	0.06	0.04	0.01		1.00	0.20	0.07	0.11	0.13	
	2.47	HZ-203	S36	B	Public Park	56	36	76	0.91	0.85	0.77	0.65	0.46	0.34		0.85	0.30	0.63	1.05	1.26	
	3.06	HZ-203	S36	D	Public Park	75	57	91	1.87	1.80	1.69	1.52	1.19	0.85		0.85	0.20	0.78	1.30	1.56	
	17.76	HZ-203	S36	B	Residential 5-7 dwellings/acre	56	36	76	10.90	10.62	10.23	9.62	8.67	7.87		0.50	0.30	2.66	4.44	5.33	
	7.31	HZ-203	S36	D	Residential 5-7 dwellings/acre	75	57	91	5.51	5.40	5.24	4.96	4.44	3.84		0.50	0.20	1.10	1.83	2.19	
	0.34	HZ-203	S36	B	Row Crops, Poor	81	64	95	0.22	0.21	0.20	0.08	0.05	0.02		1.00	0.30	0.10	0.17	0.20	
	8.22	HZ-203	S36	D	Row Crops, Poor	91	80	98	6.79	6.68	6.51	4.15	3.19	2.10		1.00	0.20	2.46	4.11	4.93	
	0.53	HZ-203	S36	D	Woodland, Grass, Fair	82	66	95	0.35	0.34	0.32	0.14	0.08	0.03		1.00	0.20	0.16	0.27	0.32	
	2.57	HZ-204	S36	B	Fallow	86	72	97	1.89	1.84	1.76	0.92	0.61	0.32		1.00	0.30	0.77	1.28	1.54	
	1.97	HZ-204	S36	D	Fallow	94	85	99	1.74	1.72	1.69	1.22	1.01	0.75		1.00	0.20	0.59	0.98	1.18	
	1.00	HZ-204	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.45	0.43	0.38	0.08	0.02	0.00		1.00	0.30	0.30	0.50	0.60	
	2.98	HZ-204	S36	D	Grass, Annual or Perennial, Fair	84	69	96	2.09	2.02	1.93	0.92	0.58	0.26		1.00	0.20	0.89	1.49	1.79	
	2.39	HZ-204	S36	B	Open Brush, Fair	66	46	84	0.97	0.90	0.81	0.12	0.02	0.00		1.00	0.30	0.72	1.20	1.43	
	1.67	HZ-204	S36	C	Open Brush, Fair	77	59	92	0.97	0.93	0.86	0.30	0.15	0.03		1.00	0.25	0.50	0.84	1.00	
	0.44	HZ-204	S36	D	Open Brush, Fair	83	67	96	0.30	0.29	0.27	0.13	0.08	0.03		1.00	0.20	0.13	0.22	0.26	
	2.65	HZ-204	S36	B	Public Park	56	36	76	0.98	0.92	0.83	0.69	0.50	0.36		0.85	0.30	0.67	1.12	1.35	
	1.16	HZ-204	S36	D	Public Park	75	57	91	0.71	0.68	0.64	0.57	0.45	0.32		0.85	0.20	0.30	0.49	0.59	
	0.47	HZ-204	S36	B	Residential 5-7 dwellings/acre	56	36	76	0.29	0.28	0.27	0.26	0.23	0.21		0.50	0.30	0.07	0.12	0.14	
	0.25	HZ-204	S36	D	Residential 5-7 dwellings/acre	75	57	91	0.19	0.19	0.18	0.17	0.15	0.13		0.50	0.20	0.04	0.06	0.08	
	20.24	HZ-204	S36	B	Row Crops, Poor	81	64	95	13.11	12.64	11.94	5.02	2.85	1.00		1.00	0.30	6.07	10.12	12.14	
	7.08	HZ-204	S36	C	Row Crops, Poor	88	75	98	5.46	5.34	5.16	2.92	2.07	1.19		1.00	0.25	2.12	3.54	4.25	
	6.74	HZ-204	S36	D	Row Crops, Poor	91	80	98	5.57	5.48	5.34	3.41	2.62	1.72		1.00	0.20	2.02	3.37	4.05	
	0.02	HZ-204	S36	C	Woodland, Grass, Fair	77	59	92	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.25	0.01	0.01	0.01	
	0.93	HZ-204	S36	D	Woodland, Grass, Fair	82	66	95	0.62	0.60	0.57	0.25	0.15	0.06		1.00	0.20	0.28	0.46	0.56	
	2.55	HZ-205	S36	B	Fallow	86	72	97	1.87	1.83	1.75	0.91	0.61	0.31		1.00	0.30	0.76	1.27	1.53	
	0.01	HZ-205	S36	C	Fallow	91	80	98	0.01	0.01	0.01	0.01	0.00	0.00		1.00	0.25	0.00	0.01	0.01	
	1.35	HZ-205	S36	D	Fallow	94	85	99	1.20	1.18	1.16	0.84	0.69	0.51		1.00	0.20	0.41	0.68	0.81	
	0.44	HZ-205	S36	A	Grass, Annual or Perennial, Fair	50	31	70	0.08	0.07	0.06	0.00	0.00	0.00		1.00	0.40	0.13	0.22	0.27	
	0.67	HZ-205	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.47	0.45	0.43	0.21	0.13	0.06		1.00	0.20	0.20	0.33	0.40	
	1.06	HZ-205	S36	A	Open Brush, Fair	46	28	66	0.15	0.13	0.10	0.00	0.00	0.00		1.00	0.40	0.32	0.53	0.63	
	2.16	HZ-205	S36	B	Open Brush, Fair	66	46	84	0.88	0.82	0.73	0.11	0.01	0.00		1.00	0.30	0.65	1.08	1.30	
	2.45	HZ-205	S36	C	Open Brush, Fair	77	59	92	1.42	1.36	1.27	0.45	0.22	0.05		1.00	0.25	0.73	1.22	1.47	
	6.15	HZ-205	S36	D	Open Brush, Fair	83	67	96	4.19	4.06	3.86	1.77	1.08	0.45		1.00	0.20	1.84	3.07	3.69	
	1.34	HZ-205	S36	A	Row Crops, Poor	72	53	89	0.67	0.63	0.58	0.15	0.05	0.00		1.00	0.40	0.40	0.67	0.80	
	18.46	HZ-205	S36	B	Row Crops, Poor	81	64	95	11.96	11.52	10.89	4.57	2.60	0.92		1.00	0.30	5.54	9.23	11.07	
	4.13	HZ-205	S36	C	Row Crops, Poor	88	75	98	3.19	3.12	3.01	1.70	1.21	0.69		1.00	0.25	1.24	2.07	2.48	
	8.69	HZ-205	S36	D	Row Crops, Poor	91	80	98	7.18	7.06	6.88	4.39	3.37	2.22		1.00	0.20	2.61	4.34	5.21	
	0.73	HZ-205	S36	A	Woodland, Grass, Fair	44	26	64	0.09	0.07	0.05	0.00	0.00	0.00		1.00	0.40	0.22	0.36	0.44	
	0.41	HZ-205	S36	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.21	0.25	
	1.37	HZ-205	S36	C	Woodland, Grass, Fair	77	59	92	0.79	0.76	0.71	0.25	0.12	0.03		1.00	0.25	0.41	0.68	0.82	
	3.11	HZ-205	S36	D	Woodland, Grass, Fair	82	66	95	2.07	2.00	1.89	0.83	0.49	0.19		1.00	0.20	0.93	1.55	1.87	
	3.39	S36-00.5	S36	D	Open Brush, Fair	83	67	96	2.32	2.24	2.13	0.98	0.60	0.25		1.00	0.20	1.02	1.70	2.04	
	0.00	S36-01	S36	B	Open Brush, Fair	66	46	84	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00	
	7.45	S36-01	S36	D	Open Brush, Fair	83	67	96	5.08	4.92	4.68	2.15	1.31	0.55		1.00	0.20	2.23	3.72	4.47	
	0.32	S36-02	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.22	0.22	0.21	0.10	0.06	0.03		1.00	0.20	0.10	0.16	0.19	
	4.70	S36-02	S36	B	Open Brush, Fair	66	46	84	1.91	1.78	1.59	0.24	0.03	0.00		1.00	0.30	1.41	2.35	2.82	
	25.05	S36-02	S36	D	Open Brush, Fair	83	67	96	17.09	16.54	15.74	7.22	4.41	1.85		1.00	0.20	7.51	12.52	15.03	
	0.45	S36-02	S36	B	Woodland, Grass, Fair	65	45	83	0.17	0.16	0.14	0.02	0.00	0.00		1.00	0.30	0.13	0.22	0.27	
	0.44	S36-02	S36	D	Woodland, Grass, Fair	82	66	95	0.30	0.29	0.27	0.12	0.07	0.03		1.00	0.20	0.13	0.22	0.27	
	7.03	S36-03	S36	B	Fallow	86	72	97	5.17	5.03	4.83	2.51	1.68	0.86		1.00	0.30	2.11	3.51	4.22	
	2.51	S36-03	S36	D	Fallow	94	85	99	2.21	2.19	2.15	1.55	1.28	0.95		1.00	0.20	0.75	1.25	1.51	
	1.52	S36-03	S36	B	Open Brush, Fair	66	46	84	0.62	0.58	0.										

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN			Low Loss Fraction (1-Y) x Area								A ₀	F _p	Maximum Loss Rate (F _m) x Area				
									Storm Event (Year)							HC							
									EV				100			100							
						100	50	25	10	5	2	100											
						AMC			P ₂₄ (Inches)					5.63									
II	I	III	AMC 1/AMCII																				
	2.36	S36-04.5	S36	D	Fallow	94	85	99	2.08	2.06	2.02	1.46	1.21	0.90	1.00	0.20	0.71	1.18	1.41				
	0.60	S36-04.5	S36	B	Meadows or Cienegas, Fair	70	51	87	0.28	0.26	0.24	0.05	0.02	0.00	1.00	0.30	0.18	0.30	0.36				
	0.22	S36-04.5	S36	D	Meadows or Cienegas, Fair	84	69	96	0.15	0.15	0.14	0.07	0.04	0.02	1.00	0.20	0.07	0.11	0.13				
	2.22	S36-04.5	S36	B	Open Brush, Fair	66	46	84	0.90	0.84	0.75	0.12	0.01	0.00	1.00	0.30	0.67	1.11	1.33				
	3.42	S36-04.5	S36	D	Open Brush, Fair	83	67	96	2.34	2.26	2.15	0.99	0.60	0.25	1.00	0.20	1.03	1.71	2.05				
	1.44	S36-04.5	S36	B	Woodland, Grass, Fair	65	45	83	0.56	0.52	0.46	0.06	0.00	0.00	1.00	0.30	0.43	0.72	0.86				
	0.01	S36-04.5	S36	D	Woodland, Grass, Fair	82	66	95	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.20	0.00	0.00	0.00				
	5.39	S36-21	S36	D	Chaparral, Broadleaf, Fair	81	64	95	3.49	3.36	3.18	1.34	0.76	0.27	1.00	0.20	1.62	2.69	3.23				
	16.30	S36-21	S36	B	Fallow	86	72	97	11.99	11.67	11.21	5.83	3.91	2.00	1.00	0.30	4.89	8.15	9.78				
	4.08	S36-21	S36	C	Fallow	91	80	98	3.37	3.32	3.23	2.06	1.59	1.04	1.00	0.25	1.22	2.04	2.45				
	12.36	S36-21	S36	D	Fallow	94	85	99	10.92	10.80	10.61	7.64	6.33	4.70	1.00	0.20	3.71	6.18	7.42				
	11.23	S36-21	S36	B	Open Brush, Fair	66	46	84	4.57	4.25	3.79	0.58	0.07	0.00	1.00	0.30	3.37	5.61	6.74				
	5.16	S36-21	S36	C	Open Brush, Fair	77	59	92	2.99	2.86	2.67	0.94	0.45	0.10	1.00	0.25	1.55	2.58	3.09				
	53.93	S36-21	S36	D	Open Brush, Fair	83	67	96	36.80	35.62	33.88	15.55	9.50	3.99	1.00	0.20	16.18	26.97	32.36				
	0.44	S36-21	S36	B	Woodland, Grass, Fair	65	45	83	0.17	0.16	0.14	0.02	0.00	0.00	1.00	0.30	0.13	0.22	0.27				
	3.98	S36-21	S36	D	Woodland, Grass, Fair	82	66	95	2.64	2.55	2.42	1.06	0.63	0.24	1.00	0.20	1.19	1.99	2.39				
	0.96	S36-41	S36	C	Chaparral, Broadleaf, Fair	75	57	91	0.53	0.50	0.46	0.15	0.06	0.01	1.00	0.25	0.29	0.48	0.58				
	0.01	S36-41	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.20	0.00	0.00	0.00				
	1.56	S36-41	S36	B	Chaparral, Narrowleaf, Fair	72	53	89	0.78	0.73	0.67	0.18	0.06	0.00	1.00	0.30	0.47	0.78	0.93				
	10.45	S36-41	S36	D	Chaparral, Narrowleaf, Fair	86	72	97	7.68	7.48	7.19	3.74	2.50	1.28	1.00	0.20	3.14	5.23	6.27				
	44.94	S36-41	S36	B	Fallow	86	72	97	33.04	32.18	30.90	16.07	10.77	5.52	1.00	0.30	13.48	22.47	26.96				
	9.66	S36-41	S36	C	Fallow	91	80	98	7.98	7.85	7.65	4.88	3.75	2.47	1.00	0.25	2.90	4.83	5.80				
	16.49	S36-41	S36	D	Fallow	94	85	99	14.56	14.40	14.16	10.20	8.44	6.27	1.00	0.20	4.95	8.25	9.90				
	20.39	S36-41	S36	D	Grass, Annual or Perennial, Fair	84	69	96	14.27	13.84	13.21	6.31	3.98	1.80	1.00	0.20	6.12	10.19	12.23				
	7.02	S36-41	S36	B	Open Brush, Fair	66	46	84	2.86	2.65	2.37	0.36	0.04	0.00	1.00	0.30	2.10	3.51	4.21				
	12.58	S36-41	S36	C	Open Brush, Fair	77	59	92	7.30	6.98	6.51	2.29	1.11	0.23	1.00	0.25	3.78	6.29	7.55				
	42.49	S36-41	S36	D	Open Brush, Fair	83	67	96	28.99	28.06	26.70	12.25	7.48	3.14	1.00	0.20	12.75	21.25	25.50				
	5.73	S36-41	S36	B	Woodland, Grass, Fair	65	45	83	2.25	2.08	1.85	0.25	0.02	0.00	1.00	0.30	1.72	2.86	3.44				
	1.78	S36-41	S36	C	Woodland, Grass, Fair	77	59	92	1.03	0.99	0.92	0.32	0.16	0.03	1.00	0.25	0.53	0.89	1.07				
	6.25	S36-41	S36	D	Woodland, Grass, Fair	82	66	95	4.15	4.01	3.80	1.67	0.99	0.38	1.00	0.20	1.87	3.12	3.75				
	0.67	S36-42	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.24	0.22	0.20	0.02	0.00	0.00	1.00	0.30	0.20	0.33	0.40				
	24.24	S36-42	S36	C	Chaparral, Broadleaf, Fair	75	57	91	13.27	12.62	11.69	3.73	1.62	0.21	1.00	0.25	7.27	12.12	14.55				
	1.34	S36-42	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.87	0.83	0.79	0.33	0.19	0.07	1.00	0.20	0.40	0.67	0.80				
	0.00	S36-42	S36	C	Commercial, Industrial	69	50	86	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.25	0.00	0.00	0.00				
	74.98	S36-42	S36	B	Fallow	86	72	97	55.13	53.69	51.55	26.81	17.97	9.22	1.00	0.30	22.49	37.49	44.99				
	101.12	S36-42	S36	C	Fallow	91	80	98	83.57	82.19	80.10	51.13	39.26	25.82	1.00	0.25	30.34	50.56	60.67				
	16.90	S36-42	S36	D	Fallow	94	85	99	14.92	14.76	14.51	10.45	8.65	6.43	1.00	0.20	5.07	8.45	10.14				
	9.95	S36-42	S36	C	Grass, Annual or Perennial, Fair	79	62	93	6.11	5.86	5.50	2.12	1.11	0.31	1.00	0.25	2.99	4.98	5.97				
	10.02	S36-42	S36	D	Grass, Annual or Perennial, Fair	84	69	96	7.01	6.80	6.49	3.10	1.96	0.88	1.00	0.20	3.01	5.01	6.01				
	4.45	S36-42	S36	B	Open Brush, Fair	66	46	84	1.81	1.68	1.50	0.23	0.03	0.00	1.00	0.30	1.33	2.22	2.67				
	179.37	S36-42	S36	C	Open Brush, Fair	77	59	92	104.09	99.45	92.73	32.70	15.76	3.31	1.00	0.25	53.81	89.68	107.62				
	11.47	S36-42	S36	D	Open Brush, Fair	83	67	96	7.82	7.57	7.20	3.31	2.02	0.85	1.00	0.20	3.44	5.73	6.88				
	0.17	S36-42	S36	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.04	0.85	0.25	0.04	0.07	0.09				
	0.03	S36-42	S36	D	Public Park	75	57	91	0.02	0.02	0.02	0.02	0.01	0.01	0.85	0.20	0.01	0.01	0.02				
	5.14	S36-42	S36	B	Woodland, Grass, Fair	65	45	83	2.02	1.87	1.66	0.22	0.02	0.00	1.00	0.30	1.54	2.57	3.08				
	11.22	S36-42	S36	C	Woodland, Grass, Fair	77	59	92	6.51	6.22	5.80	2.05	0.99	0.21	1.00	0.25	3.37	5.61	6.73				
	0.33	S36-42	S36	D	Woodland, Grass, Fair	82	66	95	0.22	0.21	0.20	0.09	0.05	0.02	1.00	0.20	0.10	0.16	0.20				
	0.22	S36-43	S36	B	Barren	86	72	97	0.16	0.16	0.15	0.08	0.05	0.03	1.00	0.30	0.07	0.11	0.13				
	2.17	S36-43	S36	C	Barren	91	80	98	1.80	1.77	1.72	1.10	0.84	0.55	1.00	0.25	0.65	1.09	1.30				
	9.19	S36-43	S36	C	Chaparral, Broadleaf, Fair	75	57	91	5.03	4.78	4.43	1.41	0.61	0.08	1.00	0.25	2.76	4.59	5.51				
	67.57	S36-43	S36	B	Fallow	86	72	97	49.68	48.38	46.45	24.16	16.19	8.31	1.00	0.30	20.27	33.78	40.54				
	35.19	S36-43	S36	C	Fallow	91	80	98	29.08	28.60	27.87	17.79	13.66	8.98	1.00	0.25	10.56	17.59	21.11				
	30.67	S36-43	S36	D	Fallow	94	85	99	27.08	26.79	26.33	18.96	15.69	11.67	1.00	0.20	9.20	15.34	18.40				
	0.89	S36-43	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.40	0.38	0.34	0.07	0.02	0.00	1.00	0.30	0.27	0.45	0.54				
	20.64	S36-43	S36	C	Grass, Annual or Perennial, Fair	79	62	93	12.67	12.16	11.42	4.39	2.31	0.65	1.00	0.25	6.19	10.32	12.39				
	2.69	S36-43	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.89	1.83	1.74	0.83	0.53	0.24	1.00	0.20	0.81	1.35	1.62				
	8.45	S36-43	S36	B	Open Brush, Fair	66	46	84	3.44	3.20	2.85	0.44	0.05	0.00	1.00	0.30	2.54	4.23	5.07				
	96.93	S36-43	S36	C	Open Brush, Fair	77	59	92	56.25	53.74	50.11	17.67	8.52	1.79	1.00	0.25	29.08	48.46	58.16				
	13.19	S36-43	S36	D	Open Brush, Fair	83	67	96	9.00	8.71	8.29	3.80	2.32	0.98	1.00	0.20	3.96	6.60	7.92				
	42.53	S36-43	S36	B	Row Crops, Poor	81	64	95	27.55	26.56	25.10	10.54	6.00	2.11	1.00	0.30	12.76	21.27	25.52				
	16.96	S36-43	S36	C	Row Crops, Poor	88	75	98	13.08	12.79	12.35	6.99	4.96	2.84	1.00	0.25	5.09	8.48	10.17				
	80.60	S36-43	S36	D	Row Crops, Poor	91	80	98	66.62	65.51	63.85	40.76	31.29	20.58	1.00	0.20	24.18	40.30	48.36				
	1.56	S36-43	S36	B	Woodland, Grass, Fair	65	45	83	0.61	0.57	0.50	0.07	0.01	0.00	1.00	0.30	0.47	0.78	0.93				
	2.00	S36-43	S36	C	Woodland, Grass, Fair	77	59	92	1.16	1.11	1.04	0.37	0.18	0.04	1.00	0.25	0.60	1.00	1.20				
	3.11	S36-43	S36	D	Woodland, Grass, Fair	82	66	95	2.07	2.00	1.90	0.83	0.49	0.19	1.00	0.20	0.93	1.56	1.87				
	0.89	S36-61	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.32	0.30	0.26	0.03	0.00	0.00	1.00	0.30	0.27	0.44	0.53				
	23.73	S36-61	S36	C	Chaparral, Broadleaf, Fair	75	57	91	12.99	12.35	11.44	3.65	1.58	0.21	1.00	0.25	7.12	11.68	14.24				
	0.27	S36-61	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.17	0.17	0.16	0.07	0.04	0.01	1.00	0.20	0.08	0.13	0.16				
	19.87	S36-61	S36	B	Fallow	86	72	97	14.61	14.23	13.66	7.10	4.76	2.44	1.00	0.30	5.96	9.93	11.92				
	6.40	S36-61	S36	C	Fallow	91	80	98	5.29	5.20	5.07	3.24	2.48	1.63	1.00	0.25	1.92	3.20	3.84				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III				AMC 1/AMCII											

	3.14	S36-61	S36	D	Fallow	94	85	99	2.78	2.75	2.70	1.94	1.61	1.20		1.00	0.20	0.94	1.57	1.89	
	0.67	S36-61	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.30	0.28	0.26	0.05	0.01	0.00		1.00	0.30	0.20	0.33	0.40	
	9.52	S36-61	S36	C	Grass, Annual or Perennial, Fair	79	62	93	5.84	5.61	5.26	2.02	1.06	0.30		1.00	0.25	2.85	4.76	5.71	
	0.71	S36-61	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.50	0.48	0.46	0.22	0.14	0.06		1.00	0.20	0.21	0.36	0.43	
	0.22	S36-61	S36	B	Open Brush, Fair	66	46	84	0.09	0.08	0.08	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13	
	39.42	S36-61	S36	C	Open Brush, Fair	77	59	92	22.88	21.86	20.38	7.19	3.46	0.73		1.00	0.25	11.83	19.71	23.65	
	0.62	S36-61	S36	D	Open Brush, Fair	83	67	96	0.42	0.41	0.39	0.18	0.11	0.05		1.00	0.20	0.18	0.31	0.37	
	0.11	S36-61	S36	B	Orchards, Evergreen, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.77	S36-61	S36	D	Orchards, Evergreen, Fair	82	66	95	0.51	0.49	0.47	0.21	0.12	0.05		1.00	0.20	0.23	0.39	0.46	
	0.22	S36-61	S36	B	Woodland, Grass, Fair	65	45	83	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13	
	2.69	S36-61	S36	D	Woodland, Grass, Fair	82	66	95	1.79	1.73	1.64	0.72	0.42	0.16		1.00	0.20	0.81	1.34	1.61	
	0.22	S36-62	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13	
	9.22	S36-62	S36	C	Chaparral, Broadleaf, Fair	75	57	91	5.05	4.80	4.45	1.42	0.62	0.08		1.00	0.25	2.77	4.61	5.53	
	0.54	S36-62	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.35	0.34	0.32	0.13	0.08	0.03		1.00	0.20	0.16	0.27	0.32	
	5.65	S36-62	S36	B	Fallow	86	72	97	4.15	4.04	3.88	2.02	1.35	0.69		1.00	0.30	1.69	2.82	3.39	
	3.66	S36-62	S36	C	Fallow	91	80	98	3.02	2.97	2.90	1.85	1.42	0.93		1.00	0.25	1.10	1.83	2.19	
	0.67	S36-62	S36	D	Fallow	94	85	99	0.59	0.58	0.57	0.41	0.34	0.25		1.00	0.20	0.20	0.33	0.40	
	1.56	S36-62	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.70	0.66	0.60	0.13	0.03	0.00		1.00	0.30	0.47	0.78	0.93	
	9.40	S36-62	S36	C	Grass, Annual or Perennial, Fair	79	62	93	5.77	5.54	5.20	2.00	1.05	0.30		1.00	0.25	2.82	4.70	5.64	
	2.76	S36-62	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.93	1.87	1.79	0.85	0.54	0.24		1.00	0.20	0.83	1.38	1.65	
	17.38	S36-62	S36	C	Open Brush, Fair	77	59	92	10.08	9.63	8.98	3.17	1.53	0.32		1.00	0.25	5.21	8.69	10.43	
	2.46	S36-62	S36	D	Open Brush, Fair	83	67	96	1.68	1.63	1.55	0.71	0.43	0.18		1.00	0.20	0.74	1.23	1.48	
	5.56	S36-62	S36	B	Orchards, Evergreen, Fair	65	45	83	2.18	2.02	1.79	0.24	0.02	0.00		1.00	0.30	1.67	2.78	3.34	
	0.65	S36-62	S36	C	Orchards, Evergreen, Fair	77	59	92	0.38	0.36	0.34	0.12	0.06	0.01		1.00	0.25	0.20	0.33	0.39	
	1.70	S36-62	S36	D	Woodland, Grass, Fair	82	66	95	1.13	1.09	1.04	0.46	0.27	0.10		1.00	0.20	0.51	0.85	1.02	
	0.22	S36-81	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13	
	5.28	S36-81	S36	C	Chaparral, Broadleaf, Fair	75	57	91	2.89	2.75	2.55	0.81	0.35	0.05		1.00	0.25	1.58	2.64	3.17	
	0.52	S36-81	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.33	0.31	0.13	0.07	0.03		1.00	0.20	0.16	0.26	0.31	
	3.61	S36-81	S36	B	Fallow	86	72	97	2.65	2.58	2.48	1.29	0.86	0.44		1.00	0.30	1.08	1.80	2.17	
	0.67	S36-81	S36	C	Fallow	91	80	98	0.55	0.54	0.53	0.34	0.26	0.17		1.00	0.25	0.20	0.33	0.40	
	1.37	S36-81	S36	D	Fallow	94	85	99	1.21	1.19	1.17	0.85	0.70	0.52		1.00	0.20	0.41	0.68	0.82	
	6.90	S36-81	S36	B	Grass, Annual or Perennial, Fair	69	50	86	3.12	2.92	2.64	0.56	0.14	0.00		1.00	0.30	2.07	3.45	4.14	
	23.04	S36-81	S36	C	Grass, Annual or Perennial, Fair	79	62	93	14.14	13.57	12.74	4.90	2.58	0.73		1.00	0.25	6.91	11.52	13.82	
	1.18	S36-81	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.83	0.80	0.77	0.37	0.23	0.10		1.00	0.20	0.35	0.59	0.71	
	1.56	S36-81	S36	B	Open Brush, Fair	66	46	84	0.63	0.59	0.53	0.08	0.01	0.00		1.00	0.30	0.47	0.78	0.94	
	53.20	S36-81	S36	C	Open Brush, Fair	77	59	92	30.87	29.50	27.50	9.70	4.68	0.98		1.00	0.25	15.96	26.60	31.92	
	2.08	S36-81	S36	D	Open Brush, Fair	83	67	96	1.42	1.37	1.31	0.60	0.37	0.15		1.00	0.20	0.62	1.04	1.25	
	0.01	S36-81	S36	C	Orchards, Evergreen, Fair	77	59	92	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.25	0.00	0.01	0.01	
	0.18	S36-81	S36	B	Row Crops, Poor	81	64	95	0.12	0.11	0.11	0.04	0.03	0.01		1.00	0.30	0.05	0.09	0.11	
	0.39	S36-81	S36	D	Row Crops, Poor	91	80	98	0.32	0.31	0.31	0.19	0.15	0.10		1.00	0.20	0.12	0.19	0.23	
	0.22	S36-81	S36	B	Woodland, Grass, Fair	65	45	83	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13	
	7.73	S36-81	S36	C	Woodland, Grass, Fair	77	59	92	4.49	4.29	4.00	1.41	0.68	0.14		1.00	0.25	2.32	3.87	4.64	
	4.37	S36-81	S36	D	Woodland, Grass, Fair	82	66	95	2.91	2.81	2.66	1.17	0.69	0.27		1.00	0.20	1.31	2.19	2.62	
	8.49	S36-83	S36	B	Fallow	86	72	97	6.24	6.08	5.84	3.04	2.03	1.04		1.00	0.30	2.55	4.25	5.09	
	13.30	S36-83	S36	C	Fallow	91	80	98	11.00	10.81	10.54	6.73	5.17	3.40		1.00	0.25	3.99	6.65	7.98	
	0.87	S36-83	S36	D	Fallow	94	85	99	0.77	0.76	0.75	0.54	0.45	0.33		1.00	0.20	0.26	0.43	0.52	
	20.26	S36-83	S36	C	Grass, Annual or Perennial, Fair	79	62	93	12.44	11.94	11.21	4.31	2.27	0.64		1.00	0.25	6.08	10.13	12.16	
	1.21	S36-83	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.85	0.82	0.78	0.37	0.24	0.11		1.00	0.20	0.36	0.60	0.72	
	0.05	S36-83	S36	A	Open Brush, Fair	46	28	66	0.01	0.01	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.03	0.03	
	12.56	S36-83	S36	C	Open Brush, Fair	77	59	92	7.29	6.96	6.49	2.29	1.10	0.23		1.00	0.25	3.77	6.28	7.53	
	0.81	S36-83	S36	D	Open Brush, Fair	83	67	96	0.55	0.53	0.51	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.49	
	0.00	S36-83	S36	B	Row Crops, Poor	81	64	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00	
	0.01	S36-83	S36	D	Row Crops, Poor	91	80	98	0.01	0.01	0.01	0.01	0.01	0.00		1.00	0.20	0.00	0.01	0.01	
	0.00	S36-83	S36	A	Woodland, Grass, Fair	44	26	64	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00	
	1.11	S36-83	S36	B	Woodland, Grass, Fair	65	45	83	0.44	0.40	0.36	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.67	
	0.59	S36-83	S36	C	Woodland, Grass, Fair	77	59	92	0.34	0.32	0.30	0.11	0.05	0.01		1.00	0.25	0.18	0.29	0.35	
	3.04	S36-83	S36	D	Woodland, Grass, Fair	82	66	95	2.02	1.95	1.85	0.82	0.48	0.19		1.00	0.20	0.91	1.52	1.83	
	0.23	S36-86	S36	C	Open Brush, Fair	77	59	92	0.13	0.13	0.12	0.04	0.02	0.00		1.00	0.25	0.07	0.11	0.14	
	1.52	S36-86	S36	D	Open Brush, Fair	83	67	96	1.04	1.00	0.96	0.44	0.27	0.11		1.00	0.20	0.46	0.76	0.91	
	0.06	S36-86	S36	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.03	0.03	
	0.13	S36-86	S36	C	Woodland, Grass, Fair	77	59	92	0.08	0.07	0.07	0.02	0.01	0.00		1.00	0.25	0.04	0.07	0.08	
	6.45	S36-86	S36	D	Woodland, Grass, Fair	82	66	95	4.29	4.14	3.93	1.73	1.02	0.39		1.00	0.20	1.93	3.22	3.87	
	0.1	PA-2	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02	
	1.3	PA-2	s36	B	Public Park	56	36	76	0.48	0.45	0.41	0.34	0.24	0.18		0.85	0.30	0.33	0.55	0.66	
	0.1	PA-2	s36	C	Residential 8-10 dwellings/acre	69	50	86	0.08	0.07	0.07	0.07	0.06	0.06		0.40	0.25	0.01	0.02	0.02	
	1.7	PA-2	s36	C	Public Park	69	50	86	0.90	0.86	0.80	0.70	0.52	0.36		0.85	0.25	0.43	0.72	0.87	
	0.1	PA-2	s36	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	2.9	PA-2	s36	B	Public Park	56	36	76	1.07	1.00	0.91	0.76	0.54	0.							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100								
						AMC			P ₂₄ (Inches)														
						II	I	III					AMC 1/AMCII	5.63									
	6.9	PA-2	s36	C	Public Park	69	50	86	3.65	3.48	3.23	2.83	2.13	1.45		0.85	0.25	1.76	2.93	3.52			
	0.4	PA-2	s36	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20			
	0.8	A1	s36	D	Residential 10+ dwellings/acre	75	57	91	0.70	0.70	0.69	0.67	0.63	0.59		0.20	0.20	0.05	0.08	0.10			
	0.5	A10	s36	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06			
	0.9	A10	s36	D	Commercial, Industrial	75	57	91	0.83	0.82	0.81	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05			
	3.9	A10	s36	D	Condominiums	75	57	91	3.18	3.14	3.07	2.95	2.73	2.46		0.35	0.20	0.41	0.68	0.82			
	14.6	A11	s36	D	Apartments	75	57	91	12.82	12.70	12.52	12.21	11.58	10.78		0.20	0.20	0.88	1.46	1.75			
	1.1	A11	s36	D	Commercial, Industrial	75	57	91	1.01	1.00	1.00	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	4.3	A11	s36	D	Condominiums	75	57	91	3.51	3.46	3.38	3.26	3.01	2.72		0.35	0.20	0.45	0.75	0.90			
	0.5	A12	s36	B	Residential 10+ dwellings/acre	56	36	76	0.41	0.41	0.40	0.39	0.37	0.35		0.20	0.30	0.03	0.05	0.06			
	10	A12	s36	D	Residential 10+ dwellings/acre	75	57	91	8.78	8.70	8.58	8.36	7.93	7.38		0.20	0.20	0.60	1.00	1.20			
	1.7	A12	s36	D	Apartments	75	57	91	1.49	1.48	1.46	1.42	1.35	1.25		0.20	0.20	0.10	0.17	0.20			
	0.5	A12	s36	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.40		0.10	0.20	0.02	0.03	0.03			
	1	A12	s36	D	Condominiums	75	57	91	0.82	0.80	0.79	0.76	0.70	0.63		0.35	0.20	0.11	0.18	0.21			
	0.6	A13	s36	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	0.1	A14	s36	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01			
	7.9	A14	s36	D	Residential 10+ dwellings/acre	75	57	91	6.93	6.87	6.78	6.60	6.27	5.83		0.20	0.20	0.47	0.79	0.95			
	4.1	A14	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.26	3.21	3.13	3.00	2.74	2.44		0.40	0.20	0.49	0.82	0.98			
	2.2	A14	s36	D	Apartments	75	57	91	1.93	1.91	1.89	1.84	1.74	1.62		0.20	0.20	0.13	0.22	0.26			
	0.2	A15	s36	B	Condominiums	56	36	76	0.14	0.14	0.14	0.13	0.12	0.11		0.35	0.30	0.02	0.04	0.04			
	4.5	A15	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.58	3.52	3.44	3.29	3.01	2.68		0.40	0.20	0.54	0.90	1.08			
	0.7	A15	s36	D	Apartments	75	57	91	0.61	0.61	0.60	0.59	0.56	0.52		0.20	0.20	0.04	0.07	0.08			
	0.4	A15	s36	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	3.5	A15	s36	D	Condominiums	75	57	91	2.86	2.81	2.76	2.65	2.45	2.21		0.35	0.20	0.37	0.61	0.74			
	2.9	A16	s36	B	Residential 8-10 dwellings/acre	56	36	76	1.98	1.94	1.89	1.80	1.66	1.54		0.40	0.30	0.35	0.58	0.70			
	1.4	A16	s36	B	Condominiums	56	36	76	1.00	0.99	0.96	0.93	0.86	0.80		0.35	0.30	0.15	0.25	0.29			
	4	A16	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.18	3.13	3.05	2.92	2.68	2.39		0.40	0.20	0.48	0.80	0.96			
	0.2	A16	s36	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01			
	2.7	A16	s36	D	Condominiums	75	57	91	2.20	2.17	2.13	2.04	1.89	1.71		0.35	0.20	0.28	0.47	0.57			
	0.2	A16	s36	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.04	0.01		1.00	0.20	0.06	0.10	0.12			
	1	A17	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.68	0.67	0.65	0.62	0.57	0.53		0.40	0.30	0.12	0.20	0.24			
	7.5	A17	s36	D	Residential 8-10 dwellings/acre	75	57	91	5.96	5.87	5.73	5.48	5.02	4.47		0.40	0.20	0.90	1.50	1.80			
	0.1	A17	s36	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	4.3	A18	s36	B	Residential 10+ dwellings/acre	56	36	76	3.53	3.50	3.45	3.36	3.21	3.03		0.20	0.30	0.26	0.43	0.52			
	0.7	A18	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.48	0.47	0.46	0.44	0.40	0.37		0.40	0.30	0.08	0.14	0.17			
	0.9	A18	s36	B	Commercial, Industrial	56	36	76	0.80	0.80	0.79	0.78	0.75	0.71		0.10	0.30	0.03	0.05	0.05			
	0.6	A18	s36	B	Condominiums	56	36	76	0.43	0.42	0.41	0.40	0.37	0.34		0.35	0.30	0.06	0.11	0.13			
	0.4	A18	s36	D	Residential 10+ dwellings/acre	75	57	91	0.35	0.35	0.34	0.33	0.32	0.30		0.20	0.20	0.02	0.04	0.05			
	0.2	A18	s36	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.13	0.12		0.40	0.20	0.02	0.04	0.05			
	0.1	A18	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	0.1	A18	s36	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	0.7	A19	s36	B	Residential 10+ dwellings/acre	56	36	76	0.58	0.57	0.56	0.55	0.52	0.49		0.20	0.30	0.04	0.07	0.08			
	5.1	A19	s36	B	Residential 8-10 dwellings/acre	56	36	76	3.48	3.41	3.32	3.17	2.93	2.70		0.40	0.30	0.61	1.02	1.22			
	0.3	A19	s36	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02			
	0.1	A19	s36	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05			
	0.8	A19	s36	D	Residential 10+ dwellings/acre	75	57	91	0.70	0.70	0.69	0.67	0.63	0.59		0.20	0.20	0.05	0.08	0.10			
	0.8	A19	s36	D	Residential 5-7 dwellings/acre	75	57	91	0.60	0.59	0.57	0.54	0.49	0.42		0.50	0.20	0.12	0.20	0.24			
	3.1	A19	s36	D	Residential 8-10 dwellings/acre	75	57	91	2.47	2.43	2.37	2.27	2.07	1.85		0.40	0.20	0.37	0.62	0.74			
	0.3	A19	s36	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	1.5	A19	s36	D	Public Park	75	57	91	0.91	0.88	0.83	0.74	0.58	0.42		0.85	0.20	0.38	0.64	0.77			
	2.3	A2	s36	D	Apartments	75	57	91	2.02	2.00	1.97	1.92	1.82	1.70		0.20	0.20	0.14	0.23	0.28			
	1	A2	s36	D	Commercial, Industrial	75	57	91	0.92	0.91	0.90	0.89	0.86	0.81		0.10	0.20	0.03	0.05	0.06			
	2.6	A3	s36	D	Residential 10+ dwellings/acre	75	57	91	2.28	2.26	2.23	2.17	2.06	1.92		0.20	0.20	0.16	0.26	0.31			
	1.2	A4	s36	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.89		0.20	0.20	0.07	0.12	0.14			
	0.1	A4	s36	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	2.4	A4	s36	D	Commercial, Industrial	75	57	91	2.21	2.19	2.17	2.13	2.05	1.94		0.10	0.20	0.07	0.12	0.14			
	4.4	A5	s36	D	Apartments	75	57	91	3.86	3.83	3.77	3.68	3.49	3.25		0.20	0.20	0.26	0.44	0.53			
	18.2	A5	s36	D	Commercial, Industrial	75	57	91	16.73	16.62	16.46	16.17	15.56	14.72		0.10	0.20	0.55	0.91	1.09			
	6.2	A6	s36	D	Apartments	75	57	91	5.44	5.39	5.32	5.18	4.92	4.58		0.20	0.20	0.37	0.62	0.74			
	0.1	A6	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	15.3	A7	s36	D	Commercial, Industrial	75	57	91	14.06	13.97	13.84	13.60	13.08	12.38		0.10	0.20	0.46	0.77	0.92			
	0.7	A7	s36	D	Public Park	75	57	91	0.43	0.41	0.39	0.35	0.27	0.19		0.85	0.20	0.18	0.30	0.36			
	2.1	A8	s36	B	Public Park	56	36	76	0.78	0.73	0.66	0.55	0.39	0.29		0.85	0.30	0.54	0.89	1.07			
	0.3	A8	s36	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.22	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	0.5	A8	s36	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.40		0.10	0.20	0.02	0.03	0.03			
	13	A8	s36	D	Public Park	75	57	91	7.92	7.62	7.18	6.43	5.06	3.60		0.85	0.20	3.32	5.53	6.63			
	0.5	A9	s36	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.40		0.10	0.20	0.02	0.03	0.03			
	3.5	BASIN-1	s36	B	Commercial, Industrial	56	36	76	3.12	3.10	3.07	3.01	2.91	2.77		0.10	0.30	0.11	0.18	0.21			
	0.1	BASIN-1	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	3.1	BASIN-2	s36	B	Commercial, Industrial	56	36																

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134c)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII							5.63							
	0.1	BASIN-2	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	2.8	BASIN-3	s36	B	Commercial, Industrial	56	36	76	2.49	2.48	2.45	2.41	2.33	2.22		0.10	0.30	0.08	0.14	0.17			
	0.6	BASIN-3	s36	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04			
	1.5	OFF-1	s36	D	Open Brush, Fair	83	67	96	1.02	0.99	0.94	0.43	0.26	0.11		1.00	0.20	0.45	0.75	0.90			
	2.8	OFF-2	s36	D	Open Brush, Fair	83	67	96	1.91	1.85	1.76	0.81	0.49	0.21		1.00	0.20	0.84	1.40	1.68			
	3.3	OFF-3	s36	D	Open Brush, Fair	83	67	96	2.25	2.18	2.07	0.95	0.58	0.24		1.00	0.20	0.99	1.65	1.98			
	2.3	OFF-4	s36	D	Open Brush, Fair	83	67	96	1.57	1.52	1.44	0.66	0.41	0.17		1.00	0.20	0.69	1.15	1.38			
	3.7	OFF-5	s36	D	Open Brush, Fair	83	67	96	2.52	2.44	2.32	1.07	0.65	0.27		1.00	0.20	1.11	1.85	2.22			
	8.3	OFF-6	s36	D	Open Brush, Fair	83	67	96	5.66	5.48	5.21	2.39	1.46	0.61		1.00	0.20	2.49	4.15	4.98			
	0.6	OFF-7	s36	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.3	OFF-7	s36	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.23	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07			
	13.2	OFF-7	s36	D	Open Brush, Fair	83	67	96	9.01	8.72	8.29	3.81	2.32	0.98		1.00	0.20	3.96	6.60	7.92			
	66607.1	Low Loss Fraction (1-Y) =								0.393	0.416	0.449	0.734	0.825	0.903	1.000	F _m = 0.284 0.473 0.567 0.000						

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII						5/63								
	9.71		S1	A	Chaparral, Broadleaf, Fair	40	23	60	0.81	0.62	0.41	0.00	0.00	0.00	2.91	1.00	0.40	2.91	4.86	5.83	3.89		
	73.91		S1	B	Chaparral, Broadleaf, Fair	63	43	81	26.77	24.56	21.61	2.22	0.03	0.00		1.00	0.30	22.17	36.95	44.34			
	1029.81		S1	C	Chaparral, Broadleaf, Fair	75	57	91	562.79	534.43	495.04	157.05	67.91	9.09		1.00	0.25	308.94	514.91	617.89			
	758.05		S1	D	Chaparral, Broadleaf, Fair	81	64	95	490.34	472.14	446.40	186.68	106.15	37.64		1.00	0.20	227.41	379.02	454.83			
	52.00		S1	C	Fallow	91	80	98	42.95	42.22	41.16	26.21	20.13	13.28		1.00	0.25	15.60	26.00	31.20			
	2.73		S1	D	Fallow	94	85	99	2.41	2.38	2.34	1.68	1.39	1.04		1.00	0.20	0.82	1.36	1.64			
	54.84		S1	B	Woodland, Fair	60	40	79	17.53	15.91	13.77	0.81	0.00	0.00		1.00	0.30	16.45	27.42	32.90			
	58.35		S1	C	Woodland, Fair	73	55	89	30.01	28.35	26.07	7.36	2.78	0.16		1.00	0.25	17.51	29.18	35.01			
	1.95		S1	D	Woodland, Fair	79	62	93	1.20	1.15	1.08	0.41	0.22	0.06		1.00	0.20	0.59	0.98	1.17			
	48.35		S1	B	Woodland, Poor	66	46	84	19.64	18.19	16.25	2.47	0.29	0.00		1.00	0.30	14.50	24.17	29.01			
	44.42		S1	C	Woodland, Poor	77	59	92	25.73	24.55	22.91	8.03	3.87	0.82		1.00	0.25	13.32	22.21	26.65			
	95.06		S2	B	Chaparral, Broadleaf, Fair	63	43	81	34.43	31.59	27.79	2.86	0.04	0.00		1.00	0.30	28.52	47.53	57.04			
	1437.77		S2	C	Chaparral, Broadleaf, Fair	75	57	91	785.74	746.14	691.14	219.27	94.81	12.69		1.00	0.25	431.33	718.88	862.66			
	107.72		S2	D	Chaparral, Broadleaf, Fair	81	64	95	69.68	67.09	63.43	26.53	15.08	5.35		1.00	0.20	32.32	53.86	64.63			
	15.50		S2	B	Woodland, Fair	60	40	79	4.95	4.50	3.89	0.23	0.00	0.00		1.00	0.30	4.65	7.75	9.30			
	94.17		S2	C	Woodland, Fair	73	55	89	48.43	45.76	42.07	11.89	4.48	0.25		1.00	0.25	28.25	47.08	56.50			
	35.70		S2	B	Woodland, Grass, Fair	65	45	83	13.97	12.91	11.47	1.52	0.12	0.00		1.00	0.30	10.71	17.85	21.42			
	55.19		S2	C	Woodland, Grass, Fair	77	59	92	31.98	30.51	28.46	9.98	4.81	1.02		1.00	0.25	16.56	27.60	33.12			
	5.90		S3	A	Chaparral, Broadleaf, Fair	40	23	60	0.49	0.38	0.25	0.00	0.00	0.00		1.00	0.40	1.77	2.95	3.54			
	13.63		S3	B	Chaparral, Broadleaf, Fair	63	43	81	4.94	4.53	3.98	0.41	0.01	0.00		1.00	0.30	4.09	6.81	8.18			
	754.34		S3	C	Chaparral, Broadleaf, Fair	75	57	91	412.25	391.47	362.62	115.04	49.74	6.66		1.00	0.25	226.30	377.17	452.60			
	737.55		S3	D	Chaparral, Broadleaf, Fair	81	64	95	477.09	459.37	434.33	181.63	103.28	36.63		1.00	0.20	221.27	368.78	442.53			
	322.55		S3	C	Chaparral, Narrowleaf, Fair	81	64	95	208.64	200.89	189.94	79.43	45.16	16.02		1.00	0.25	96.76	161.27	193.53			
	642.13		S3	D	Chaparral, Narrowleaf, Fair	86	72	97	471.67	459.01	440.85	228.50	153.14	78.94		1.00	0.20	192.64	321.07	385.28			
	4.47		S3	C	Commercial, Industrial	69	50	86	4.07	4.04	4.00	3.93	3.78	3.58		0.10	0.25	0.13	0.22	0.27			
	8.45		S3	C	Grass, Annual or Perennial, Fair	79	62	93	5.18	4.97	4.66	1.78	0.94	0.27		1.00	0.25	2.54	4.23	5.07			
	0.97		S3	D	Grass, Annual or Perennial, Fair	84	69	96	0.68	0.66	0.63	0.30	0.19	0.09		1.00	0.20	0.29	0.49	0.58			
	9.81		S3	D	Open Brush, Fair	83	67	96	6.69	6.47	6.15	2.81	1.72	0.73		1.00	0.20	2.94	4.91	5.89			
	4.08		S3	B	Public Park	56	36	76	1.51	1.41	1.28	0.17	0.76	0.56		0.85	0.30	1.04	1.74	2.08			
	47.90		S3	C	Public Park	69	50	86	25.28	24.06	22.39	19.55	14.72	10.08		0.85	0.25	12.21	20.36	24.43			
	0.38		S3	C	Residential 1 acre lots	69	50	86	0.21	0.20	0.19	0.17	0.13	0.09		0.80	0.25	0.09	0.15	0.18			
	0.21		S3	D	Woodland, Fair	79	62	93	0.13	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12			
	2.60		S3	A	Woodland, Grass, Fair	44	26	64	0.32	0.26	0.19	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56			
	60.94		S3	B	Woodland, Grass, Fair	65	45	83	23.85	22.03	19.58	2.60	0.20	0.00		1.00	0.30	18.28	30.47	36.56			
	155.04		S3	C	Woodland, Grass, Fair	77	59	92	89.82	85.71	79.95	28.04	13.50	2.86		1.00	0.25	46.51	77.52	93.02			
	90.19		S3	D	Woodland, Grass, Fair	82	66	95	59.90	57.80	54.83	24.00	14.17	5.52		1.00	0.20	27.06	45.10	54.12			
	41.60		S4	A	Chaparral, Broadleaf, Fair	40	23	60	3.45	2.67	1.76	0.00	0.00	0.00		1.00	0.40	12.48	20.80	24.96			
	47.53		S4	B	Chaparral, Broadleaf, Fair	63	43	81	17.22	15.80	13.90	1.43	0.02	0.00		1.00	0.30	14.26	23.77	28.52			
	998.31		S4	C	Chaparral, Broadleaf, Fair	75	57	91	545.58	518.08	479.90	152.25	65.83	8.81		1.00	0.25	299.49	499.16	598.99			
	181.26		S4	D	Chaparral, Broadleaf, Fair	81	64	95	117.25	112.89	106.74	44.64	25.38	9.00		1.00	0.20	54.38	90.63	108.75			
	71.49		S4	C	Chaparral, Narrowleaf, Fair	81	64	95	46.24	44.52	42.10	17.60	10.01	3.55		1.00	0.25	21.45	35.74	42.89			
	0.93		S4	D	Chaparral, Narrowleaf, Fair	86	72	97	0.68	0.66	0.64	0.33	0.22	0.11		1.00	0.20	0.28	0.46	0.56			
	25.40		S4	B	Fallow	86	72	97	18.66	18.16	17.44	9.04	6.06	3.12		1.00	0.30	7.62	12.70	15.24			
	60.60		S4	C	Fallow	91	80	98	50.06	49.20	47.96	30.55	23.46	15.47		1.00	0.25	18.18	30.30	36.36			
	0.09		S4	D	Fallow	94	85	99	0.08	0.08	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.05			
	11.02		S4	B	Woodland, Fair	60	40	79	3.52	3.20	2.77	0.16	0.00	0.00		1.00	0.30	3.31	5.51	6.61			
	24.63		S4	C	Woodland, Fair	73	55	89	12.66	11.97	11.00	3.11	1.17	0.07		1.00	0.25	7.39	12.31	14.78			
	0.76		S4	B	Woodland, Poor	66	46	84	0.31	0.28	0.25	0.04	0.00	0.00		1.00	0.30	0.23	0.38	0.45			
	8.00		S4	C	Woodland, Poor	77	59	92	4.63	4.42	4.12	1.45	0.70	0.15		1.00	0.25	2.40	4.00	4.80			
	3.22		S5	B	Chaparral, Broadleaf, Fair	63	43	81	1.17	1.07	0.94	0.10	0.00	0.00		1.00	0.30	0.97	1.61	1.93			
	43.68		S5	C	Chaparral, Broadleaf, Fair	75	57	91	23.87	22.67	21.00	6.66	2.88	0.39		1.00	0.25	13.10	21.84	26.21			
	204.58		S5	D	Chaparral, Broadleaf, Fair	81	64	95	132.33	127.42	120.47	50.38	28.65	10.16		1.00	0.20	61.37	102.29	122.75			
	9.30		S5	B	Chaparral, Narrowleaf, Fair	72	53	89	4.63	4.37	4.00	1.06	0.37	0.01		1.00	0.30	2.79	4.65	5.58			
	283.71		S5	C	Chaparral, Narrowleaf, Fair	81	64	95	183.52	176.70	167.07	69.87	39.73	14.09		1.00	0.25	85.11	141.85	170.23			
	334.67		S5	D	Chaparral, Narrowleaf, Fair	86	72	97	245.83	239.23	229.76	119.09	79.81	41.14		1.00	0.20	100.40	167.33	200.80			
	3.04		S5	C	Residential 1 acre lots	69	50	86	1.68	1.61	1.51	1.34	1.04	0.76		0.80	0.25	0.73	1.22	1.46			
	10.47		S5	B	Woodland, Grass, Fair	65	45	83	4.10	3.79	3.36	0.45	0.03	0.00		1.00	0.30	3.14	5.24	6.28			
	4.29		S5	C	Woodland, Grass, Fair	77	59	92	2.49	2.37	2.21	0.78	0.37	0.08		1.00	0.25	1.29	2.15	2.58			
	21.26		S5	D	Woodland, Grass, Fair	82	66	95	14.12	13.63	12.92	5.66	3.34	1.30		1.00	0.20	6.38	10.63	12.76			
	20.32		S6	A	Chaparral, Broadleaf, Fair	40	23	60	1.69	1.30	0.86	0.00	0.00	0.00		1.00	0.40	6.10	10.16	12.19			
	479.80		S6	C	Chaparral, Broadleaf, Fair	75	57	91	262.21	249.00	230.65	73.17	31.64	4.24		1.00	0.25	143.94	239.90	287.88			
	439.63		S6	D	Chaparral, Broadleaf, Fair	81	64	95	284.37	273.81	258.89	108.26	61.56	21.83		1.00	0.20	131.89	219.81	263.78			
	0.04		S6	A	Chaparral, Narrowleaf, Fair	55	35	75	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.01	0.02	0.02			
	66.38		S6	C	Chaparral, Narrowleaf, Fair	81	64	95	42.94	41.34	39.09	16.35	9.29	3.30		1.00	0.25	19.91	33.19	39.83			
	299.75		S6	D	Chaparral, Narrowleaf, Fair	86	72	97	220.18	214.27	205.79	106.67	71.49	36.85		1.00	0.20	89.92	149.87	179.85			
	2.57		S6	A	Woodland, Grass, Fair	44	26	64	0.31	0.26	0.19	0.00	0.00	0.00		1.00	0.40	0.77	1.28	1.54			
	3.01		S6	C	Woodland, Grass, Fair	77	59	92	1.74	1.66	1.55	0.54	0.26	0.06		1.00	0.25	0.90	1.50	1.80			
	0.22		S6	D	Woodland, Grass, Fair	82	66	95	0.15	0.14	0.14	0.06</											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														

	154.64		S7	C	Chaparral, Broadleaf, Fair	75	57	91	84.51	80.25	74.34	23.58	10.20	1.37		1.00	0.25	46.39	77.32	92.79	
	650.67		S7	D	Chaparral, Broadleaf, Fair	81	64	95	420.88	405.26	383.16	160.23	91.11	32.31		1.00	0.20	195.20	325.33	390.40	
	1.62		S7	A	Chaparral, Narrowleaf, Fair	55	35	75	0.41	0.36	0.30	0.00	0.00	0.00		1.00	0.40	0.49	0.81	0.97	
	1.83		S7	B	Chaparral, Narrowleaf, Fair	72	53	89	0.91	0.86	0.79	0.21	0.07	0.00		1.00	0.30	0.55	0.92	1.10	
	119.57		S7	C	Chaparral, Narrowleaf, Fair	81	64	95	77.34	74.47	70.41	29.44	16.74	5.94		1.00	0.25	35.87	59.78	71.74	
	705.90		S7	D	Chaparral, Narrowleaf, Fair	86	72	97	518.51	504.60	484.62	251.20	168.35	86.77		1.00	0.20	211.77	352.95	423.54	
	6.15		S7	C	Grass, Annual or Perennial, Fair	79	62	93	3.77	3.61	3.39	1.30	0.68	0.19		1.00	0.25	1.85	3.08	3.69	
	8.08		S7	D	Grass, Annual or Perennial, Fair	84	69	96	5.65	5.48	5.23	2.49	1.57	0.71		1.00	0.20	2.42	4.04	4.85	
	15.59		S7	C	Open Brush, Fair	77	59	92	9.03	8.62	8.04	2.82	1.36	0.29		1.00	0.25	4.68	7.79	9.35	
	77.13		S7	D	Open Brush, Fair	83	67	96	52.56	50.83	48.37	22.11	13.50	5.71		1.00	0.20	23.14	38.56	46.28	
	2.83		S7	C	Public Park	69	50	86	1.49	1.42	1.32	1.15	0.87	0.59		0.85	0.25	0.72	1.20	1.44	
	4.53		S7	C	Residential 1 acre lots	69	50	86	2.50	2.39	2.24	1.99	1.55	1.13		0.80	0.25	1.09	1.81	2.17	
	23.54		S7	C	School	69	50	86	15.42	14.97	14.35	13.30	11.46	9.59		0.60	0.25	4.24	7.06	8.48	
	0.65		S7	D	School	75	57	91	0.47	0.45	0.44	0.41	0.36	0.30		0.60	0.20	0.12	0.20	0.24	
	10.99		S7	A	Woodland, Grass, Fair	44	26	64	1.35	1.10	0.81	0.00	0.00	0.00		1.00	0.40	3.30	5.50	6.59	
	27.31		S7	B	Woodland, Grass, Fair	65	45	83	10.69	9.87	8.77	1.16	0.09	0.00		1.00	0.30	8.19	13.66	16.39	
	66.03		S7	C	Woodland, Grass, Fair	77	59	92	38.25	36.50	34.05	11.94	5.75	1.22		1.00	0.25	19.81	33.01	39.62	
	83.68		S7	D	Woodland, Grass, Fair	82	66	95	55.57	53.63	50.87	22.27	13.14	5.12		1.00	0.20	25.10	41.84	50.21	
	2.17		S8	A	Chaparral, Broadleaf, Fair	40	23	60	0.18	0.14	0.09	0.00	0.00	0.00		1.00	0.40	0.65	1.08	1.30	
	62.77		S8	C	Chaparral, Broadleaf, Fair	75	57	91	34.30	32.58	30.17	9.57	4.14	0.55		1.00	0.25	18.83	31.39	37.66	
	828.83		S8	D	Chaparral, Broadleaf, Fair	81	64	95	536.13	516.22	488.08	204.11	116.06	41.16		1.00	0.20	248.65	414.41	497.30	
	4.58		S8	A	Chaparral, Narrowleaf, Fair	55	35	75	1.16	1.03	0.86	0.00	0.00	0.00		1.00	0.40	1.37	2.29	2.75	
	473.80		S8	C	Chaparral, Narrowleaf, Fair	81	64	95	306.48	295.10	279.01	116.68	66.34	23.53		1.00	0.25	142.14	236.90	284.28	
	380.43		S8	D	Chaparral, Narrowleaf, Fair	86	72	97	279.44	271.94	261.18	135.38	90.73	46.76		1.00	0.20	114.13	190.21	228.26	
	9.56		S8	A	Open Brush, Fair	46	28	66	1.38	1.15	0.87	0.00	0.00	0.00		1.00	0.40	2.87	4.78	5.74	
	98.44		S8	C	Open Brush, Fair	77	59	92	57.03	54.42	50.76	17.80	8.57	1.81		1.00	0.25	29.53	49.22	59.06	
	318.26		S8	D	Open Brush, Fair	83	67	96	216.89	209.74	199.58	91.24	55.72	23.54		1.00	0.20	95.48	159.13	190.95	
	14.99		S8	A	Woodland, Grass, Fair	44	26	64	1.84	1.50	1.10	0.00	0.00	0.00		1.00	0.40	4.50	7.50	9.00	
	21.60		S8	C	Woodland, Grass, Fair	77	59	92	12.51	11.94	11.14	3.91	1.88	0.40		1.00	0.25	6.48	10.80	12.96	
	53.83		S8	D	Woodland, Grass, Fair	82	66	95	35.75	34.49	32.72	14.33	8.45	3.29		1.00	0.20	16.15	26.91	32.30	
	0.97		S9	A	Chaparral, Broadleaf, Fair	40	23	60	0.08	0.06	0.04	0.00	0.00	0.00		1.00	0.40	0.29	0.48	0.58	
	5.45		S9	B	Chaparral, Broadleaf, Fair	63	43	81	1.97	1.81	1.59	0.16	0.00	0.00		1.00	0.30	1.63	2.72	3.27	
	476.00		S9	C	Chaparral, Broadleaf, Fair	75	57	91	260.13	247.02	228.81	72.59	31.39	4.20		1.00	0.25	142.80	238.00	285.60	
	240.06		S9	D	Chaparral, Broadleaf, Fair	81	64	95	155.28	149.52	141.37	59.12	33.61	11.92		1.00	0.20	72.02	120.03	144.03	
	1.16		S9	B	Chaparral, Narrowleaf, Fair	72	53	89	0.58	0.54	0.50	0.13	0.05	0.00		1.00	0.30	0.35	0.58	0.69	
	602.70		S9	C	Chaparral, Narrowleaf, Fair	81	64	95	389.85	375.38	354.92	148.42	84.39	29.93		1.00	0.25	180.81	301.35	361.62	
	212.84		S9	D	Chaparral, Narrowleaf, Fair	86	72	97	156.34	152.14	146.12	75.74	50.76	26.16		1.00	0.20	63.85	106.42	127.70	
	0.26		S9	A	Open Brush, Fair	46	28	66	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.08	0.13	0.16	
	0.06		S9	B	Open Brush, Fair	66	46	84	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.03	
	118.82		S9	C	Open Brush, Fair	77	59	92	68.84	65.69	61.28	21.49	10.35	2.19		1.00	0.25	35.65	59.41	71.29	
	74.36		S9	D	Open Brush, Fair	83	67	96	50.67	49.00	46.63	21.32	13.02	5.50		1.00	0.20	22.31	37.18	44.61	
	6.82		S9	D	Open Brush, Good	81	64	95	4.41	4.25	4.02	1.68	0.96	0.34		1.00	0.20	2.05	3.41	4.09	
	6.34		S9	A	Woodland, Grass, Fair	44	26	64	0.78	0.64	0.46	0.00	0.00	0.00		1.00	0.40	1.90	3.17	3.81	
	12.90		S9	B	Woodland, Grass, Fair	65	45	83	5.05	4.66	4.14	0.55	0.04	0.00		1.00	0.30	3.87	6.45	7.74	
	52.70		S9	C	Woodland, Grass, Fair	77	59	92	30.53	29.13	27.18	9.53	4.59	0.97		1.00	0.25	15.81	26.35	31.62	
	16.07		S9	D	Woodland, Grass, Fair	82	66	95	10.67	10.30	9.77	4.28	2.52	0.98		1.00	0.20	4.82	8.04	9.64	
	65.47		S10	A	Chaparral, Broadleaf, Fair	40	23	60	5.43	4.20	2.76	0.00	0.00	0.00		1.00	0.40	19.64	32.74	39.28	
	1.23		S10	B	Chaparral, Broadleaf, Fair	63	43	81	0.44	0.41	0.36	0.04	0.00	0.00		1.00	0.30	0.37	0.61	0.74	
	0.16		S10	C	Chaparral, Broadleaf, Fair	75	57	91	0.09	0.08	0.08	0.02	0.01	0.00		1.00	0.25	0.05	0.08	0.10	
	247.92		S10	D	Chaparral, Broadleaf, Fair	81	64	95	160.37	154.41	146.00	61.05	34.72	12.31		1.00	0.20	74.38	123.96	148.75	
	0.16		S10	A	Chaparral, Narrowleaf, Fair	55	35	75	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.05	0.08	0.09	
	0.11		S10	C	Chaparral, Narrowleaf, Fair	81	64	95	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.06	0.07	
	65.21		S10	D	Chaparral, Narrowleaf, Fair	86	72	97	47.90	46.61	44.77	23.20	15.55	8.02		1.00	0.20	19.56	32.60	39.13	
	5.06		S10	A	Open Brush, Fair	46	28	66	0.73	0.61	0.46	0.00	0.00	0.00		1.00	0.40	1.52	2.53	3.04	
	105.84		S10	D	Open Brush, Fair	83	67	96	72.13	69.75	66.37	30.34	18.53	7.83		1.00	0.20	31.75	52.92	63.51	
	2.32		S10	A	Open Brush, Good	41	24	61	0.21	0.17	0.11	0.00	0.00	0.00		1.00	0.40	0.70	1.16	1.39	
	0.27		S10	B	Open Brush, Good	63	43	81	0.10	0.09	0.08	0.01	0.00	0.00		1.00	0.30	0.08	0.14	0.16	
	155.88		S10	C	Open Brush, Good	75	57	91	85.19	80.90	74.93	23.77	10.28	1.38		1.00	0.25	46.76	77.94	93.53	
	158.20		S10	D	Open Brush, Good	81	64	95	102.33	98.53	93.16	38.96	22.15	7.86		1.00	0.20	47.46	79.10	94.92	
	0.39		S10	B	Public Park	56	36	76	0.14	0.13	0.12	0.10	0.07	0.05		0.85	0.30	0.10	0.16	0.20	
	9.13		S10	A	Residential 1 acre lots	32	17	52	1.91	1.84	1.76	1.72	1.67	1.61		0.80	0.40	2.19	3.65	4.38	
	9.22		S10	C	Residential 1 acre lots	69	50	86	5.10	4.88	4.57	4.05	3.16	2.30		0.80	0.25	2.21	3.69	4.42	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100										
						AMC			P ₂₄ (Inches)									5.63				
						II	I	III	AMC 1/AMCII													
	22.90		S11	C	Chaparral, Narrowleaf, Fair	81	64	95	14.81	14.26	13.49	5.64	3.21	1.14	1.00	0.25	6.87	11.45	13.74			
	683.24		S11	D	Chaparral, Narrowleaf, Fair	86	72	97	501.87	488.40	469.07	243.13	162.95	83.99	1.00	0.20	204.97	341.62	409.94			
	9.74		S11	B	Grass, Annual or Perennial, Fair	69	50	86	4.40	4.11	3.72	0.78	0.19	0.00	1.00	0.30	2.92	4.87	5.85			
	13.55		S11	C	Grass, Annual or Perennial, Fair	79	62	93	8.31	7.96	7.48	2.86	1.50	0.43	1.00	0.25	4.07	6.78	8.13			
	0.86		S11	D	Grass, Annual or Perennial, Fair	84	69	96	0.60	0.58	0.56	0.27	0.17	0.08	1.00	0.20	0.26	0.43	0.52			
	9.65		S11	C	Open Brush, Fair	77	59	92	5.59	5.33	4.97	1.74	0.84	0.18	1.00	0.25	2.89	4.82	5.79			
	112.49		S11	D	Open Brush, Fair	83	67	96	76.66	74.14	70.54	32.25	19.70	8.32	1.00	0.20	33.75	56.25	67.50			
	1.41		S11	B	Public Park	56	36	76	0.52	0.49	0.44	0.37	0.26	0.19	0.85	0.30	0.36	0.60	0.72			
	5.39		S11	C	Public Park	69	50	86	2.84	2.71	2.52	2.20	1.66	1.13	0.85	0.25	1.37	2.29	2.75			
	1.78		S11	D	Public Park	75	57	91	1.08	1.04	0.98	0.88	0.69	0.49	0.85	0.20	0.45	0.76	0.91			
	0.27		S11	C	Woodland, Fair	73	55	89	0.14	0.13	0.12	0.03	0.01	0.00	1.00	0.25	0.08	0.14	0.16			
	45.10		S11	D	Woodland, Fair	79	62	93	27.64	26.49	24.88	9.52	5.00	1.42	1.00	0.20	13.53	22.55	27.06			
	13.34		S11	B	Woodland, Grass, Fair	65	45	83	5.22	4.82	4.28	0.57	0.04	0.00	1.00	0.30	4.00	6.67	8.00			
	61.25		S11	C	Woodland, Grass, Fair	77	59	92	35.49	33.86	31.59	11.08	5.33	1.13	1.00	0.25	18.38	30.63	36.75			
	24.56		S11	D	Woodland, Grass, Fair	82	66	95	16.31	15.74	14.93	6.54	3.86	1.50	1.00	0.20	7.37	12.28	14.74			
	17.17		S12	A	Chaparral, Broadleaf, Fair	40	23	60	1.42	1.10	0.72	0.00	0.00	0.00	1.00	0.40	5.15	8.58	10.30			
	306.06		S12	C	Chaparral, Broadleaf, Fair	75	57	91	167.26	158.83	147.13	46.68	20.18	2.70	1.00	0.25	91.82	153.03	183.64			
	487.33		S12	D	Chaparral, Broadleaf, Fair	81	64	95	315.23	303.53	286.98	120.01	68.24	24.20	1.00	0.20	146.20	243.67	292.40			
	12.40		S12	A	Chaparral, Narrowleaf, Fair	55	35	75	3.13	2.78	2.32	0.01	0.00	0.00	1.00	0.40	3.72	6.20	7.44			
	68.72		S12	C	Chaparral, Narrowleaf, Fair	81	64	95	44.45	42.80	40.47	16.92	9.62	3.41	1.00	0.25	20.62	34.36	41.23			
	724.53		S12	D	Chaparral, Narrowleaf, Fair	86	72	97	532.20	517.91	497.41	257.83	172.79	89.06	1.00	0.20	217.36	362.26	434.72			
	7.07		S12	A	Open Brush, Fair	46	28	66	1.02	0.85	0.64	0.00	0.00	0.00	1.00	0.40	2.12	3.54	4.24			
	0.89		S12	C	Open Brush, Fair	77	59	92	0.52	0.49	0.46	0.16	0.08	0.02	1.00	0.25	0.27	0.45	0.53			
	407.66		S12	D	Open Brush, Fair	83	67	96	277.82	268.66	255.65	116.88	71.38	30.16	1.00	0.20	122.30	203.83	244.60			
	0.26		S12	C	Public Park	69	50	86	0.14	0.13	0.12	0.10	0.08	0.05	0.85	0.25	0.07	0.11	0.13			
	0.00		S12	D	Public Park	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.20	0.00	0.00	0.00			
	6.85		S12	A	Woodland, Grass, Fair	44	26	64	0.84	0.69	0.50	0.00	0.00	0.00	1.00	0.40	2.06	3.43	4.11			
	22.97		S12	B	Woodland, Grass, Fair	65	45	83	8.99	8.30	7.38	0.98	0.07	0.00	1.00	0.30	6.89	11.48	13.78			
	248.53		S12	C	Woodland, Grass, Fair	77	59	92	143.99	137.39	128.17	44.94	21.64	4.58	1.00	0.25	74.56	124.27	149.12			
	60.03		S12	D	Woodland, Grass, Fair	82	66	95	39.87	38.47	36.49	15.98	9.43	3.67	1.00	0.20	18.01	30.02	36.02			
	15.97		S13	A	Chaparral, Broadleaf, Fair	40	23	60	1.32	1.03	0.67	0.00	0.00	0.00	1.00	0.40	4.79	7.98	9.58			
	7.05		S13	B	Chaparral, Broadleaf, Fair	63	43	81	2.55	2.34	2.06	0.21	0.00	0.00	1.00	0.30	2.11	3.52	4.23			
	645.40		S13	C	Chaparral, Broadleaf, Fair	75	57	91	352.71	334.94	310.25	98.43	42.56	5.70	1.00	0.25	193.62	322.70	387.24			
	120.49		S13	D	Chaparral, Broadleaf, Fair	81	64	95	77.94	75.04	70.95	29.67	16.87	5.98	1.00	0.20	36.15	60.24	72.29			
	25.50		S13	A	Chaparral, Narrowleaf, Fair	55	35	75	6.44	5.72	4.78	0.02	0.00	0.00	1.00	0.40	7.65	12.75	15.30			
	11.66		S13	B	Chaparral, Narrowleaf, Fair	72	53	89	5.81	5.48	5.02	1.33	0.46	0.01	1.00	0.30	3.50	5.83	7.00			
	497.07		S13	C	Chaparral, Narrowleaf, Fair	81	64	95	321.53	309.59	292.71	122.41	69.60	24.68	1.00	0.25	149.12	248.53	298.24			
	451.84		S13	D	Chaparral, Narrowleaf, Fair	86	72	97	331.90	322.99	310.21	160.79	107.76	55.54	1.00	0.20	135.55	225.92	271.11			
	4.19		S13	A	Open Brush, Fair	46	28	66	0.60	0.50	0.38	0.00	0.00	0.00	1.00	0.40	1.26	2.10	2.52			
	1.00		S13	B	Open Brush, Fair	66	46	84	0.40	0.37	0.33	0.05	0.01	0.00	1.00	0.30	0.30	0.50	0.60			
	104.58		S13	C	Open Brush, Fair	77	59	92	60.59	57.81	53.93	18.91	9.11	1.93	1.00	0.25	31.37	52.29	62.75			
	161.75		S13	D	Open Brush, Fair	83	67	96	110.23	106.60	101.43	46.37	28.32	11.97	1.00	0.20	48.52	80.87	97.05			
	0.22		S13	A	Open Brush, Good	41	24	61	0.02	0.02	0.01	0.00	0.00	0.00	1.00	0.40	0.07	0.11	0.13			
	0.06		S13	B	Open Brush, Good	63	43	81	0.02	0.02	0.02	0.00	0.00	0.00	1.00	0.30	0.02	0.03	0.04			
	51.44		S13	C	Open Brush, Good	75	57	91	28.11	26.69	24.73	7.84	3.39	0.45	1.00	0.25	15.43	25.72	30.86			
	0.09		S13	D	Open Brush, Good	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00	1.00	0.20	0.03	0.05	0.06			
	5.18		S13	A	Public Park	32	17	52	0.84	0.80	0.75	0.73	0.71	0.68	0.85	0.40	1.32	2.20	2.64			
	2.52		S13	B	Public Park	56	36	76	0.93	0.87	0.79	0.66	0.47	0.34	0.85	0.30	0.64	1.07	1.28			
	0.28		S13	D	Public Park	75	57	91	0.17	0.16	0.15	0.14	0.11	0.08	0.85	0.20	0.07	0.12	0.14			
	24.00		S13	A	Residential 1 acre lots	32	17	52	5.03	4.83	4.63	4.52	4.40	4.22	0.80	0.40	5.76	9.60	11.52			
	3.86		S13	B	Residential 1 acre lots	56	36	76	1.56	1.47	1.35	1.16	0.89	0.70	0.80	0.30	0.93	1.54	1.85			
	9.01		S13	C	Residential 1 acre lots	69	50	86	4.98	4.76	4.47	3.96	3.09	2.25	0.80	0.25	2.16	3.60	4.32			
	36.94		S13	A	Woodland, Grass, Fair	44	26	64	4.53	3.71	2.71	0.00	0.00	0.00	1.00	0.40	11.08	18.47	22.17			
	12.05		S13	B	Woodland, Grass, Fair	65	45	83	4.71	4.35	3.87	0.51	0.04	0.00	1.00	0.30	3.61	6.02	7.23			
	24.51		S13	C	Woodland, Grass, Fair	77	59	92	14.20	13.55	12.64	4.43	2.13	0.45	1.00	0.25	7.35	12.25	14.70			
	7.65		S13	D	Woodland, Grass, Fair	82	66	95	5.08	4.90	4.65	2.04	1.20	0.47	1.00	0.20	2.29	3.82	4.59			
	21.26		S14	A	Chaparral, Broadleaf, Fair	40	23	60	1.76	1.36	0.90	0.00	0.00	0.00	1.00	0.40	6.38	10.63	12.75			
	367.70		S14	C	Chaparral, Broadleaf, Fair	75	57	91	200.95	190.82	176.75	56.08	24.25	3.25	1.00	0.25	110.31	183.85	220.62			
	287.86		S14	D	Chaparral, Broadleaf, Fair	81	64	95	186.20	179.29	169.52	70.89	40.31	14.30	1.00	0.20	86.36	143.93	172.72			
	14.04		S14	A	Chaparral, Narrowleaf, Fair	55	35	75	3.54	3.15	2.63	0.01	0.00	0.00	1.00	0.40	4.21	7.02	8.43			
	0.02		S14	B	Chaparral, Narrowleaf, Fair	72	53	89	0.01	0.01	0.01	0.00	0.00	0.00	1.00	0.30	0.00	0.01	0.01			
	174.85		S14	C	Chaparral, Narrowleaf, Fair	81	64	95	113.10	108.90	102.97	43.06	24.48	8.68	1.00	0.25	52.46	87.43				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100							
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC 1/AMCII									5.63				
																		Storm Event (Year)				
																		EV		HC		
																		> 5	5	2	All	

	2.48		S14	B	Public Park	56	36	76	0.92	0.85	0.77	0.65	0.46	0.34		0.85	0.30	0.63	1.05	1.26
	0.73		S14	D	Public Park	75	57	91	0.44	0.42	0.40	0.36	0.28	0.20		0.85	0.20	0.19	0.31	0.37
	50.10		S14	A	Woodland, Grass, Fair	44	26	64	6.14	5.03	3.67	0.00	0.00	0.00	1.00	0.40	15.03	25.05	30.06	
	0.85		S14	B	Woodland, Grass, Fair	65	45	83	0.33	0.31	0.27	0.04	0.00	0.00	1.00	0.30	0.25	0.42	0.51	
	13.64		S14	C	Woodland, Grass, Fair	77	59	92	7.90	7.54	7.03	2.47	1.19	0.25	1.00	0.25	4.09	6.82	8.18	
	12.11		S14	D	Woodland, Grass, Fair	82	66	95	8.04	7.76	7.36	3.22	1.90	0.74	1.00	0.20	3.63	6.06	7.27	
	35.60		S15	A	Chaparral, Broadleaf, Fair	40	23	60	2.95	2.29	1.50	0.00	0.00	0.00	1.00	0.40	10.68	17.80	21.36	
	20.35		S15	B	Chaparral, Broadleaf, Fair	63	43	81	7.37	6.76	5.95	0.61	0.01	0.00	1.00	0.30	6.10	10.17	12.21	
	209.04		S15	C	Chaparral, Broadleaf, Fair	75	57	91	114.24	108.48	100.49	31.88	13.78	1.85	1.00	0.25	62.71	104.52	125.42	
	53.93		S15	D	Chaparral, Broadleaf, Fair	81	64	95	34.88	33.59	31.76	13.28	7.55	2.68	1.00	0.20	16.18	26.96	32.36	
	0.29		S15	A	Chaparral, Narrowleaf, Fair	55	35	75	0.07	0.06	0.05	0.00	0.00	0.00	1.00	0.40	0.09	0.14	0.17	
	1.07		S15	B	Chaparral, Narrowleaf, Fair	72	53	89	0.53	0.50	0.46	0.12	0.04	0.00	1.00	0.30	0.32	0.54	0.64	
	52.44		S15	C	Chaparral, Narrowleaf, Fair	81	64	95	33.92	32.66	30.88	12.91	7.34	2.60	1.00	0.25	15.73	26.22	31.46	
	102.66		S15	D	Chaparral, Narrowleaf, Fair	86	72	97	75.41	73.38	70.48	36.53	24.48	12.62	1.00	0.20	30.80	51.33	61.60	
	3.28		S15	A	Commercial, Industrial	32	17	52	2.84	2.83	2.81	2.78	2.71	2.60	0.10	0.40	0.10	0.16	0.20	
	11.67		S15	C	Commercial, Industrial	69	50	86	10.61	10.54	10.44	10.25	9.86	9.35	0.10	0.25	0.35	0.58	0.70	
	12.74		S15	D	Commercial, Industrial	75	57	91	11.70	11.63	11.52	11.31	10.89	10.31	0.10	0.20	0.38	0.64	0.76	
	2.49		S15	A	Grass, Annual or Perennial, Fair	50	31	70	0.47	0.41	0.33	0.00	0.00	0.00	1.00	0.40	0.75	1.25	1.49	
	5.03		S15	B	Grass, Annual or Perennial, Fair	69	50	86	2.27	2.12	1.92	0.40	0.10	0.00	1.00	0.30	1.51	2.52	3.02	
	30.99		S15	C	Grass, Annual or Perennial, Fair	79	62	93	18.99	18.20	17.10	6.54	3.44	0.98	1.00	0.25	9.30	15.50	18.59	
	91.48		S15	D	Grass, Annual or Perennial, Fair	84	69	96	63.95	61.97	59.15	28.17	17.76	8.06	1.00	0.20	27.44	45.74	54.89	
	174.55		S15	A	Open Brush, Fair	46	28	66	25.13	21.01	15.91	0.00	0.00	0.00	1.00	0.40	52.37	87.28	104.73	
	23.72		S15	B	Open Brush, Fair	66	46	84	9.63	8.92	7.97	1.21	0.14	0.00	1.00	0.30	7.11	11.86	14.23	
	742.96		S15	C	Open Brush, Fair	77	59	92	430.44	410.71	383.14	134.35	64.69	13.70	1.00	0.25	222.89	371.48	445.77	
	293.38		S15	D	Open Brush, Fair	83	67	96	199.93	193.34	183.98	84.11	51.37	21.70	1.00	0.20	88.01	146.69	176.03	
	4.49		S15	A	Residential 5-7 dwellings/acre	32	17	52	2.21	2.18	2.14	2.11	2.06	1.98	0.50	0.40	0.67	1.12	1.35	
	1.27		S15	C	Residential 5-7 dwellings/acre	69	50	86	0.89	0.87	0.84	0.79	0.71	0.62	0.50	0.25	0.19	0.32	0.38	
	0.11		S15	D	Residential 5-7 dwellings/acre	75	57	91	0.09	0.08	0.08	0.08	0.07	0.06	0.50	0.20	0.02	0.03	0.03	
	285.97		S15	A	Woodland, Grass, Fair	44	26	64	35.03	28.69	20.96	0.00	0.00	0.00	1.00	0.40	85.79	142.99	171.58	
	28.71		S15	B	Woodland, Grass, Fair	65	45	83	11.24	10.38	9.22	1.22	0.09	0.00	1.00	0.30	8.61	14.36	17.23	
	33.62		S15	C	Woodland, Grass, Fair	77	59	92	19.48	18.58	17.34	6.08	2.93	0.62	1.00	0.25	10.09	16.81	20.17	
	89.19		S15	D	Woodland, Grass, Fair	82	66	95	59.23	57.16	54.22	23.74	14.01	5.46	1.00	0.20	26.76	44.60	53.52	
	21.74		S16	D	Barren	93	83	99	18.77	18.52	18.16	12.56	10.15	7.27	1.00	0.20	6.52	10.87	13.04	
	10.52		S16	A	Chaparral, Broadleaf, Fair	40	23	60	0.87	0.68	0.44	0.00	0.00	0.00	1.00	0.40	3.16	5.26	6.31	
	914.67		S16	C	Chaparral, Broadleaf, Fair	75	57	91	499.87	474.68	439.69	139.49	60.32	8.07	1.00	0.25	274.40	457.34	548.80	
	860.30		S16	D	Chaparral, Broadleaf, Fair	81	64	95	556.48	535.82	506.61	211.86	120.46	42.72	1.00	0.20	258.09	430.15	516.18	
	3.59		S16	A	Chaparral, Narrowleaf, Fair	55	35	75	0.91	0.80	0.67	0.00	0.00	0.00	1.00	0.40	1.08	1.79	2.15	
	147.16		S16	C	Chaparral, Narrowleaf, Fair	81	64	95	95.19	91.66	86.66	36.24	20.61	7.31	1.00	0.25	44.15	73.58	88.30	
	541.02		S16	D	Chaparral, Narrowleaf, Fair	86	72	97	397.40	386.73	371.43	192.52	129.03	66.51	1.00	0.20	162.31	270.51	324.61	
	1.56		S16	A	Open Brush, Fair	46	28	66	0.23	0.19	0.14	0.00	0.00	0.00	1.00	0.40	0.47	0.78	0.94	
	21.05		S16	C	Open Brush, Fair	77	59	92	12.20	11.64	10.86	3.81	1.83	0.39	1.00	0.25	6.32	10.53	12.63	
	492.25		S16	D	Open Brush, Fair	83	67	96	335.46	324.41	308.69	141.13	86.19	36.42	1.00	0.20	147.68	246.13	295.35	
	112.03		S16	C	Residential 2.5 acre lots	69	50	86	56.28	53.28	49.17	42.21	30.41	19.17	0.90	0.25	30.25	50.41	60.50	
	3.80		S16	A	Woodland, Grass, Fair	44	26	64	0.46	0.38	0.28	0.00	0.00	0.00	1.00	0.40	1.14	1.90	2.28	
	63.48		S16	C	Woodland, Grass, Fair	77	59	92	36.77	35.09	32.73	11.48	5.53	1.17	1.00	0.25	19.04	31.74	38.09	
	10.66		S16	D	Woodland, Grass, Fair	82	66	95	7.08	6.83	6.48	2.84	1.67	0.65	1.00	0.20	3.20	5.33	6.40	
	0.53		S17	A	Barren	78	61	93	0.32	0.30	0.28	0.10	0.05	0.01	1.00	0.40	0.16	0.26	0.32	
	21.11		S17	C	Barren	91	80	98	17.43	17.14	16.70	10.64	8.17	5.39	1.00	0.25	6.33	10.55	12.66	
	20.15		S17	D	Barren	93	83	99	17.40	17.17	16.83	11.64	9.40	6.74	1.00	0.20	6.04	10.07	12.09	
	72.38		S17	A	Chaparral, Broadleaf, Fair	40	23	60	6.01	4.65	3.06	0.00	0.00	0.00	1.00	0.40	21.71	36.19	43.43	
	209.48		S17	C	Chaparral, Broadleaf, Fair	75	57	91	114.48	108.71	100.70	31.95	13.81	1.85	1.00	0.25	62.84	104.74	125.69	
	13.50		S17	D	Chaparral, Broadleaf, Fair	81	64	95	8.74	8.41	7.95	3.33	1.89	0.67	1.00	0.20	4.05	6.75	8.10	
	9.54		S17	A	Chaparral, Narrowleaf, Fair	55	35	75	2.41	2.14	1.79	0.01	0.00	0.00	1.00	0.40	2.86	4.77	5.72	
	1.42		S17	B	Chaparral, Narrowleaf, Fair	72	53	89	0.71	0.67	0.61	0.16	0.06	0.00	1.00	0.30	0.43	0.71	0.85	
	11.72		S17	C	Chaparral, Narrowleaf, Fair	81	64	95	7.58	7.30	6.90	2.89	1.64	0.58	1.00	0.25	3.52	5.86	7.03	
	1.51		S17	D	Chaparral, Narrowleaf, Fair	86	72	97	1.11	1.08	1.04	0.54	0.36	0.19	1.00	0.20	0.45	0.76	0.91	
	0.07		S17	A	Commercial, Industrial	32	17	52	0.06	0.06	0.06	0.06	0.06	0.05	0.10	0.40	0.00	0.00	0.00	
	7.31		S17	C	Commercial, Industrial	69	50	86	6.65	6.60	6.54	6.42	6.18	5.86	0.10	0.25	0.22	0.37	0.44	
	6.95		S17	D	Commercial, Industrial	75	57	91	6.39	6.35	6.29	6.18	5.94	5.63	0.10	0.20	0.21	0.35	0.42	
	0.08		S17	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.01	0.01	0.00	0.00	0.00	1.00	0.40	0.02	0.04	0.05	
	0.41		S17	B	Grass, Annual or Perennial, Fair	69	50	86	0.18	0.17	0.16	0.03	0.01	0.00	1.00	0.30	0.12	0.20	0.24	
	0.48		S17	C	Grass, Annual or Perennial, Fair	79	62	93	0.30	0.28	0.27	0.10	0.05	0.02	1.00	0.25	0.14	0.24	0.29	
	29.46		S17	D	Grass, Annual or Perennial, Fair	84	69	96	20.59	19.96	19.05	9.07	5.72	2.59	1.00	0.20	8.84	14.73	17.68	
	139.45		S17	A	Open Brush, Fair	46	28	66	20.08	16.79	12.71	0.00	0.00	0.00	1.00	0.40	41.84	69.73	83.67	
	11.51		S17	B	Open Brush, Fair	66	46	84	4.67	4.33	3.87	0.59	0.07	0.00	1.00	0.30	3.45	5.75	6.91	
	503.55		S17	C	Open Brush, Fair	77	59	92	291.73	278.36	259.68	91.06	43.85	9.28	1.00	0.25	151.06	251.77	302.13	
	92.80		S17	D	Open Brush, Fair	83	67	9												

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100	Storm Event (Year)							HC				
						AMC			P ₂₄ (Inches)							EV					HC			
						II	I	III	AMC 1/AMCII							All								
	0.33		S17	D	Woodland, Grass, Fair	82	66	95	0.22	0.21	0.20	0.09	0.05	0.02		1.00	0.20	0.10	0.17	0.20				
	6.56		S18	C	Chaparral, Broadleaf, Fair	75	57	91	3.58	3.40	3.15	1.00	0.43	0.06		1.00	0.25	1.97	3.28	3.93				
	0.00		S18	A	Chaparral, Narrowleaf, Fair	55	35	75	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00				
	2.82		S18	B	Chaparral, Narrowleaf, Fair	72	53	89	1.41	1.32	1.21	0.32	0.11	0.00		1.00	0.30	0.85	1.41	1.69				
	0.87		S18	C	Chaparral, Narrowleaf, Fair	81	64	95	0.57	0.54	0.52	0.22	0.12	0.04		1.00	0.25	0.26	0.44	0.52				
	19.41		S18	D	Chaparral, Narrowleaf, Fair	86	72	97	14.26	13.88	13.33	6.91	4.63	2.39		1.00	0.20	5.82	9.71	11.65				
	20.11		S18	A	Grass, Annual or Perennial, Fair	50	31	70	3.82	3.30	2.63	0.00	0.00	0.00		1.00	0.40	6.03	10.06	12.07				
	5.15		S18	B	Grass, Annual or Perennial, Fair	69	50	86	2.33	2.17	1.97	0.41	0.10	0.00		1.00	0.30	1.54	2.57	3.09				
	10.11		S18	C	Grass, Annual or Perennial, Fair	79	62	93	6.19	5.94	5.58	2.13	1.12	0.32		1.00	0.25	3.03	5.05	6.06				
	109.43		S18	D	Grass, Annual or Perennial, Fair	84	69	96	76.49	74.13	70.76	33.70	21.24	9.64		1.00	0.20	32.83	54.71	65.66				
	117.51		S18	A	Open Brush, Fair	46	28	66	16.92	14.15	10.71	0.00	0.00	0.00		1.00	0.40	35.25	58.75	70.50				
	59.26		S18	B	Open Brush, Fair	66	46	84	24.07	22.30	19.91	3.03	0.36	0.00		1.00	0.30	17.78	29.63	35.56				
	411.61		S18	C	Open Brush, Fair	77	59	92	238.47	227.54	212.27	74.43	35.84	7.59		1.00	0.25	123.48	205.81	246.97				
	146.66		S18	D	Open Brush, Fair	83	67	96	99.95	96.66	91.97	42.05	25.68	10.85		1.00	0.20	44.00	73.33	88.00				
	0.76		S18	A	Residential 5-7 dwellings/acre	32	17	52	0.37	0.37	0.36	0.36	0.35	0.33		0.50	0.40	0.11	0.19	0.23				
	48.45		S18	A	Woodland, Grass, Fair	44	26	64	5.93	4.86	3.55	0.00	0.00	0.00		1.00	0.40	14.54	24.23	29.07				
	14.00		S18	B	Woodland, Grass, Fair	65	45	83	5.48	5.06	4.50	0.60	0.05	0.00		1.00	0.30	4.20	7.00	8.40				
	17.16		S18	C	Woodland, Grass, Fair	77	59	92	9.94	9.48	8.85	3.10	1.49	0.32		1.00	0.25	5.15	8.58	10.29				
	37.74		S18	D	Woodland, Grass, Fair	82	66	95	25.06	24.18	22.94	10.04	5.93	2.31		1.00	0.20	11.32	18.87	22.64				
11927	4.4		s19	A	Residential 5-7 dwellings/acre	32	17	52	2.16	2.13	2.10	2.07	2.02	1.94		0.50	0.40	0.66	1.10	1.32				
11927	23.2		s19	A	Grass, Annual or Perennial, Fair	50	31	70	4.41	3.80	3.04	0.00	0.00	0.00		1.00	0.40	6.96	11.60	13.92				
11927	47.6		s19	A	Chaparral, Broadleaf, Fair	40	23	60	3.95	3.06	2.01	0.00	0.00	0.00		1.00	0.40	14.28	23.80	28.56				
11927	47.9		s19	A	Woodland, Grass, Fair	44	26	64	5.87	4.81	3.51	0.00	0.00	0.00		1.00	0.40	14.37	23.95	28.74				
11927	170.2		s19	A	Open Brush, Fair	46	28	66	24.51	20.49	15.51	0.00	0.00	0.00		1.00	0.40	51.06	85.10	102.12				
11927	4.2		s19	B	Grass, Annual or Perennial, Fair	69	50	86	1.90	1.77	1.60	0.34	0.08	0.00		1.00	0.30	1.26	2.10	2.52				
11927	6.7		s19	B	Chaparral, Broadleaf, Fair	63	43	81	2.43	2.23	1.96	0.20	0.00	0.00		1.00	0.30	2.01	3.35	4.02				
11927	13.9		s19	B	Open Brush, Fair	66	46	84	5.65	5.23	4.67	0.71	0.08	0.00		1.00	0.30	4.17	6.95	8.34				
11927	15.8		s19	B	Woodland, Grass, Fair	65	45	83	6.18	5.71	5.08	0.67	0.05	0.00		1.00	0.30	4.74	7.90	9.48				
11927	0.5		s19	C	Barren	91	80	98	0.41	0.41	0.40	0.25	0.19	0.13		1.00	0.25	0.15	0.25	0.30				
11927	53.3		s19	C	Chaparral, Narrowleaf, Fair	81	64	95	34.48	33.20	31.39	13.13	7.46	2.65		1.00	0.25	15.99	26.65	31.98				
11927	77.7		s19	C	Residential 2.5 acre lots	69	50	86	39.04	36.95	34.10	29.28	21.09	13.30		0.90	0.25	20.98	34.97	41.96				
11927	87.9		s19	C	Grass, Annual or Perennial, Fair	79	62	93	53.87	51.63	48.50	18.56	9.75	2.77		1.00	0.25	26.37	43.95	52.74				
11927	174.3		s19	C	Woodland, Grass, Fair	77	59	92	100.98	96.35	89.89	31.52	15.18	3.21		1.00	0.25	52.29	87.15	104.58				
11927	636.1		s19	C	Chaparral, Broadleaf, Fair	75	57	91	347.63	330.11	305.78	97.01	41.95	5.61		1.00	0.25	190.83	318.05	381.66				
11927	1061.1		s19	C	Open Brush, Fair	77	59	92	614.75	586.58	547.21	191.88	92.39	19.56		1.00	0.25	318.33	530.55	636.66				
11927	0.1		s19	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.06				
11927	10		s19	D	Woodland, Grass, Fair	82	66	95	6.64	6.41	6.08	2.66	1.57	0.61		1.00	0.20	3.00	5.00	6.00				
11927	68.8		s19	D	Grass, Annual or Perennial, Fair	84	69	96	48.09	46.61	44.49	21.19	13.36	6.06		1.00	0.20	20.64	34.40	41.28				
11927	143.4		s19	D	Chaparral, Narrowleaf, Fair	86	72	97	105.33	102.51	98.45	51.03	34.20	17.63		1.00	0.20	43.02	71.70	86.04				
11927	295.1		s19	D	Open Brush, Fair	83	67	96	201.11	194.48	185.06	84.60	51.67	21.83		1.00	0.20	88.53	147.55	177.06				
11927	399.8		s19	D	Chaparral, Broadleaf, Fair	81	64	95	258.61	249.01	235.43	98.46	55.98	19.85		1.00	0.20	119.94	199.90	239.88				
	3.13		S20	A	Chaparral, Broadleaf, Fair	40	23	60	0.26	0.20	0.13	0.00	0.00	0.00		1.00	0.40	0.94	1.56	1.88				
	156.82		S20	C	Chaparral, Broadleaf, Fair	75	57	91	85.70	81.38	75.38	23.92	10.34	1.38		1.00	0.25	40.75	78.41	94.09				
	368.60		S20	D	Chaparral, Broadleaf, Fair	81	64	95	238.43	229.58	217.06	90.77	51.61	18.30		1.00	0.20	110.58	184.30	221.16				
	0.22		S20	A	Chaparral, Narrowleaf, Fair	55	35	75	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13				
	92.39		S20	C	Chaparral, Narrowleaf, Fair	81	64	95	59.76	57.54	54.40	22.75	12.94	4.59		1.00	0.25	27.72	46.19	55.43				
	852.18		S20	D	Chaparral, Narrowleaf, Fair	86	72	97	625.97	609.16	585.05	303.25	203.24	104.76		1.00	0.20	255.65	426.09	511.31				
	0.66		S20	A	Open Brush, Fair	46	28	66	0.09	0.08	0.06	0.00	0.00	0.00		1.00	0.40	0.20	0.33	0.40				
	17.20		S20	C	Open Brush, Fair	77	59	92	9.97	9.51	8.87	3.11	1.50	0.32		1.00	0.25	5.16	8.60	10.32				
	269.04		S20	D	Open Brush, Fair	83	67	96	183.35	177.31	168.72	77.13	47.11	19.90		1.00	0.20	80.71	134.52	161.43				
	10.84		S20	C	Woodland, Fair	73	55	89	5.57	5.27	4.84	1.37	0.52	0.03		1.00	0.25	3.25	5.42	6.50				
	23.85		S20	D	Woodland, Fair	79	62	93	14.62	14.01	13.16	5.04	2.65	0.75		1.00	0.20	7.16	11.93	14.31				
	9.34		S20	A	Woodland, Grass, Fair	44	26	64	1.14	0.94	0.68	0.00	0.00	0.00		1.00	0.40	2.80	4.67	5.61				
	25.73		S20	C	Woodland, Grass, Fair	77	59	92	14.91	14.22	13.27	4.65	2.24	0.47		1.00	0.25	7.72	12.87	15.44				
	83.67		S20	D	Woodland, Grass, Fair	82	66	95	55.56	53.62	50.86	22.27	13.14	5.12		1.00	0.20	25.10	41.83	50.20				
	4.21		S21	A	Chaparral, Broadleaf, Fair	40	23	60	0.35	0.27	0.18	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52				
	127.31		S21	C	Chaparral, Broadleaf, Fair	75	57	91	69.58	66.07	61.20	19.42	8.40	1.12		1.00	0.25	38.19	63.66	76.39				
	434.86		S21	D	Chaparral, Broadleaf, Fair	81	64	95	281.29	270.85	256.08	107.09	60.89	21.59		1.00	0.20	130.46	217.43	260.92				
	3.55		S21	A	Chaparral, Narrowleaf, Fair	55	35	75	0.90	0.80	0.67	0.00	0.00	0.00		1.00	0.40	1.07	1.78	2.13				
	15.70		S21	C	Chaparral, Narrowleaf, Fair	81	64	95	10.15	9.78	9.24	3.87	2.20	0.78		1.00	0.25	4.71	7.85	9.42				
	517.19		S21	D	Chaparral, Narrowleaf, Fair	86	72	97	399.70	369.70	355.07	184.05	123.35	63.58		1.00	0.20	155.16	258.60	310.32				
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100								
						AMC			P ₂₄ (Inches)								5.63						
						II	I	III	AMC 1/AMCII														

	2.82		S22	B	Chaparral, Broadleaf, Fair	63	43	81	1.02	0.94	0.82	0.08	0.00	0.00		1.00	0.30	0.84	1.41	1.69	
	393.29		S22	C	Chaparral, Broadleaf, Fair	75	57	91	214.93	204.10	189.06	59.98	25.94	3.47		1.00	0.25	117.99	196.64	235.97	
	179.87		S22	D	Chaparral, Broadleaf, Fair	81	64	95	116.35	112.03	105.92	44.30	25.19	8.93		1.00	0.20	53.96	89.94	107.92	
	0.08		S22	A	Chaparral, Narrowleaf, Fair	55	35	75	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.05	
	121.85		S22	C	Chaparral, Narrowleaf, Fair	81	64	95	78.82	75.89	71.76	30.01	17.06	6.05		1.00	0.25	36.56	60.93	73.11	
	144.00		S22	D	Chaparral, Narrowleaf, Fair	86	72	97	105.77	102.93	98.86	51.24	34.34	17.70		1.00	0.20	43.20	72.00	86.40	
	2.33		S22	B	Commercial, Industrial	56	36	76	2.07	2.06	2.04	2.01	1.94	1.85		0.10	0.30	0.07	0.12	0.14	
	2.24		S22	C	Commercial, Industrial	69	50	86	2.04	2.03	2.01	1.97	1.90	1.80		0.10	0.25	0.07	0.11	0.13	
	2.22		S22	D	Commercial, Industrial	75	57	91	2.04	2.03	2.01	1.97	1.90	1.80		0.10	0.20	0.07	0.11	0.13	
	4.94		S22	A	Grass, Annual or Perennial, Fair	50	31	70	0.94	0.81	0.65	0.00	0.00	0.00		1.00	0.40	1.48	2.47	2.97	
	15.92		S22	B	Grass, Annual or Perennial, Fair	69	50	86	7.19	6.72	6.08	1.27	0.31	0.00		1.00	0.30	4.78	7.96	9.55	
	56.74		S22	C	Grass, Annual or Perennial, Fair	79	62	93	34.77	33.33	31.31	11.98	6.30	1.79		1.00	0.25	17.02	28.37	34.05	
	301.98		S22	D	Grass, Annual or Perennial, Fair	84	69	96	211.09	204.57	195.27	92.99	58.62	26.60		1.00	0.20	90.59	150.99	181.19	
	42.78		S22	A	Open Brush, Fair	46	28	66	6.16	5.15	3.90	0.00	0.00	0.00		1.00	0.40	12.84	21.39	25.67	
	14.27		S22	B	Open Brush, Fair	66	46	84	5.80	5.37	4.79	0.73	0.09	0.00		1.00	0.30	4.28	7.13	8.56	
	483.19		S22	C	Open Brush, Fair	77	59	92	279.94	267.11	249.18	87.38	42.07	8.91		1.00	0.25	144.96	241.59	289.91	
	756.78		S22	D	Open Brush, Fair	83	67	96	515.74	498.74	474.58	216.97	132.50	55.99		1.00	0.20	227.03	378.39	454.07	
	4.36		S22	B	Public Park	56	36	76	1.61	1.50	1.36	1.14	0.81	0.60		0.85	0.30	1.11	1.85	2.22	
	55.87		S22	C	Public Park	69	50	86	29.49	28.06	26.11	22.80	17.17	11.76		0.85	0.25	14.25	23.75	28.50	
	83.63		S22	D	Public Park	75	57	91	50.89	48.89	46.10	41.24	32.47	23.17		0.85	0.20	21.33	35.54	42.65	
	1.75		S22	C	Residential 2 dwellings/acre	69	50	86	1.06	1.02	0.97	0.88	0.72	0.57		0.70	0.25	0.37	0.61	0.73	
	1.81		S22	D	Residential 2 dwellings/acre	75	57	91	1.21	1.17	1.12	1.03	0.87	0.69		0.70	0.20	0.38	0.63	0.76	
	34.00		S22	B	Residential 3-4 dwellings/acre	56	36	76	18.48	17.84	17.01	15.68	13.65	12.09		0.60	0.30	6.12	10.20	12.24	
	9.18		S22	C	Residential 3-4 dwellings/acre	69	50	86	6.01	5.84	5.60	5.18	4.47	3.74		0.60	0.25	1.65	2.75	3.30	
	87.11		S22	D	Residential 3-4 dwellings/acre	75	57	91	62.02	60.46	58.27	54.43	47.37	39.58		0.60	0.20	15.68	26.13	31.36	
	35.58		S22	B	Residential 5-7 dwellings/acre	56	36	76	21.81	21.24	20.48	19.25	17.35	15.76		0.50	0.30	5.34	8.90	10.67	
	115.58		S22	C	Residential 5-7 dwellings/acre	69	50	86	81.58	79.68	77.05	72.52	64.53	56.19		0.50	0.25	17.34	28.89	34.67	
	173.99		S22	D	Residential 5-7 dwellings/acre	75	57	91	131.08	128.37	124.58	117.88	105.43	91.40		0.50	0.20	26.10	43.50	52.20	
	18.54		S22	B	Turf, Good	58	38	77	5.42	4.88	4.17	3.04	1.38	0.23		1.00	0.30	5.56	9.27	11.12	
	96.29		S22	C	Turf, Good	72	53	89	47.96	45.22	41.42	34.90	23.57	12.33		1.00	0.25	28.89	48.14	57.77	
	50.29		S22	D	Turf, Good	79	62	93	30.82	29.54	27.75	24.57	18.64	12.05		1.00	0.20	15.09	25.15	30.18	
	0.24		S22	D	Turf, Good	79	62	93	0.15	0.14	0.13	0.12	0.09	0.06		1.00	0.20	0.07	0.12	0.14	
	6.37		S22	B	Water	98	95	100	6.11	6.09	6.06	5.99	5.84	5.60		0.00	0.30	0.00	0.00	0.00	
	13.17		S22	C	Water	98	95	100	12.65	12.60	12.53	12.39	12.08	11.59		0.00	0.25	0.00	0.00	0.00	
	4.04		S22	D	Water	98	95	100	3.88	3.87	3.85	3.80	3.71	3.56		0.00	0.20	0.00	0.00	0.00	
	111.58		S22	A	Woodland, Grass, Fair	44	26	64	13.67	11.20	8.18	0.00	0.00	0.00		1.00	0.40	33.47	55.79	66.95	
	10.81		S22	B	Woodland, Grass, Fair	65	45	83	4.23	3.91	3.47	0.46	0.03	0.00		1.00	0.30	3.24	5.40	6.48	
	116.11		S22	C	Woodland, Grass, Fair	77	59	92	67.27	64.18	59.88	21.00	10.11	2.14		1.00	0.25	34.83	58.05	69.66	
	182.56		S22	D	Woodland, Grass, Fair	82	66	95	121.24	116.99	110.97	48.59	28.67	11.17		1.00	0.20	54.77	91.28	109.54	
	9.49		S23	A	Chaparral, Broadleaf, Fair	40	23	60	0.79	0.61	0.40	0.00	0.00	0.00		1.00	0.40	2.85	4.75	5.69	
	40.94		S23	C	Chaparral, Broadleaf, Fair	75	57	91	22.37	21.25	19.68	6.24	2.70	0.36		1.00	0.25	12.28	20.47	24.56	
	3.64		S23	D	Chaparral, Broadleaf, Fair	81	64	95	2.35	2.27	2.14	0.90	0.51	0.18		1.00	0.20	1.09	1.82	2.18	
	4.78		S23	A	Grass, Annual or Perennial, Fair	50	31	70	0.91	0.78	0.62	0.00	0.00	0.00		1.00	0.40	1.43	2.39	2.87	
	3.71		S23	B	Grass, Annual or Perennial, Fair	69	50	86	1.67	1.56	1.42	0.30	0.07	0.00		1.00	0.30	1.11	1.85	2.22	
	67.78		S23	C	Grass, Annual or Perennial, Fair	79	62	93	41.53	39.81	37.40	14.31	7.52	2.14		1.00	0.25	20.33	33.89	40.67	
	228.76		S23	D	Grass, Annual or Perennial, Fair	84	69	96	159.91	154.97	147.92	70.44	44.41	20.15		1.00	0.20	68.63	114.38	137.25	
	16.32		S23	A	Open Brush, Fair	46	28	66	2.35	1.96	1.49	0.00	0.00	0.00		1.00	0.40	4.90	8.16	9.79	
	27.24		S23	B	Open Brush, Fair	66	46	84	11.07	10.25	9.15	1.39	0.16	0.00		1.00	0.30	8.17	13.62	16.35	
	492.24		S23	C	Open Brush, Fair	77	59	92	285.18	272.11	253.85	89.01	42.86	9.08		1.00	0.25	147.67	246.12	295.34	
	351.19		S23	D	Open Brush, Fair	83	67	96	239.33	231.44	220.23	100.68	61.49	25.98		1.00	0.20	105.36	175.59	210.71	
	0.08		S23	D	Public Park	75	57	91	0.05	0.04	0.04	0.04	0.03	0.02		0.85	0.20	0.02	0.03	0.04	
	1.08		S23	C	Residential 3-4 dwellings/acre	69	50	86	0.71	0.69	0.66	0.61	0.53	0.44		0.60	0.25	0.19	0.32	0.39	
	0.00		S23	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00	
	142.11		S23	A	Woodland, Grass, Fair	44	26	64	17.41	14.26	10.41	0.00	0.00	0.00		1.00	0.40	42.63	71.05	85.26	
	6.84		S23	B	Woodland, Grass, Fair	65	45	83	2.68	2.47	2.20	0.29	0.02	0.00		1.00	0.30	2.05	3.42	4.10	
	139.99		S23	C	Woodland, Grass, Fair	77	59	92	81.11	77.39	72.20	25.32	12.19	2.58		1.00	0.25	42.00	70.00	84.00	
	47.57		S23	D	Woodland, Grass, Fair	82	66	95	31.59	30.48	28.91	12.66	7.47	2.91		1.00	0.20	14.27	23.78	28.54	
	13.09		S24	A	Chaparral, Broadleaf, Fair	40	23	60	1.09	0.84	0.55	0.00	0.00	0.00		1.00	0.40	3.93	6.55	7.85	
	276.29		S24	C	Chaparral, Broadleaf, Fair	75	57	91	150.99	143.38	132.81	42.14	18.22	2.44		1.00	0.25	82.89	138.14	165.77	
	147.05		S24	D	Chaparral, Broadleaf, Fair	81	64	95	95.12	91.59	86.60	36.21	20.59	7.30		1.00	0.20	44.12	73.53	88.23	
	6.85		S24	B	Chaparral, Narrowleaf, Fair	72	53	89	3.42	3.22	2.95	0.78	0.27	0.01		1.00	0.30	2.06	3.43	4.11	
	97.55		S24	C	Chaparral, Narrowleaf, Fair	81	64	95	63.10	60.76	57.45	24.02	13.66								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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						
						II	I	III	AMC 1/AMCI											5.63	EV				HC	
																					All					
	491.04		S24	D	Open Brush, Fair	83	67	96	334.63	323.61	307.93	140.78	85.97	36.33		1.00	0.20	147.31	245.52	294.62						
	103.80		S24	A	Woodland, Grass, Fair	44	26	64	12.71	10.41	7.61	0.00	0.00	0.00		1.00	0.40	31.14	51.90	62.28						
	3.00		S24	B	Woodland, Grass, Fair	65	45	83	1.18	1.09	0.96	0.13	0.01	0.00		1.00	0.30	0.90	1.50	1.80						
	103.45		S24	C	Woodland, Grass, Fair	77	59	92	59.93	57.19	53.35	18.71	9.01	1.91		1.00	0.25	31.04	51.73	62.07						
	80.24		S24	D	Woodland, Grass, Fair	82	66	95	53.29	51.42	48.77	21.36	12.60	4.91		1.00	0.20	24.07	40.12	48.14						
	0.38		S25	A	Chaparral, Broadleaf, Fair	40	23	60	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.11	0.19	0.23						
	10.79		S25	B	Chaparral, Broadleaf, Fair	63	43	81	3.91	3.58	3.15	0.32	0.00	0.00		1.00	0.30	3.24	5.39	6.47						
	180.22		S25	C	Chaparral, Broadleaf, Fair	75	57	91	98.49	93.53	86.63	27.49	11.88	1.59		1.00	0.25	54.07	90.11	108.13						
	52.57		S25	D	Chaparral, Broadleaf, Fair	81	64	95	34.01	32.74	30.96	12.95	7.36	2.61		1.00	0.20	15.77	26.29	31.54						
	7.58		S25	B	Chaparral, Narrowleaf, Fair	72	53	89	3.78	3.56	3.26	0.86	0.30	0.01		1.00	0.30	2.27	3.79	4.55						
	94.15		S25	C	Chaparral, Narrowleaf, Fair	81	64	95	60.90	58.64	55.45	23.19	13.18	4.68		1.00	0.25	28.25	47.08	56.49						
	99.70		S25	D	Chaparral, Narrowleaf, Fair	86	72	97	73.24	71.27	68.45	35.48	23.78	12.26		1.00	0.20	29.91	49.85	59.82						
	5.79		S25	A	Grass, Annual or Perennial, Fair	50	31	70	1.10	0.95	0.76	0.00	0.00	0.00		1.00	0.40	1.74	2.90	3.48						
	16.90		S25	B	Grass, Annual or Perennial, Fair	69	50	86	7.63	7.14	6.46	1.35	0.33	0.00		1.00	0.30	5.07	8.45	10.14						
	11.07		S25	C	Grass, Annual or Perennial, Fair	79	62	93	6.78	6.50	6.11	2.34	1.23	0.35		1.00	0.25	3.32	5.53	6.64						
	114.48		S25	D	Grass, Annual or Perennial, Fair	84	69	96	80.02	77.55	74.03	35.25	22.22	10.08		1.00	0.20	34.34	57.24	68.69						
	94.58		S25	A	Open Brush, Fair	46	28	66	13.62	11.39	8.62	0.00	0.00	0.00		1.00	0.40	28.38	47.29	56.75						
	159.36		S25	B	Open Brush, Fair	66	46	84	64.72	59.97	53.55	8.14	0.96	0.00		1.00	0.30	47.81	79.68	95.61						
	612.94		S25	C	Open Brush, Fair	77	59	92	355.11	338.84	316.10	110.84	53.37	11.30		1.00	0.25	183.88	306.47	367.77						
	479.25		S25	D	Open Brush, Fair	83	67	96	326.60	315.84	300.54	137.40	83.91	35.46		1.00	0.20	143.78	239.63	287.55						
	33.85		S25	A	Public Park	32	17	52	5.51	5.21	4.93	4.78	4.66	4.47		0.85	0.40	8.63	14.39	17.27						
	7.86		S25	B	Public Park	56	36	76	2.90	2.71	2.45	2.05	1.47	1.08		0.85	0.30	2.00	3.34	4.01						
	3.30		S25	C	Public Park	69	50	86	1.74	1.66	1.54	1.35	1.01	0.69		0.85	0.25	0.84	1.40	1.68						
	2.46		S25	D	Public Park	75	57	91	1.50	1.44	1.36	1.22	0.96	0.68		0.85	0.20	0.63	1.05	1.26						
	173.60		S25	A	Woodland, Grass, Fair	44	26	64	21.26	17.42	12.72	0.00	0.00	0.00		1.00	0.40	52.08	86.80	104.16						
	26.34		S25	B	Woodland, Grass, Fair	65	45	83	10.31	9.52	8.46	1.12	0.08	0.00		1.00	0.30	7.90	13.17	15.80						
	132.01		S25	C	Woodland, Grass, Fair	77	59	92	76.48	72.98	68.08	23.87	11.49	2.43		1.00	0.25	39.60	66.01	79.21						
	30.90		S25	D	Woodland, Grass, Fair	82	66	95	20.52	19.80	18.78	8.22	4.85	1.89		1.00	0.20	9.27	15.45	18.54						
	0.20	E-1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11						
	0.50	E-1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27						
	0.80	E-1	S26.1	D	Commercial	75	57	91	0.74	0.73	0.72	0.71	0.68	0.65		0.10	0.20	0.02	0.04	0.05						
	0.10	E-2	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01						
	2.10	E-2	S26.1	D	Commercial	75	57	91	1.93	1.92	1.90	1.87	1.80	1.70		0.10	0.20	0.06	0.11	0.13						
	0.70	E-2	S26.1	D	Residential 2.5 acre lots	75	57	91	0.41	0.39	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38						
	0.60	E-2.1	S26.1	B	Commercial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04						
	0.20	E-2.1	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.05	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11						
	3.00	E-2.1	S26.1	C	Commercial	69	50	86	2.73	2.71	2.68	2.63	2.54	2.40		0.10	0.25	0.09	0.15	0.18						
	0.10	E-2.1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05						
	1.70	E-2.1	S26.1	D	Commercial	75	57	91	1.56	1.55	1.54	1.51	1.45	1.38		0.10	0.20	0.05	0.09	0.10						
	0.50	E-2.1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27						
	2.00	E-3	S26.1	C	Residential 2.5 acre lots	69	50	86	1.00	0.95	0.88	0.75	0.54	0.34		0.90	0.25	0.54	0.90	1.08						
	2.20	E-3	S26.1	D	Residential 2.5 acre lots	75	57	91	1.29	1.24	1.16	1.03	0.79	0.53		0.90	0.20	0.59	0.99	1.19						
	4.20	E-3	S26.1	B	Residential 2.5 acre lots	56	36	76	1.41	1.30	1.15	0.93	0.60	0.39		0.90	0.30	1.13	1.89	2.27						
	5.30	E-3	S26.1	B	Commercial	56	36	76	4.72	4.69	4.64	4.56	4.40	4.20		0.10	0.30	0.16	0.27	0.32						
	7.10	E-3	S26.1	D	Commercial	75	57	91	6.52	6.48	6.42	6.31	6.07	5.74		0.10	0.20	0.21	0.36	0.43						
	8.60	E-3	S26.1	C	Commercial	69	50	86	7.82	7.77	7.69	7.55	7.27	6.89		0.10	0.25	0.26	0.43	0.52						
	0.60	E-4	S26.1	A	Residential 2.5 acre lots	32	17	52	0.07	0.06	0.06	0.06	0.06	0.05		0.90	0.40	0.16	0.27	0.32						
	1.30	E-4	S26.1	B	Residential 2.5 acre lots	56	36	76	0.44	0.40	0.36	0.29	0.19	0.12		0.90	0.30	0.35	0.59	0.70						
	5.60	E-4	S26.1	A	Commercial	32	17	52	4.85	4.83	4.80	4.74	4.62	4.44		0.10	0.40	0.17	0.28	0.34						
	8.30	E-4	S26.1	B	Commercial	56	36	76	7.39	7.34	7.27	7.15	6.90	6.58		0.10	0.30	0.25	0.42	0.50						
	5.60	E-5	S26.1	A	Apartments	32	17	52	4.33	4.30	4.27	4.22	4.11	3.94		0.20	0.40	0.34	0.56	0.67						
	12.30	E-5	S26.1	B	Apartments	56	36	76	10.10	10.00	9.85	9.61	9.17	8.67		0.20	0.30	0.74	1.23	1.48						
	0.50	E-5	S26.1	A	Commercial	32	17	52	0.43	0.43	0.43	0.42	0.41	0.40		0.10	0.40	0.02	0.03	0.03						
	5.40	E-5	S26.1	B	Commercial	56	36	76	4.81	4.78	4.73	4.65	4.49	4.28		0.10	0.30	0.16	0.27	0.32						
	4.70	E-5	S26.1	A	Residential 2.5 acre lots	32	17	52	0.54	0.50	0.46	0.44	0.43	0.41		0.90	0.40	1.27	2.12	2.54						
	4.20	E-5	S26.1	B	Residential 2.5 acre lots	56	36	76	1.41	1.30	1.15	0.93	0.60	0.39		0.90	0.30	1.13	1.89	2.27						
	9.90	E-5	S26.1	A	Commercial	32	17	52	8.58	8.54	8.48	8.38	8.17	7.84		0.10	0.40	0.30	0.50	0.59						
	0.10	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06						
	0.10	OE-1	S26.1	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06						
	0.20	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.11	0.10	0.10	0.03	0.01	0.00		1.00	0.25	0.06	0.10	0.12						
	0.50	OE-1	S26.1	C	Open Brush, Fair	77	59	92	0.29	0.28	0.26	0.09	0.04	0.01		1.00	0.25	0.15	0.25	0.30						
	2.10	OE-2	S26.1	D	Open Brush, Fair	83	67	96	1.43	1.38	1.32	0.60	0.37	0.16		1.00	0.20	0.63	1.05	1.26						
	3.10	OE-2	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	1.69																	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100								
								AMC		P ₂₄ (Inches)								5.63				
								II	I	III	AMC 1/AMCII											
EV					HC																	
					All																	
	10.40	OE-3	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.68	5.40	5.00	1.59	0.69	0.09		1.00	0.25	3.12	5.20	6.24		
	0.10	OE-4	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06		
	0.30	OE-4	S26.1	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18		
	0.60	OE-4	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36		
	0.10	OE-5	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		1.00	0.25	0.00	0.01	0.01		
	0.90	OE-5	S26.1	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.25	0.20	0.13	0.08		0.90	0.30	0.24	0.41	0.49		
	1.30	OE-5	S26.1	B	Commercial	56	36	76	1.16	1.15	1.14	1.12	1.08	1.03		0.10	0.30	0.04	0.07	0.08		
	0.80	OE-5	S26.1	D	Open Brush, Fair	83	67	96	0.55	0.53	0.50	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.48		
	2.40	OE-5	S26.1	C	Open Brush, Fair	77	59	92	1.39	1.33	1.24	0.43	0.21	0.04		1.00	0.25	0.72	1.20	1.44		
	3.20	OE-5	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.07	1.99	1.88	0.79	0.45	0.16		1.00	0.20	0.96	1.60	1.92		
	4.00	OE-5	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.45	1.33	1.17	0.12	0.00	0.00		1.00	0.30	1.20	2.00	2.40		
	7.10	OE-5	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	3.88	3.68	3.41	1.08	0.47	0.06		1.00	0.25	2.13	3.55	4.26		
	1.00	OE-6	S26.1	B	Commercial	56	36	76	0.89	0.88	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06		
	0.20	OE-6	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.05	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11		
	0.50	OE-6	S26.1	B	Open Brush, Fair	66	46	84	0.20	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30		
	1.80	OE-6	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.98	0.93	0.87	0.27	0.12	0.02		1.00	0.25	0.54	0.90	1.08		
	2.60	OE-6	S26.1	D	Open Brush, Fair	83	67	96	1.77	1.71	1.63	0.75	0.46	0.19		1.00	0.20	0.78	1.30	1.56		
	3.40	OE-6	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.23	1.13	0.99	0.10	0.00	0.00		1.00	0.30	1.02	1.70	2.04		
	3.60	OE-6	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.33	2.24	2.12	0.89	0.50	0.18		1.00	0.20	1.08	1.80	2.16		
	0.10	OE-6	S26.1	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06		
	4.60	OE-6	S26.1	C	Open Brush, Fair	77	59	92	2.67	2.54	2.37	0.83	0.40	0.08		1.00	0.25	1.38	2.30	2.76		
	0.7	F-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.45	0.44	0.41	0.17	0.10	0.03		1.00	0.20	0.21	0.35	0.42		
	0.5	F-1	S26.2	D	Open Brush, Fair	83	67	96	0.34	0.33	0.31	0.14	0.09	0.04		1.00	0.20	0.15	0.25	0.30		
	0.2	F-2	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	5.5	F-2	S26.2	B	Commercial	56	36	76	4.90	4.87	4.82	4.73	4.57	4.36		0.10	0.30	0.17	0.28	0.33		
	0.2	F-2	S26.2	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.1	F-2	S26.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
	0.1	F-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06		
	1.0	F-2	S26.2	C	Commercial	69	50	86	0.91	0.90	0.89	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06		
	0.2	F-2	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12		
	0.1	F-2	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05		
	3.2	F-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.07	1.99	1.88	0.79	0.45	0.16		1.00	0.20	0.96	1.60	1.92		
	3.4	F-2	S26.2	D	Commercial	75	57	91	3.12	3.10	3.07	3.02	2.91	2.75		0.10	0.20	0.10	0.17	0.20		
	3.3	F-2	S26.2	D	Open Brush, Fair	83	67	96	2.25	2.17	2.07	0.95	0.58	0.24		1.00	0.20	0.99	1.65	1.98		
	0.7	F-2	S26.2	D	Residential 2.5 acre lots	75	57	91	0.41	0.39	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38		
	0.5	F-3	S26.2	C	Residential 2.5 acre lots	69	50	86	0.25	0.24	0.22	0.19	0.14	0.09		0.90	0.25	0.14	0.23	0.27		
	2.1	F-3	S26.2	B	Residential 2.5 acre lots	56	36	76	0.70	0.65	0.58	0.46	0.30	0.20		0.90	0.30	0.57	0.95	1.13		
	3.0	F-3	S26.2	D	Residential 2.5 acre lots	75	57	91	1.76	1.69	1.58	1.40	1.07	0.72		0.90	0.20	0.81	1.35	1.62		
	5.9	F-3	S26.2	D	Commercial	75	57	91	5.42	5.39	5.34	5.24	5.04	4.77		0.10	0.20	0.18	0.30	0.35		
	7.7	F-3	S26.2	C	Commercial	69	50	86	7.00	6.95	6.89	6.76	6.51	6.17		0.10	0.25	0.23	0.39	0.46		
	13.6	F-3	S26.2	B	Commercial	56	36	76	12.11	12.03	11.92	11.71	11.30	10.78		0.10	0.30	0.41	0.68	0.82		
	3.8	F-4	S26.2	B	Commercial	56	36	76	3.38	3.36	3.33	3.27	3.16	3.01		0.10	0.30	0.11	0.19	0.23		
	0.6	F-4	S26.2	C	Commercial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04		
	0.1	F-4	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06		
	2.4	F-4	S26.2	B	Residential 2.5 acre lots	56	36	76	0.80	0.74	0.66	0.53	0.35	0.22		0.90	0.30	0.65	1.08	1.30		
	2.2	F-4	S26.2	C	Residential 2.5 acre lots	69	50	86	1.11	1.05	0.97	0.83	0.60	0.38		0.90	0.25	0.59	0.99	1.19		
	0.3	F-4	S26.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16		
	12.3	F-5	S26.2	A	Commercial	32	17	52	10.66	10.61	10.54	10.42	10.15	9.74		0.10	0.40	0.37	0.62	0.74		
	26.8	F-5	S26.2	B	Commercial	56	36	76	23.87	23.71	23.48	23.07	22.27	21.24		0.10	0.30	0.80	1.34	1.61		
	2.0	F-5	S26.2	C	Commercial	69	50	86	1.82	1.81	1.79	1.76	1.69	1.60		0.10	0.25	0.06	0.10	0.12		
	2.7	F-5	S26.2	A	Residential 2.5 acre lots	32	17	52	0.31	0.29	0.27	0.25	0.25	0.24		0.90	0.40	0.73	1.22	1.46		
	0.8	F-5	S26.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.22	0.18	0.12	0.07		0.90	0.30	0.22	0.36	0.43		
	2.1	F-5	S26.2	C	Residential 2.5 acre lots	69	50	86	1.06	1.00	0.92	0.79	0.57	0.36		0.90	0.25	0.57	0.95	1.13		
	8.0	F-5	S26.2	A	Water	98	95	100	7.68	7.65	7.61	7.53	7.34	7.04		0.00	0.40	0.00	0.00	0.00		
	0.1	OF-1	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06		
	0.5	OF-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30		
	1.0	OF-1	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.18	0.07		1.00	0.20	0.30	0.50	0.60		
	0.6	OF-10	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36		
	0.1	OF-11	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05		
	0.4	OF-11	S26.2	C	Commercial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02		
	0.3	OF-11	S26.2	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18		
	4.3	OF-11	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.35	2.23	2.07	0.66	0.28	0.04		1.00	0.25	1.29	2.15	2.58		
	0.1	OF-13	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06		
	1.1	OF-1																				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															
	0.4	OF-15	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24			
	1.0	OF-15	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.18	0.07		1.00	0.20	0.30	0.50	0.60			
	0.1	OF-16	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.4	OF-16	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24			
	0.6	OF-16	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.35	0.33	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36			
	0.7	OF-16	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.49	0.47	0.45	0.22	0.14	0.06		1.00	0.20	0.21	0.35	0.42			
	0.6	OF-17	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36			
	1.5	OF-17	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.05	1.02	0.97	0.46	0.29	0.13		1.00	0.20	0.45	0.75	0.90			
	1.7	OF-17	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.04	1.00	0.94	0.36	0.19	0.05		1.00	0.25	0.51	0.85	1.02			
	3.4	OF-17	S26.2	C	Open Brush, Fair	77	59	92	1.97	1.88	1.75	0.61	0.30	0.06		1.00	0.25	1.02	1.70	2.04			
	7.2	OF-17	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.93	3.74	3.46	1.10	0.47	0.06		1.00	0.25	2.16	3.60	4.32			
	0.1	OF-18	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.1	OF-18	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.6	OF-18	S26.2	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	2.1	OF-18	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.29	1.23	1.16	0.44	0.23	0.07		1.00	0.25	0.63	1.05	1.26			
	8.9	OF-18	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	4.86	4.62	4.28	1.36	0.59	0.08		1.00	0.25	2.67	4.45	5.34			
	14.8	OF-18	S26.2	C	Open Brush, Fair	77	59	92	8.57	8.18	7.63	2.68	1.29	0.27		1.00	0.25	4.44	7.40	8.88			
	0.1	OF-19	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.4	OF-19	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24			
	0.4	OF-19	S26.2	D	Open Brush, Fair	83	67	96	0.27	0.26	0.25	0.11	0.07	0.03		1.00	0.20	0.12	0.20	0.24			
	2.9	OF-19	S26.2	B	Open Brush, Fair	66	46	84	1.18	1.09	0.97	0.15	0.02	0.00		1.00	0.30	0.87	1.45	1.74			
	5.2	OF-19	S26.2	C	Open Brush, Fair	77	59	92	3.01	2.87	2.68	0.94	0.45	0.10		1.00	0.25	1.56	2.60	3.12			
	9.5	OF-19	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.19	4.93	4.57	1.45	0.63	0.08		1.00	0.25	2.85	4.75	5.70			
	1.0	OF-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60			
	0.6	OF-2	S26.2	C	Open Brush, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36			
	2.3	OF-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.49	1.43	1.35	0.57	0.32	0.11		1.00	0.20	0.69	1.15	1.38			
	1.0	OF-2	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.18	0.07		1.00	0.20	0.30	0.50	0.60			
	0.2	OF-20	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.5	OF-20	S26.2	B	Woodland, Grass, Fair	65	45	83	0.20	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	1.2	OF-20	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.74	0.70	0.66	0.25	0.13	0.04		1.00	0.25	0.36	0.60	0.72			
	3.6	OF-20	S26.2	C	Woodland, Grass, Fair	77	59	92	2.09	1.99	1.86	0.65	0.31	0.07		1.00	0.25	1.08	1.80	2.16			
	3.8	OF-20	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.72	1.60	1.45	0.30	0.07	0.00		1.00	0.30	1.14	1.90	2.28			
	6.1	OF-20	S26.2	B	Open Brush, Fair	66	46	84	2.48	2.30	2.05	0.31	0.04	0.00		1.00	0.30	1.83	3.05	3.66			
	14.3	OF-20	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	7.81	7.42	6.87	2.18	0.94	0.13		1.00	0.25	4.29	7.15	8.58			
	21.6	OF-20	S26.2	C	Open Brush, Fair	77	59	92	12.51	11.94	11.14	3.91	1.88	0.40		1.00	0.25	6.48	10.80	12.96			
	0.3	OF-21	S26.2	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18			
	0.3	OF-21	S26.2	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.6	OF-21	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36			
	2.3	OF-21	S26.2	C	Woodland, Grass, Fair	77	59	92	1.33	1.27	1.19	0.42	0.20	0.04		1.00	0.25	0.69	1.15	1.38			
	3.2	OF-21	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.75	1.66	1.54	0.49	0.21	0.03		1.00	0.25	0.96	1.60	1.92			
	0.1	OF-3	S26.2	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	4.6	OF-3	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.51	2.39	2.21	0.70	0.30	0.04		1.00	0.25	1.38	2.30	2.76			
	4.0	OF-3	S26.2	C	Open Brush, Fair	77	59	92	2.32	2.21	2.06	0.72	0.35	0.07		1.00	0.25	1.20	2.00	2.40			
	0.6	OF-3	S26.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36			
	2.7	OF-3	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.75	1.68	1.59	0.66	0.38	0.13		1.00	0.20	0.81	1.35	1.62			
	5.1	OF-3	S26.2	D	Open Brush, Fair	83	67	96	3.48	3.36	3.20	1.46	0.89	0.38		1.00	0.20	1.53	2.55	3.06			
	0.2	OF-4	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	0.7	OF-4	S26.2	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.20	0.12	0.05		1.00	0.20	0.21	0.35	0.42			
	0.2	OF-5	S26.2	D	Woodland, Grass, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12			
	1.0	OF-5	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60			
	1.4	OF-5	S26.2	C	Open Brush, Fair	77	59	92	0.81	0.77	0.72	0.25	0.12	0.03		1.00	0.25	0.42	0.70	0.84			
	4.4	OF-5	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.85	2.74	2.59	1.08	0.62	0.22		1.00	0.20	1.32	2.20	2.64			
	6.7	OF-5	S26.2	D	Open Brush, Fair	83	67	96	4.57	4.42	4.20	1.92	1.17	0.50		1.00	0.20	2.01	3.35	4.02			
	0.7	OF-6	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.45	0.44	0.41	0.17	0.10	0.03		1.00	0.20	0.21	0.35	0.42			
	1.4	OF-6	S26.2	D	Woodland, Grass, Fair	82	66	95	0.93	0.90	0.85	0.37	0.22	0.09		1.00	0.20	0.42	0.70	0.84			
	5.4	OF-6	S26.2	D	Open Brush, Fair	83	67	96	3.68	3.56	3.39	1.55	0.95	0.40		1.00	0.20	1.62	2.70	3.24			
	0.6	OF-7	S26.2	B	Woodland, Grass, Fair	65	45	83	0.23	0.22	0.19	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.8	OF-7	S26.2	C	Woodland, Grass, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48			
	0.8	OF-7	S26.2	B	Open Brush, Fair	66	46	84	0.32	0.30	0.27	0.04	0.00	0.00		1.00	0.30	0.24	0.40	0.48			
	1.1	OF-7	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.40	0.37	0.32	0.03	0.00	0.00		1.00	0.30	0.33	0.55	0.66			
	5.2	OF-7	S26.2	D	Woodland, Grass, Fair	82	66	95	3.45	3.33	3.16	1.38	0.82	0.32		1.00	0.20	1.56	2.60	3.12			
	6.3	OF-7	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.44	3.27	3.03	0.96	0.42	0.06		1.00	0.25	1.89	3.15	3.78			
	9.7	OF-7	S26.2	C	Open Brush, Fair	77	59	92	5.62	5.36	5.00	1.75	0.84	0.18		1.00	0.25	2.91	4.85	5.82			
	17.0	OF-7	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	11.00	10.59	10.01	4.19	2.38	0.84		1.00	0.20	5.10	8.50	10.20			
	36.6	OF-7	S26.2	D	Open Brush, Fair	83	67	96	24.94	24.12	22.95	10.49	6.41	2.71		1.00	0.20	10.98	18.30	21.96			
	0.1	OF-8	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.3	OF-8	S26.2	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.10	0.01	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	0.6	OF-8	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.35													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCII								
	0.9	OF-8	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.41	0.38	0.34	0.07	0.02	0.00		1.00	0.30	0.27	0.45	0.54			
	3.8	OF-8	S26.2	D	Open Brush, Fair	83	67	96	2.59	2.50	2.38	1.09	0.67	0.28		1.00	0.20	1.14	1.90	2.28			
	4.2	OF-8	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.72	2.62	2.47	1.03	0.59	0.21		1.00	0.20	1.26	2.10	2.52			
	5.1	OF-8	S26.2	C	Woodland, Grass, Fair	77	59	92	2.95	2.82	2.63	0.92	0.44	0.09		1.00	0.25	1.53	2.55	3.06			
	7.0	OF-8	S26.2	C	Open Brush, Fair	77	59	92	4.06	3.87	3.61	1.27	0.61	0.13		1.00	0.25	2.10	3.50	4.20			
	12.0	OF-8	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	6.56	6.23	5.77	1.83	0.79	0.11		1.00	0.25	3.60	6.00	7.20			
	0.5	OF-9	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.35	0.34	0.32	0.15	0.10	0.04		1.00	0.20	0.15	0.25	0.30			
	0.7	OF-9	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.25	0.23	0.20	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	2.3	OF-9	S26.2	C	Woodland, Grass, Fair	77	59	92	1.33	1.27	1.19	0.42	0.20	0.04		1.00	0.25	0.69	1.15	1.38			
	2.4	OF-9	S26.2	B	Open Brush, Fair	66	46	84	0.97	0.90	0.81	0.12	0.01	0.00		1.00	0.30	0.72	1.20	1.44			
	2.5	OF-9	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.13	1.06	0.95	0.20	0.05	0.00		1.00	0.30	0.75	1.25	1.50			
	3.2	OF-9	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.96	1.88	1.77	0.68	0.36	0.10		1.00	0.25	0.96	1.60	1.92			
	7.4	OF-9	S26.2	D	Woodland, Grass, Fair	82	66	95	4.91	4.74	4.50	1.97	1.16	0.45		1.00	0.20	2.22	3.70	4.44			
	12.4	OF-9	S26.2	C	Open Brush, Fair	77	59	92	7.18	6.85	6.39	2.24	1.08	0.23		1.00	0.25	3.72	6.20	7.44			
	28.2	OF-9	S26.2	D	Open Brush, Fair	83	67	96	19.22	18.58	17.68	8.08	4.94	2.09		1.00	0.20	8.46	14.10	16.92			
	31.4	OF-9	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	20.31	19.56	18.49	7.73	4.40	1.56		1.00	0.20	9.42	15.70	18.84			
	42.4	OF-9	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	23.17	22.00	20.38	6.47	2.80	0.37		1.00	0.25	12.72	21.20	25.44			
	0.8	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48			
	2.9	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.68	1.60	1.50	0.52	0.25	0.05		1.00	0.25	0.87	1.45	1.74			
	14.8	O-3	S26.3	C	Open Brush, Fair	77	59	92	8.57	8.18	7.63	2.68	1.29	0.27		1.00	0.25	4.44	7.40	8.88			
	0.2	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11			
	0.1	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	11.7	O-4	S26.3	C	Open Brush, Fair	77	59	92	6.78	6.47	6.03	2.12	1.02	0.22		1.00	0.25	3.51	5.85	7.02			
	1.9	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	0.95	0.90	0.83	0.72	0.52	0.33		0.90	0.25	0.51	0.86	1.03			
	0.1	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.3	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	2.3	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.77	0.71	0.63	0.51	0.33	0.21		0.90	0.30	0.62	1.04	1.24			
	0.6	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.23	0.22	0.19	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	1	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60			
	8.2	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.75	4.53	4.23	1.48	0.71	0.15		1.00	0.25	2.46	4.10	4.92			
	6.2	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	3.11	2.95	2.72	2.34	1.68	1.06		0.90	0.25	1.67	2.79	3.35			
	0.20	26.3-1	S26.3	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	0.20	26.3-1	S26.3	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.50	26.3-1	S26.3	B	Woodland, Grass, Fair	65	45	83	0.20	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	0.90	26.3-1	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.49	0.47	0.43	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54			
	0.50	26.3-1	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.29	0.28	0.11	0.06	0.02		1.00	0.25	0.15	0.25	0.30			
	11.50	26.3-1	S26.3	C	Open Brush, Fair	77	59	92	6.66	6.36	5.93	2.08	1.00	0.21		1.00	0.25	3.45	5.75	6.90			
	0.30	26.3-1	S26.3	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.20	26.3-2	S26.3	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	1.30	26.3-2	S26.3	C	Open Brush, Fair	77	59	92	0.75	0.72	0.67	0.24	0.11	0.02		1.00	0.25	0.39	0.65	0.78			
	1.3	26.3-2	S26.3	A	Public Park	32	17	52	0.21	0.20	0.19	0.18	0.18	0.17		0.85	0.40	0.33	0.55	0.66			
	1.4	26.3-2	S26.3	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40	0.04	0.07	0.08			
	1.7	26.3-2	S26.3	A	Residential 2.5 acre lots	32	17	52	0.20	0.18	0.17	0.16	0.16	0.15		0.90	0.40	0.46	0.77	0.92			
	12.4	26.3-2	S26.3	A	Open Brush, Fair	46	28	66	1.79	1.49	1.13	0.00	0.00	0.00		1.00	0.40	3.72	6.20	7.44			
	26.9	26.3-2	S26.3	A	Woodland, Grass, Fair	44	26	64	3.29	2.70	1.97	0.00	0.00	0.00		1.00	0.40	8.07	13.45	16.14			
	0.5	26.3-3	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30			
	0.4	26.3-3	S26.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.14	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	0.4	26.3-3	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.22	0.21	0.19	0.06	0.03	0.00		1.00	0.25	0.12	0.20	0.24			
	0.6	26.3-3	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.35	0.33	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	C	Public Park	69	50	86	0.37	0.35	0.33	0.29	0.22	0.15		0.85	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	D	Chaparral, Narrowleaf, Fair	86	72	97	0.51	0.50	0.48	0.25	0.17	0.09		1.00	0.20	0.21	0.35	0.42			
	1.0	26.3-3	S26.3	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.18	0.07		1.00	0.20	0.30	0.50	0.60			
	1.2	26.3-3	S26.3	A	Open Brush, Fair	46	28	66	0.17	0.14	0.11	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	1.7	26.3-3	S26.3	D	Residential 2.5 acre lots	75	57	91	1.00	0.96	0.90	0.79	0.61	0.41		0.90	0.20	0.46	0.77	0.92			
	1.9	26.3-3	S26.3	C	Open Brush, Fair	77	59	92	1.10	1.05	0.98	0.34	0.17	0.04		1.00	0.25	0.57	0.95	1.14			
	2.1	26.3-3	S26.3	C	Residential 2.5 acre lots	69	50	86	1.06	1.00	0.92	0.79	0.57	0.36		0.90	0.25	0.57	0.95	1.13			
	2.9	26.3-3	S26.3	C	Chaparral, Narrowleaf, Fair	81	64	95	1.88	1.81	1.71	0.71	0.41	0.14		1.00	0.25	0.87	1.45	1.74			
	5.6	26.3-3	S26.3	C	Woodland, Grass, Fair	77	59	92	3.24	3.10	2.89	1.01	0.49	0.10		1.00	0.25	1.68	2.80	3.36			
	9.0	26.3-3	S26.3	A	Woodland, Grass, Fair	44	26	64	1.10	0.90	0.66	0.00	0.00	0.00		1.00	0.40	2.70	4.50	5.40			
	0.5	26.3-5	S26.3	B	Row Crops, Poor	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.30	0.15	0.25	0.30			
	0.7	26.3-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.27	0.25	0.22	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	1.3	26.3-5	S26.3	D	Public Park	75	57	91	0.79	0.													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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
									EV															
									100	50	25	10	5	2	100									
						AMC			P ₂₄ (Inches)						5.63									
						II	I	III								AMC 1/AMCII								
	0.4	26.3-6	S26.3	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20				
	0.6	26.3-6	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36				
	1.1	26.3-6	S26.3	A	Commercial, Industrial	32	17	52	0.95	0.95	0.94	0.93	0.91	0.87		0.10	0.40	0.03	0.06	0.07				
	0.8	26.3-6	S26.3	A	Public Park	32	17	52	0.13	0.12	0.12	0.11	0.11	0.11		0.85	0.40	0.20	0.34	0.41				
	0.8	26.3-6	S26.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.15	0.13	0.10	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48				
	0.9	26.3-6	S26.3	B	Woodland, Grass, Fair	65	45	83	0.35	0.33	0.29	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54				
	1.5	26.3-6	S26.3	A	Row Crops, Poor	72	53	89	0.75	0.70	0.65	0.17	0.06	0.00		1.00	0.40	0.45	0.75	0.90				
	1.6	26.3-6	S26.3	C	Open Brush, Fair	77	59	92	0.93	0.88	0.83	0.29	0.14	0.03		1.00	0.25	0.48	0.80	0.96				
	1.8	26.3-6	S26.3	D	Open Brush, Fair	83	67	96	1.23	1.19	1.13	0.52	0.32	0.13		1.00	0.20	0.54	0.90	1.08				
	1.9	26.3-6	S26.3	C	Woodland, Grass, Fair	77	59	92	1.10	1.05	0.98	0.34	0.17	0.04		1.00	0.25	0.57	0.95	1.14				
	3.3	26.3-6	S26.3	B	Open Brush, Fair	66	46	84	1.34	1.24	1.11	0.17	0.02	0.00		1.00	0.30	0.99	1.65	1.98				
	3.7	26.3-6	S26.3	C	Public Park	69	50	86	1.95	1.86	1.73	1.51	1.14	0.78		0.85	0.25	0.94	1.57	1.89				
	3.9	26.3-6	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	2.13	2.02	1.87	0.59	0.26	0.03		1.00	0.25	1.17	1.95	2.34				
	5.9	26.3-6	S26.3	B	Public Park	56	36	76	2.18	2.03	1.84	1.54	1.10	0.81		0.85	0.30	1.50	2.51	3.01				
	9.1	26.3-6	S26.3	A	Woodland, Grass, Fair	44	26	64	1.11	0.91	0.67	0.00	0.00	0.00		1.00	0.40	2.73	4.55	5.46				
	20.6	26.3-6	S26.3	A	Open Brush, Fair	46	28	66	2.97	2.48	1.88	0.00	0.00	0.00		1.00	0.40	6.18	10.30	12.36				
	1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.40	1.39	1.37	1.34	1.27	1.18		0.20	0.20	0.10	0.16	0.19				
	0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01				
	1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.93	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13				
	0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02				
	1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.36	1.35	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09				
	0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01				
	0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.59	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08				
	0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06				
	1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.73	1.72	1.70	1.67	1.61	1.52		0.10	0.25	0.06	0.10	0.11				
	2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.30	2.28	2.26	2.22	2.14	2.02		0.10	0.20	0.08	0.13	0.15				
	0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10				
	0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.61	0.61	0.60	0.58	0.55	0.52		0.20	0.20	0.04	0.07	0.08				
	0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	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	0.09	0.08		0.10	0.20	0.00	0.01	0.01				
	0.2	C1-13	S27.2	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10				
	6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.24	5.18	5.11	4.97	4.72	4.41		0.20	0.25	0.37	0.61	0.73				
	6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.35	5.30	5.23	5.10	4.83	4.50		0.20	0.20	0.37	0.61	0.73				
	1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10				
	1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08				
	3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.58	2.55	2.51	2.45	2.32	2.17		0.20	0.25	0.18	0.30	0.36				
	2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.84	1.83	1.80	1.75	1.66	1.55		0.20	0.20	0.13	0.21	0.25				
	3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.61	2.55	2.47	2.32	2.07	1.80		0.50	0.25	0.56	0.93	1.11				
	6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.52	4.43	4.30	4.07	3.64	3.15		0.50	0.20	0.90	1.50	1.80				
	0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.34	0.34	0.33	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05				
	0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16				
	6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.80	4.69	4.53	4.27	3.80	3.31		0.50	0.25	1.02	1.70	2.04				
	19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.39	14.09	13.68	12.94	11.57	10.03		0.50	0.20	2.87	4.78	5.73				
	0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02				
	0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01				
	0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38				
	8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.28	6.14	5.93	5.58	4.97	4.33		0.50	0.25	1.34	2.23	2.67				
	7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.57	5.46	5.30	5.01	4.48	3.89		0.50	0.20	1.11	1.85	2.22				
	0.1	C1-17	S27.2	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01				
	1.4	C1-17	S27.2	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40	0.04	0.07	0.08				
	4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.28	4.25	4.21	4.13	3.99	3.80		0.10	0.30	0.14	0.24	0.29				
	5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.55	4.52	4.47	4.39	4.23	4.01		0.10	0.25	0.15	0.25	0.30				
	3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.16	2.99		0.10	0.20	0.11	0.19	0.22				
	5.0	C1-17	S27.2	D	Public Park	75	57	91	3.04	2.92	2.76	2.47	1.94	1.39		0.85	0.20	1.28	2.13	2.55				
	4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.43	3.40	3.35	3.26	3.09	2.89		0.20	0.25	0.24	0.40	0.48				
	12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.14	11.04	10.89	10.61	10.07	9.37		0.20	0.20	0.76	1.27	1.52				
	1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.37	0.34	0.30	0.24	0.16	0.10		0.90	0.30	0.30	0.50	0.59				
	1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.57	0.41	0.26		0.90	0.25	0.41	0.68	0.81				
	2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.47	1.41	1.32	1.17	0.89	0.60		0.90	0.20	0.68	1.13	1.35				
	0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03				
	4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.18	3.10	3.00	2.82	2.51	2.19		0.50	0.25	0.68	1.13	1.35				
	1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	1.05	1.03	1.00	0.95	0.85	0.74		0.50	0.20	0.21	0.3					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100										
						AMC		P ₂₄ (Inches)						5.63								
						II	I	III				AMC 1/AMCII										

	0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
	0.7	C1-21	S27.2	C	School	69	50	86	0.46	0.45	0.43	0.40	0.34	0.29		0.60	0.25	0.13	0.21	0.25	
	0.1	C1-22	S27.2	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	2.0	C1-22	S27.2	C	Public Park	69	50	86	1.06	1.00	0.93	0.82	0.61	0.42		0.85	0.25	0.51	0.85	1.02	
	2.1	C1-22	S27.2	D	Public Park	75	57	91	1.28	1.23	1.16	1.04	0.82	0.58		0.85	0.20	0.54	0.89	1.07	
	5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.81	4.76	4.69	4.57	4.33	4.05		0.20	0.25	0.34	0.56	0.67	
	0.9	C1-22	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.71	0.66		0.20	0.20	0.05	0.09	0.11	
	3.1	C1-22	S27.2	C	School	69	50	86	2.03	1.97	1.89	1.75	1.51	1.26		0.60	0.25	0.56	0.93	1.12	
	0.3	C1-22	S27.2	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11	
	1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	1.00	0.99	0.98	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07	
	1.1	C1-23	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07	
	3.1	C1-23	S27.2	C	Public Park	69	50	86	1.64	1.56	1.45	1.27	0.95	0.65		0.85	0.25	0.79	1.32	1.58	
	2.6	C1-23	S27.2	D	Public Park	75	57	91	1.58	1.52	1.43	1.28	1.01	0.72		0.85	0.20	0.66	1.11	1.33	
	4.8	C1-23	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.12	4.08	4.02	3.91	3.71	3.47		0.20	0.25	0.29	0.48	0.58	
	3.4	C1-23	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.98	2.95	2.91	2.84	2.69	2.51		0.20	0.20	0.20	0.34	0.41	
	3.1	C1-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.66	2.63	2.60	2.53	2.40	2.24		0.20	0.25	0.19	0.31	0.37	
	5.0	C1-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	4.39	4.35	4.29	4.18	3.96	3.69		0.20	0.20	0.30	0.50	0.60	
	0.2	C1-24	S27.2	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11	
	1.2	C1-24	S27.2	D	Residential 2.5 acre lots	75	57	91	0.71	0.68	0.63	0.56	0.43	0.29		0.90	0.20	0.32	0.54	0.65	
	13.9	C1-24	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	9.81	9.58	9.27	8.72	7.76	6.76		0.50	0.25	2.09	3.48	4.17	
	18.6	C1-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.01	13.72	13.32	12.60	11.27	9.77		0.50	0.20	2.79	4.65	5.58	
	1.0	C1-25	S27.2	B	Commercial, Industrial	56	36	76	0.89	0.88	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06	
	6.1	C1-25	S27.2	C	Commercial, Industrial	69	50	86	5.55	5.51	5.46	5.36	5.16	4.89		0.10	0.25	0.18	0.31	0.37	
	12.9	C1-25	S27.2	D	Commercial, Industrial	75	57	91	11.85	11.78	11.66	11.46	11.03	10.44		0.10	0.20	0.39	0.65	0.77	
	0.3	C1-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04	
	0.9	C1-25	S27.2	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.25	0.20	0.13	0.08		0.90	0.30	0.24	0.41	0.49	
	12.8	C1-25	S27.2	C	Residential 2.5 acre lots	69	50	86	6.43	6.09	5.62	4.82	3.48	2.19		0.90	0.25	3.46	5.76	6.91	
	23.2	C1-25	S27.2	D	Residential 2.5 acre lots	75	57	91	13.64	13.06	12.24	10.83	8.29	5.61		0.90	0.20	6.26	10.44	12.53	
	0.3	C1-25	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09	
	0.3	C1-25	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	4.8	C1-26	S27.2	C	Commercial, Industrial	69	50	86	4.37	4.34	4.29	4.22	4.06	3.85		0.10	0.25	0.14	0.24	0.29	
	4.8	C1-26	S27.2	D	Commercial, Industrial	75	57	91	4.41	4.38	4.34	4.26	4.10	3.88		0.10	0.20	0.14	0.24	0.29	
	0.1	C1-26	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05	
	6.3	C1-26	S27.2	D	Public Park	75	57	91	3.83	3.68	3.47	3.11	2.45	1.75		0.85	0.20	1.61	2.68	3.21	
	5.0	C1-26	S27.2	B	Residential 10+ dwellings/acre	56	36	76	4.11	4.06	4.00	3.90	3.73	3.53		0.20	0.30	0.30	0.50	0.60	
	43.3	C1-26	S27.2	C	Residential 10+ dwellings/acre	69	50	86	37.17	36.79	36.26	35.31	33.49	31.28		0.20	0.25	2.60	4.33	5.20	
	38.7	C1-26	S27.2	D	Residential 10+ dwellings/acre	75	57	91	33.96	33.63	33.17	32.33	30.67	28.57		0.20	0.20	2.32	3.87	4.64	
	2.3	C1-26	S27.2	C	Residential 2.5 acre lots	69	50	86	1.16	1.09	1.01	0.87	0.62	0.39		0.90	0.25	0.62	1.04	1.24	
	3.6	C1-26	S27.2	D	Residential 2.5 acre lots	75	57	91	2.12	2.03	1.90	1.68	1.29	0.87		0.90	0.20	0.97	1.62	1.94	
	0.5	C1-27	S27.2	A	Apartments	32	17	52	0.39	0.38	0.38	0.38	0.37	0.35		0.20	0.40	0.03	0.05	0.06	
	14.8	C1-27	S27.2	B	Apartments	56	36	76	12.16	12.03	11.85	11.56	11.03	10.44		0.20	0.30	0.89	1.48	1.78	
	1.9	C1-27	S27.2	C	Apartments	69	50	86	1.63	1.61	1.59	1.55	1.47	1.37		0.20	0.25	0.11	0.19	0.23	
	9.9	C1-27	S27.2	D	Apartments	75	57	91	8.69	8.60	8.49	8.27	7.85	7.31		0.20	0.20	0.59	0.99	1.19	
	1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.56	1.55	1.54	1.52	1.49	1.43		0.10	0.40	0.05	0.09	0.11	
	8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.48	7.43	7.36	7.23	6.98	6.66		0.10	0.30	0.25	0.42	0.50	
	7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.91	6.86	6.80	6.67	6.42	6.09		0.10	0.25	0.23	0.38	0.46	
	14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.86	12.78	12.66	12.43	11.97	11.33		0.10	0.20	0.42	0.70	0.84	
	1.4	C1-27	S27.2	C	Public Park	69	50	86	0.74	0.70	0.65	0.57	0.43	0.29		0.85	0.25	0.36	0.60	0.71	
	0.3	C1-27	S27.2	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15	
	0.2	C1-27	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.15	0.15	0.15	0.15	0.15	0.14		0.20	0.40	0.01	0.02	0.02	
	0.3	C1-27	S27.2	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.23	0.22	0.21		0.20	0.30	0.02	0.03	0.04	
	12.2	C1-27	S27.2	C	Residential 10+ dwellings/acre	69	50	86	10.47	10.37	10.22	9.95	9.44	8.81		0.20	0.25	0.73	1.22	1.46	
	17.6	C1-27	S27.2	D	Residential 10+ dwellings/acre	75	57	91	15.44	15.30	15.09	14.71	13.95	12.99		0.20	0.20	1.06	1.76	2.11	
	0.3	C1-27	S27.2	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16	
	0.9	C1-27	S27.2	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.39	0.34	0.24	0.15		0.90	0.25	0.24	0.41	0.49	
	9.3	C1-27	S27.2	D	Residential 2.5 acre lots	75	57	91	5.47	5.23	4.91	4.34	3.32	2.25		0.90	0.20	2.51	4.19	5.02	
	0.2	C1-27	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06	
	5.3	C1-27	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.74	3.65	3.53	3.33	2.96	2.58		0.50	0.25	0.80	1.33	1.59	
	28.3	C1-27	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	21.32	20.88	20.26	19.17	17.15	14.87		0.50	0.20	4.25	7.08	8.49	
	3.8	C1-27	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	2.88	2.82	2.75	2.62	2.39	2.15		0.40	0.25	0.46	0.76	0.91	
	4.1	C1-27	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	3.26	3.20	3.13	2.99	2.74	2.44		0.40	0.20	0.49	0.82	0.98	
	0.3	C1-27	S27.2	C	School	69	50	86	0.20	0.19	0.18										

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III														

	17.5	C1-30	S27.2	A	Apartments	32	17	52	13.52	13.44	13.33	13.17	12.84	12.32		0.20	0.40	1.05	1.75	2.10	
	1.5	C1-30	S27.2	B	Apartments	56	36	76	1.23	1.22	1.20	1.17	1.12	1.06		0.20	0.30	0.09	0.15	0.18	
	0.7	C1-30	S27.2	C	Apartments	69	50	86	0.60	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08		
	0.1	C1-30	S27.2	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.06	
	44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.64	38.46	38.20	37.77	36.81	35.32		0.10	0.40	1.34	2.23	2.68	
	0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04	
	2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.82	1.81	1.79	1.76	1.69	1.60		0.10	0.25	0.06	0.10	0.12	
	4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.77	3.74	3.71	3.64	3.50	3.32		0.10	0.20	0.12	0.21	0.25	
	0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.64	2.62	2.59	2.55	2.45	2.32		0.10	0.25	0.09	0.15	0.17	
	4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.13	4.11	4.07	4.00	3.85	3.64		0.10	0.20	0.14	0.23	0.27	
	5.7	C1-4	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.89	4.84	4.77	4.65	4.41	4.12		0.20	0.25	0.34	0.57	0.68	
	2.4	C1-4	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.11	2.09	2.06	2.01	1.90	1.77		0.20	0.20	0.14	0.24	0.29	
	0.5	C1-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.38	0.37	0.36	0.33	0.32	0.28		0.40	0.25	0.06	0.10	0.12	
	5.7	C1-4	S27.2	C	School	69	50	86	3.73	3.62	3.48	3.22	2.77	2.32		0.60	0.25	1.03	1.71	2.05	
	6.7	C1-4	S27.2	D	School	75	57	91	4.77	4.65	4.48	4.19	3.64	3.04		0.60	0.20	1.21	2.01	2.41	
	0.1	C1-4	S27.2	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.91	0.90	0.89	0.88	0.85	0.80		0.10	0.25	0.03	0.05	0.06	
	0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.83	0.82	0.81	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05	
	0.6	C1-5	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07	
	0.1	C1-5	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
	0.1	C1-5	S27.2	C	School	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04	
	0.5	C1-5	S27.2	D	School	75	57	91	0.36	0.35	0.33	0.31	0.27	0.23		0.60	0.20	0.09	0.15	0.18	
	1.7	C1-6	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10	
	4.4	C1-6	S27.2	D	Commercial, Industrial	75	57	91	4.04	4.02	3.98	3.91	3.76	3.56		0.10	0.20	0.13	0.22	0.26	
	0.6	C1-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07	
	1.3	C1-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.11	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16	
	2.8	C1-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.83	1.78	1.71	1.58	1.36	1.14		0.60	0.25	0.50	0.84	1.01	
	7.1	C1-6	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	5.06	4.93	4.75	4.44	3.86	3.23		0.60	0.20	1.28	2.13	2.56	
	3.3	C1-7	S27.2	C	Commercial, Industrial	69	50	86	3.00	2.98	2.95	2.90	2.79	2.64		0.10	0.25	0.10	0.17	0.20	
	0.4	C1-7	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
	0.1	C1-7	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05	
	0.2	C1-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	1.2	C2-1	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.91	0.89	0.87	0.83	0.76	0.68		0.40	0.25	0.14	0.24	0.29	
	0.5	C2-10	S27.2	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27	
	0.2	C2-10	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.12	0.11	0.09		0.60	0.20	0.04	0.06	0.07	
	0.9	C2-11	S27.2	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.39	0.34	0.24	0.15		0.90	0.25	0.24	0.41	0.49	
	0.3	C2-11	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
	0.1	C2-11	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04	
	0.1	C2-11	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	0.3	C2-11	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	2.0	C2-12	S27.2	C	Residential 2.5 acre lots	69	50	86	1.00	0.95	0.88	0.75	0.54	0.34		0.90	0.25	0.54	0.90	1.08	
	0.4	C2-12	S27.2	D	Residential 2.5 acre lots	75	57	91	0.24	0.23	0.21	0.19	0.14	0.10		0.90	0.20	0.11	0.18	0.22	
	0.4	C2-12	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27	0.25	0.22	0.19		0.50	0.25	0.06	0.10	0.12	
	0.3	C2-12	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	0.1	C2-13	S27.2	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.07	0.06		0.20	0.25	0.01	0.01	0.01	
	1.5	C2-13	S27.2	C	Commercial, Industrial	69	50	86	1.36	1.35	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09	
	0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.41	1.33	1.23	1.06	0.76	0.48		0.90	0.25	0.76	1.26	1.51	
	1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.59	0.56	0.53	0.47	0.36	0.24		0.90	0.20	0.27	0.45	0.54	
	0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03	
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.82	0.81	0.80	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05	
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04	
	6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.45	4.34	4.20	3.95	3.52	3.06		0.50	0.25	0.95	1.58	1.89	
	3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.79	2.73	2.65	2.51	2.24	1.94		0.50	0.20	0.56	0.93	1.11	
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.37	1.36	1.34	1.30	1.24	1.16		0.20	0.25	0.10	0.16	0.19	
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.56	9.47	9.34	9.11	8.64	8.05		0.20	0.20	0.65	1.09	1.31	
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.18	1.17	1.16	1.14	1.10	1.04		0.10	0.25	0.04	0.07	0.08	
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08	
	1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.93	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13	
	7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	6.14	6.08	6.00	5.85	5.55	5.17		0.20	0.20	0.42	0.70	0.84	
	0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.28	0.28	0.27	0.25	0.22	0.18		0.60	0.20	0.07	0.12	0.14	
	4.9	C2-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.46	3.38	3.27	3.07	2.74	2.38		0.50	0.25	0.74	1.23	1.47	
	9.3	C2-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	7.01	6.86	6.66	6.30	5.64	4.89		0.50	0.20	1.40	2.33	2.79	
	0.3	C2-15	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07	
	0.1	C2-15	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02	
	3.3	C2-2	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	2.16	2.10	2.01	1.86	1.61</								

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100												
						AMC			P ₂₄ (Inches)					5.63										
						II	I	III				AMC 1/AMCII												
																					All			
	0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.12	0.11	0.09		0.60	0.20	0.04	0.06	0.07				
	1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.76	0.73	0.69	0.61	0.46	0.31		0.90	0.20	0.35	0.59	0.70				
	0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.36	0.35	0.33	0.31	0.27	0.23		0.60	0.20	0.09	0.15	0.18				
	0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.22	0.18	0.12	0.07		0.90	0.30	0.22	0.36	0.43				
	1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.33	0.21		0.90	0.25	0.32	0.54	0.65				
	0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11				
	0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.22	0.21	0.20	0.18	0.16	0.14		0.60	0.30	0.07	0.12	0.14				
	1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.11	1.08	1.04	0.96	0.83	0.69		0.60	0.25	0.31	0.51	0.61				
	0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04				
	0.8	C2-23	S27.2	C	Apartments	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10				
	0.4	C2-23	S27.2	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.30		0.20	0.20	0.02	0.04	0.05				
	0.9	C2-23	S27.2	B	Public Park	56	36	76	0.33	0.31	0.28	0.24	0.17	0.12		0.85	0.30	0.23	0.38	0.46				
	0.4	C2-23	S27.2	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20				
	0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05				
	0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38				
	3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.79	1.73	1.65	1.52	1.33	1.17		0.60	0.30	0.59	0.99	1.19				
	2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.38	1.34	1.28	1.19	1.02	0.86		0.60	0.25	0.38	0.63	0.76				
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.18	3.14	3.10	3.02	2.86	2.67		0.20	0.25	0.22	0.37	0.44				
	6.8	C2-24	S27.2	D	Apartments	75	57	91	5.97	5.91	5.83	5.68	5.39	5.02		0.20	0.20	0.41	0.68	0.82				
	0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.59	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08				
	2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.28	2.26	2.23	2.17	2.06	1.92		0.20	0.20	0.16	0.26	0.31				
	2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.44	1.40	1.34	1.24	1.07	0.90		0.60	0.25	0.40	0.66	0.79				
	9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	7.05	6.87	6.62	6.19	5.38	4.50		0.60	0.20	1.78	2.97	3.56				
	1.3	C2-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.98	0.96	0.93	0.88	0.79	0.68		0.50	0.20	0.20	0.33	0.39				
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10				
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.68	2.65	2.62	2.58	2.48	2.35		0.10	0.20	0.09	0.15	0.17				
	3.6	C2-25	S27.2	D	Public Park	75	57	91	2.19	2.10	1.98	1.78	1.40	1.00		0.85	0.20	0.92	1.53	1.84				
	4.5	C2-25	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.86	3.82	3.77	3.67	3.48	3.25		0.20	0.25	0.27	0.45	0.54				
	4.5	C2-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.95	3.91	3.86	3.76	3.57	3.32		0.20	0.20	0.27	0.45	0.54				
	0.1	C2-25	S27.2	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05				
	0.8	C2-25	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.61	0.59	0.58	0.55	0.50	0.45		0.40	0.25	0.10	0.16	0.19				
	0.2	C2-25	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.13	0.12		0.40	0.20	0.02	0.04	0.05				
	0.7	C2-26	S27.2	A	Public Park	32	17	52	0.11	0.11	0.10	0.10	0.10	0.09		0.85	0.40	0.18	0.30	0.36				
	8.9	C2-26	S27.2	B	Public Park	56	36	76	3.29	3.07	2.78	2.32	1.66	1.22		0.85	0.30	2.27	3.78	4.54				
	1.2	C2-26	S27.2	C	Public Park	69	50	86	0.63	0.60	0.56	0.49	0.37	0.25		0.85	0.25	0.31	0.51	0.61				
	3.7	C2-26	S27.2	D	Public Park	75	57	91	2.25	2.16	2.04	1.82	1.44	1.03		0.85	0.20	0.94	1.57	1.89				
	7.4	C2-27	S27.2	A	Apartments	32	17	52	5.72	5.68	5.64	5.57	5.43	5.21		0.20	0.40	0.44	0.74	0.89				
	15.0	C2-27	S27.2	B	Apartments	56	36	76	12.32	12.19	12.01	11.71	11.18	10.58		0.20	0.30	0.90	1.50	1.80				
	5.8	C2-27	S27.2	C	Apartments	69	50	86	4.98	4.93	4.86	4.73	4.49	4.19		0.20	0.25	0.35	0.58	0.70				
	2.5	C2-27	S27.2	D	Apartments	75	57	91	2.19	2.17	2.14	2.09	1.98	1.85		0.20	0.20	0.15	0.25	0.30				
	9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.88	7.85	7.79	7.71	7.51	7.21		0.10	0.40	0.27	0.46	0.55				
	1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.34	1.33	1.31	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09				
	0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03				
	0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.01	0.02				
	0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	2.0	C2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	1.00	0.95	0.88	0.75	0.54	0.34		0.90	0.25	0.54	0.90	1.08				
	8.8	C2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	5.76	5.60	5.37	4.97	4.28	3.59		0.60	0.25	1.58	2.64	3.17				
	0.1	C2-3	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02				
	4.9	C2-3	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.71	3.64	3.55	3.38	3.09	2.77		0.40	0.25	0.59	0.98	1.18				
	0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01				
	0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01				
	0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	4.9	C2-4	S27.2	C	Residential 2.5 acre lots	69	50	86	2.46	2.33	2.15	1.85	1.33	0.84		0.90	0.25	1.32	2.21	2.65				
	1.5	C2-4	S27.2	D	Residential 2.5 acre lots	75	57	91	0.88	0.84	0.79	0.70	0.54	0.36		0.90	0.20	0.41	0.68	0.81				
	1.0	C2-4	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.66	0.64	0.61	0.56	0.49	0.41		0.60	0.25	0.18	0.30	0.36				
	8.8	C2-4	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.21	6.07	5.87	5.52	4.91	4.28		0.50	0.25	1.32	2.20	2.64				
	4.2	C2-4	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	3.16	3.10	3.01	2.85	2.55	2.21		0.50	0.20	0.63	1.05	1.26				
	1.1	C2-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.83	0.82	0.80	0.78	0.69	0.62		0.40	0.25	0.13	0.22	0.26				
	0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01				
	1.8	C2-5	S27.2	C	Public Park	69	50	86	0.95	0.90	0.84	0.73	0.55	0.38		0.85	0.25	0.46	0.77	0.92				
	0.4	C2-5	S27.2	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20				
	1.8	C2-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.90	0.86	0.79	0.68	0.49	0.31		0.90	0.25	0.49	0.81	0.97				
	2.8	C2-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.65	1.58	1.48	1.31	1.00	0.68		0.90	0.20	0.76	1.26	1.51				
	6.1	C2-5	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.31	4.21	4.07	3.83	3.41	2.97		0.50	0.25	0.92	1.53	1.83				
	11.2	C2-5	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	8.44	8.26	8.02	7.59	6.79	5.88		0.50	0.20	1.68	2.80	3.36				
	7.8	C2-5	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	5.90	5.79	5.64	5.38	4.91	4.41		0.40	0.25	0.94	1.56	1.87				
	1.4	C2-5	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	1.11	1.09	1.07	1.02	0.94	0.83		0.40	0.20	0.17	0.28	0.34				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCI														

	0.9	C2-6	S27.2	D	Public Park	75	57	91	0.55	0.53	0.50	0.44	0.35	0.25		0.85	0.20	0.23	0.38	0.46
36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	31.25	30.93	30.48	29.68	28.16	26.30		0.20	0.25	2.18	3.64	4.37	
13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.93	11.82	11.66	11.36	10.78	10.04		0.20	0.20	0.82	1.36	1.63	
4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	2.36	2.24	2.06	1.77	1.28	0.80		0.90	0.25	1.27	2.12	2.54	
2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.23	1.18	1.11	0.98	0.75	0.51		0.90	0.20	0.57	0.95	1.13	
0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04	
0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09	
0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03	
0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02	
9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	7.04	6.91	6.73	6.42	5.86	5.25		0.40	0.25	1.12	1.86	2.23	
0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.70	0.69	0.66	0.60	0.54		0.40	0.20	0.11	0.18	0.22	
0.3	C2-7	S27.2	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04	
0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04	
9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.28	8.22	8.14	7.99	7.69	7.29		0.10	0.25	0.27	0.46	0.55	
6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.16	6.12	6.06	5.95	5.73	5.42		0.10	0.20	0.20	0.34	0.40	
0.5	C2-7	S27.2	C	Public Park	69	50	86	0.26	0.25	0.23	0.20	0.15	0.11		0.85	0.25	0.13	0.21	0.26	
2.6	C2-7	S27.2	D	Public Park	75	57	91	1.58	1.52	1.43	1.28	1.01	0.72		0.85	0.20	0.66	1.11	1.33	
0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.46	0.46	0.46	0.45	0.44	0.42		0.20	0.40	0.04	0.06	0.07	
2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.97	1.95	1.92	1.87	1.79	1.69		0.20	0.30	0.14	0.24	0.29	
10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	9.10	9.01	8.88	8.64	8.20	7.66		0.20	0.25	0.64	1.06	1.27	
0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07	
1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.95	0.90	0.83	0.72	0.52	0.33		0.90	0.25	0.51	0.86	1.03	
0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.41	0.39	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38	
14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	9.37	9.09	8.72	8.08	6.96	5.83		0.60	0.25	2.57	4.29	5.15	
15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	10.89	10.62	10.23	9.56	8.32	6.95		0.60	0.20	2.75	4.59	5.51	
0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.20	0.19	0.19	0.19	0.18	0.18		0.50	0.40	0.06	0.10	0.12	
1.5	C2-7	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.92	0.90	0.86	0.81	0.73	0.66		0.50	0.30	0.23	0.38	0.45	
5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.60	3.52	3.40	3.20	2.85	2.48		0.50	0.25	0.77	1.28	1.53	
0.9	C2-7	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.68	0.66	0.64	0.61	0.55	0.47		0.50	0.20	0.14	0.23	0.27	
3.5	C2-7	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	2.39	2.34	2.28	2.17	2.01	1.86		0.40	0.30	0.42	0.70	0.84	
8.4	C2-7	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.36	6.24	6.08	5.80	5.29	4.75		0.40	0.25	1.01	1.68	2.02	
2.8	C2-7	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	2.23	2.19	2.14	2.04	1.87	1.67		0.40	0.20	0.34	0.56	0.67	
0.6	C2-7	S27.2	B	School	56	36	76	0.33	0.31	0.30	0.28	0.24	0.21		0.60	0.30	0.11	0.18	0.22	
1.5	C2-7	S27.2	C	School	69	50	86	0.98	0.95	0.91	0.85	0.73	0.61		0.60	0.25	0.27	0.45	0.54	
3.5	C2-7	S27.2	D	School	75	57	91	2.49	2.43	2.34	2.19	1.90	1.59		0.60	0.20	0.63	1.05	1.26	
0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04	
0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01	
0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
5.7	C2-8	S27.2	B	Public Park	56	36	76	2.11	1.97	1.78	1.49	1.06	0.78		0.85	0.30	1.45	2.42	2.91	
4.5	C2-8	S27.2	C	Public Park	69	50	86	2.38	2.26	2.10	1.84	1.38	0.95		0.85	0.25	1.15	1.91	2.30	
9.4	C2-8	S27.2	D	Public Park	75	57	91	5.72	5.50	5.18	4.64	3.65	2.60		0.85	0.20	2.40	4.00	4.79	
0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01		1.00	0.25	0.06	0.10	0.12	
1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.70	0.66	0.62	0.22	0.10	0.02		1.00	0.25	0.36	0.60	0.72	
1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	1.10	1.06	1.00	0.42	0.24	0.08		1.00	0.25	0.51	0.85	1.02	
0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.44	0.43	0.41	0.21	0.14	0.07		1.00	0.20	0.18	0.30	0.36	
1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.77	0.73	0.67	0.21	0.09	0.01		1.00	0.25	0.42	0.70	0.84	
0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24	
8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	5.43	5.23	4.95	2.07	1.18	0.42		1.00	0.25	2.52	4.20	5.04	
9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.76	6.58	6.32	3.27	2.19	1.13		1.00	0.20	2.76	4.60	5.52	
2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.56	1.49	1.39	0.49	0.24	0.05		1.00	0.25	0.81	1.35	1.62	
0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.41	0.40	0.38	0.17	0.11	0.04		1.00	0.20	0.18	0.30	0.36	
1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.87	0.83	0.77	0.24	0.11	0.01		1.00	0.25	0.48	0.80	0.96	
1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.65	0.62	0.59	0.25	0.14	0.05		1.00	0.20	0.30	0.50	0.60	
5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.56	3.43	3.24	1.35	0.77	0.27		1.00	0.25	1.65	2.75	3.30	
6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	4.99	4.86	4.67	2.42	1.62	0.84		1.00	0.20	2.04	3.40	4.08	
1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	1.04	1.00	0.93	0.33	0.16	0.03		1.00	0.25	0.54	0.90	1.08	
2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.70	1.65	1.57	0.72	0.44	0.18		1.00	0.20	0.75	1.25	1.50	
0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36	
0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.44	3.27	3.03	0.96	0.42	0.06		1.00	0.25	1.89	3.15	3.78	
0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12	
5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.82	3.67	3.47	1.45	0.83	0.29		1.00	0.25	1.77	2.95	3.54	
12.7	OC1-5	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	9.33	9.08	8.72	4.52	3.03	1.56		1.00	0.20	3.81	6.35	7.62	
6.8	OC1-5	S27.2	C	Open Brush, Fair	77	59	92	3.94	3.76	3.51	1.23	0.59	0.13		1.00	0.25	2.04	3.40	4.08	
3.2	OC1-5	S27.2	D	Open Brush, Fair	83	67	96	2.18	2.11	2.01	0.92	0.56	0.24		1.00	0.20	0.96	1.60	1.92	
1.0	OC1-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.50	0.48	0.44	0.38	0.27	0.17		0.90	0.25	0.27	0.45	0.54	
2.7	OC1-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.59	1.52	1.42	1.26	0.96	0.65		0.90	0.20	0.73	1.22	1.46	
0.5	OC1-5	S27.2	C	Woodland, Grass, Fair	77	59	92	0.29	0.28	0.26	0.09	0.04	0.01		1.00	0.25	0.15	0.25	0.30	
0.1	OC1-5	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
0.5	OC1-6	S27.2	A	Chaparral, Broadleaf, Fair	40	23	60	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100								
									AMC			P ₂₄ (Inches)											
						II	I	III															
	0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36			
	1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.30	1.29	1.28	1.27	1.24	1.19		0.10	0.40	0.05	0.08	0.09			
	0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04			
	1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.46	1.45	1.43	1.41	1.35	1.28		0.10	0.25	0.05	0.08	0.10			
	1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05			
	3.8	OC1-6	S27.2	C	Public Park	69	50	86	2.01	1.91	1.78	1.55	1.17	0.80		0.85	0.25	0.97	1.62	1.94			
	2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.52	1.46	1.38	1.23	0.97	0.69		0.85	0.20	0.64	1.06	1.28			
	0.1	OC1-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.08	0.07	0.07	0.07	0.06	0.06		0.40	0.25	0.01	0.02	0.02			
	1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.27	0.23	0.18	0.00	0.00	0.00		1.00	0.40	0.42	0.70	0.84			
	2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.72	1.64	1.54	0.59	0.31	0.09		1.00	0.25	0.84	1.40	1.68			
	0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24			
	0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	1.97	1.88	1.75	0.61	0.30	0.06		1.00	0.25	1.02	1.70	2.04			
	0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.55	0.53	0.50	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.48			
	2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.28	0.26	0.24	0.23	0.22	0.21		0.90	0.40	0.65	1.08	1.30			
	0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.23	0.22	0.19	0.15	0.10	0.07		0.90	0.30	0.19	0.32	0.38			
	3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.76	1.66	1.54	1.32	0.95	0.60		0.90	0.25	0.95	1.58	1.89			
	1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.65	0.62	0.58	0.51	0.39	0.27		0.90	0.20	0.30	0.50	0.59			
	0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	1.10	1.05	0.98	0.34	0.17	0.04		1.00	0.25	0.57	0.95	1.14			
	0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.75	0.72	0.67	0.24	0.11	0.02		1.00	0.25	0.39	0.65	0.78			
	0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.07	0.07	0.04	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.98	0.94	0.88	0.31	0.15	0.03		1.00	0.25	0.51	0.85	1.02			
	0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	2.14	2.05	1.91	0.67	0.32	0.07		1.00	0.25	1.11	1.85	2.22			
	1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.33	0.21		0.90	0.25	0.32	0.54	0.65			
	1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.79	0.76	0.73	0.68	0.58	0.49		0.60	0.25	0.22	0.36	0.43			
	0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.3		S27.3	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15			
	0.4		S27.3	A	Public Park	32	17	52	0.07	0.06	0.06	0.06	0.06	0.05		0.85	0.40	0.10	0.17	0.20			
	0.6		S27.3	B	Public Park	56	36	76	0.22	0.21	0.19	0.16	0.11	0.08		0.85	0.30	0.15	0.26	0.31			
	1.1		S27.3	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07			
	1.2		S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.23	0.20	0.16	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	4.9		S27.3	A	Open Brush, Fair	46	28	66	0.71	0.59	0.45	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94			
	5.4		S27.3	A	Woodland, Grass, Fair	44	26	64	0.66	0.54	0.40	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24			
	6.9		S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	2.50	2.29	2.02	0.21	0.00	0.00		1.00	0.30	2.07	3.45	4.14			
	9.2		S27.3	D	Woodland, Grass, Fair	82	66	95	6.11	5.90	5.59	2.45	1.44	0.56		1.00	0.20	2.76	4.60	5.52			
	9.3		S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	4.20	3.93	3.55	0.74	0.18	0.00		1.00	0.30	2.79	4.65	5.58			
	15.8		S27.3	D	Chaparral, Broadleaf, Fair	81	64	95	10.22	9.84	9.30	3.89	2.21	0.78		1.00	0.20	4.74	7.90	9.48			
	20.3		S27.3	D	Grass, Annual or Perennial, Fair	84	69	96	14.19	13.75	13.13	6.25	3.94	1.79		1.00	0.20	6.09	10.15	12.18			
	25.5		S27.3	B	Open Brush, Fair	66	46	84	10.36	9.60	8.57	1.30	0.15	0.00		1.00	0.30	7.65	12.75	15.30			
	27.2		S27.3	B	Woodland, Grass, Fair	65	45	83	10.64	9.83	8.74	1.16	0.09	0.00		1.00	0.30	8.16	13.60	16.32			
	29.1		S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	17.83	17.09	16.06	6.14	3.23	0.92		1.00	0.25	8.73	14.55	17.46			
	53.6		S27.3	D	Open Brush, Fair	83	67	96	36.53	35.32	33.61	15.37	9.38	3.97		1.00	0.20	16.08	26.80	32.16			
	66.8		S27.3	C	Woodland, Grass, Fair	77	59	92	38.70	36.93	34.45	12.08	5.82	1.23		1.00	0.25	20.04	33.40	40.08			
	90.8		S27.3	C	Open Brush, Fair	77	59	92	52.61	50.19	46.83	16.42	7.91	1.67		1.00	0.25	27.24	45.40	54.48			
	102.9		S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	56.23	53.40	49.46	15.69	6.79	0.91		1.00	0.25	30.87	51.45	61.74			
	0.7	S27.3-1	S27.3	A	Residential 5-7 dwellings/acre	32	17	52	0.34	0.34	0.33	0.33	0.32	0.31		0.50	0.40	0.11	0.18	0.21			
	0.9	S27.3-1	S27.3	B	Public Park	56	36	76	0.33	0.31	0.28	0.24	0.17	0.12		0.85	0.30	0.23	0.38	0.46			
	3.4	S27.3-1	S27.3	A	Commercial, Industrial	32	17	52	2.95	2.93	2.91	2.88	2.81	2.69		0.10	0.40	0.10	0.17	0.20			
	3.6	S27.3-1	S27.3	A	Woodland, Grass, Fair	44	26	64	0.44	0.36	0.26	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16			
	10.1	S27.3-1	S27.3	A	Public Park	32	17	52	1.64	1.55	1.47	1.43	1.39	1.33		0.85	0.40	2.58	4.29	5.15			
	17.4	S27.3-1	S27.3	A	Open Brush, Fair	46	28	66	2.51	2.09	1.59	0.00	0.00	0.00		1.00	0.40	5.22	8.70	10.44			
	0.2	S27.3-3	S27.3	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12			
	0.2	S27.3-3	S27.3	A	Barren	78	61	93	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.40	0.06	0.10	0.12			
	0.2	S27.3-3	S27.3	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.04	0.01		1.00	0.20	0.06	0.10	0.12			
	0.3	S27.3-3	S27.3	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.10	0.01	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	0.3	S27.3-3	S27.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.5	S27.3-3	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.10	0.09	0.07	0.00	0.00	0.00		1.00	0.40						

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															

PA5 Line XX	39.55	P503XX	S29-2-2	C	Open Brush, Fair	77	59	92	22.91	21.86	20.40	7.15	3.44	0.73		1.00	0.25	11.87	19.78	23.73	
PA5 Line XX	19.10	P503XX	S29-2-2	D	Open Brush, Fair	83	67	96	13.02	12.59	11.98	5.48	3.34	1.41		1.00	0.20	5.73	9.55	11.46	
PA5 Line XX	18.40	P503XX	S29-2-2	D	Public Park	75	57	91	11.20	10.76	10.14	9.07	7.14	5.10		0.85	0.20	4.69	7.82	9.38	
PA5 Line XX	5.30	P503XX	S29-2-2	B	Woodland, Grass, Fair	65	45	83	2.07	1.92	1.70	0.23	0.02	0.00		1.00	0.30	1.59	2.65	3.18	
PA5 Line XX	34.70	P503XX	S29-2-2	C	Woodland, Grass, Fair	77	59	92	20.10	19.18	17.89	6.27	3.02	0.64		1.00	0.25	10.41	17.35	20.82	
PA5 Line XX	1.30	P503XX	S29-2-2	D	Woodland, Grass, Fair	82	66	95	0.86	0.83	0.79	0.35	0.20	0.08		1.00	0.20	0.39	0.65	0.78	
PA5 Line XX	6.20		S29-1	C	Chaparral, Broadleaf, Fair	75	57	91	3.39	3.22	2.98	0.95	0.41	0.05		1.00	0.25	1.86	3.10	3.72	
PA5 Line XX	0.40		S29-1	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24	
PA5 Line XX	0.30		S29-1	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		1.00	0.40	0.01	0.02	0.02	
PA5 Line XX	5.30		S29-1	B	Commercial, Industrial	56	36	76	4.72	4.69	4.64	4.56	4.40	4.20		0.10	0.30	0.16	0.27	0.32	
PA5 Line XX	23.30		S29-1	C	Commercial, Industrial	69	50	86	21.19	21.04	20.84	20.46	19.69	18.67		0.10	0.25	0.70	1.17	1.40	
PA5 Line XX	2.60		S29-1	D	Commercial, Industrial	75	57	91	2.39	2.37	2.35	2.31	2.22	2.10		1.00	0.20	0.08	0.13	0.16	
PA5 Line XX	8.20		S29-1	B	Grass, Annual or Perennial, Fair	69	50	86	3.70	3.46	3.13	0.66	0.16	0.00		1.00	0.30	2.46	4.10	4.92	
PA5 Line XX	37.40		S29-1	C	Grass, Annual or Perennial, Fair	79	62	93	22.92	21.97	20.64	7.90	4.15	1.18		1.00	0.25	11.22	18.70	22.44	
PA5 Line XX	21.60		S29-1	D	Grass, Annual or Perennial, Fair	84	69	96	15.10	14.63	13.97	6.65	4.19	1.90		1.00	0.20	6.48	10.80	12.96	
PA5 Line XX	0.20		S29-1	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
PA5 Line XX	32.30		S29-1	C	Open Brush, Fair	77	59	92	18.71	17.86	16.66	5.84	2.81	0.60		1.00	0.25	9.69	16.15	19.38	
PA5 Line XX	1.60		S29-1	D	Open Brush, Fair	83	67	96	1.09	1.05	1.00	0.46	0.28	0.12		1.00	0.20	0.48	0.80	0.96	
PA5 Line XX	21.60		S29-1	A	Public Park	32	17	52	3.51	3.33	3.15	3.05	2.97	2.85		0.85	0.40	5.51	9.18	11.02	
PA5 Line XX	32.10		S29-1	B	Public Park	56	36	76	11.87	11.07	10.03	8.39	6.00	4.40		0.85	0.30	8.19	13.64	16.37	
PA5 Line XX	136.90		S29-1	C	Public Park	69	50	86	72.26	68.76	63.98	55.88	42.08	28.82		0.85	0.25	34.91	58.18	69.82	
PA5 Line XX	9.40		S29-1	D	Public Park	75	57	91	5.72	5.50	5.18	4.64	3.65	2.60		0.80	0.20	2.40	4.00	4.79	
PA5 Line XX	268.30		S29-1	C	Residential 1 acre lots	69	50	86	148.45	141.93	133.03	117.91	92.08	67.04		0.85	0.25	64.39	107.32	128.78	
PA5 Line XX	67.40		S29-1	D	Residential 1 acre lots	75	57	91	42.41	40.88	38.74	35.01	28.27	21.07		0.80	0.20	16.18	26.96	32.35	
12903	1.30		S29-1	B	Residential 2 dwellings/acre	56	36	76	0.62	0.59	0.55	0.50	0.41	0.35		0.70	0.30	0.27	0.46	0.55	
12903	77.00		S29-1	C	Residential 2 dwellings/acre	69	50	86	46.52	44.85	42.56	38.67	31.95	25.31		0.70	0.25	16.17	26.95	32.34	
12903	28.80		S29-1	D	Residential 2 dwellings/acre	75	57	91	19.31	18.73	17.91	16.48	13.87	11.04		0.70	0.20	6.05	10.08	12.10	
12903	20.00		S29-1	B	Residential 3-4 dwellings/acre	56	36	76	10.87	10.50	10.01	9.22	8.03	7.11		0.60	0.30	3.60	6.00	7.20	
12903	159.90		S29-1	C	Residential 3-4 dwellings/acre	69	50	86	104.74	101.68	97.49	90.32	77.62	65.15		0.60	0.25	28.78	47.97	57.56	
12903	13.90		S29-1	D	Residential 3-4 dwellings/acre	75	57	91	9.90	9.65	9.30	8.69	7.56	6.32		0.60	0.20	2.50	4.17	5.00	
12903	8.30		S29-1	B	Residential 5-7 dwellings/acre	56	36	76	5.09	4.95	4.78	4.49	4.05	3.68		0.50	0.30	1.25	2.08	2.49	
12903	37.00		S29-1	C	Residential 5-7 dwellings/acre	69	50	86	26.12	25.51	24.67	23.22	20.66	17.99		0.50	0.25	5.55	9.25	11.10	
12903	4.20		S29-1	D	Residential 5-7 dwellings/acre	75	57	91	3.16	3.10	3.01	2.85	2.55	2.21		0.50	0.20	0.63	1.05	1.26	
12903	1.30		S29-1	A	Residential 8-10 dwellings/acre	32	17	52	0.76	0.75	0.74	0.73	0.72	0.69		0.40	0.40	0.16	0.26	0.31	
12903	11.30		S29-1	B	Residential 8-10 dwellings/acre	56	36	76	7.71	7.56	7.35	7.02	6.48	5.99		0.40	0.30	1.36	2.26	2.71	
12903	54.80		S29-1	C	Residential 8-10 dwellings/acre	69	50	86	41.47	40.71	39.65	37.82	34.53	30.96		0.40	0.25	6.58	10.96	13.15	
12903	15.40		S29-1	D	Residential 8-10 dwellings/acre	75	57	91	12.24	12.04	11.75	11.24	10.29	9.18		0.40	0.20	1.85	3.08	3.70	
12903	0.50		S29-1	B	Woodland, Grass, Fair	65	45	83	0.20	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30	
12903	8.40		S29-1	C	Woodland, Grass, Fair	77	59	92	4.87	4.64	4.33	1.52	0.73	0.15		1.00	0.25	2.52	4.20	5.04	
12903	3.50		S29-1	D	Woodland, Grass, Fair	82	66	95	2.32	2.24	2.13	0.93	0.55	0.21		1.00	0.20	1.05	1.75	2.10	
12903	0.22	P504XX	S29-2	B	Barren	86	72	97	0.16	0.16	0.15	0.08	0.05	0.03		1.00	0.30	0.07	0.11	0.13	
12903	4.49	P504XX	S29-2	C	Barren	91	80	98	3.71	3.65	3.55	2.26	1.74	1.15		1.00	0.25	1.35	2.25	2.69	
12903	0.02	P504XX	S29-2	B	Chaparral, Broadleaf, Fair	63	43	81	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01	
	1.01	P504XX	S29-2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.15	0.07	0.01		1.00	0.25	0.30	0.51	0.61	
	0.45	P504XX	S29-2	B	Commercial, Industrial	56	36	76	0.40	0.39	0.39	0.38	0.37	0.35		0.10	0.30	0.01	0.02	0.03	
	1.36	P504XX	S29-2	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.15	1.09		0.10	0.25	0.04	0.07	0.08	
	2.89	P504XX	S29-2	B	Grass, Annual or Perennial, Fair	69	50	86	1.30	1.22	1.10	0.23	0.06	0.00		1.00	0.30	0.87	1.44	1.73	
	20.30	P504XX	S29-2	C	Grass, Annual or Perennial, Fair	79	62	93	12.44	11.92	11.20	4.29	2.25	0.64		1.00	0.25	6.09	10.15	12.18	
	1.51	P504XX	S29-2	D	Grass, Annual or Perennial, Fair	84	69	96	1.06	1.02	0.98	0.47	0.29	0.13		1.00	0.20	0.45	0.76	0.91	
	1.47	P504XX	S29-2	D	Meadows or Cienegas, Fair	84	69	96	1.03	1.00	0.95	0.45	0.29	0.13		1.00	0.20	0.44	0.74	0.88	
	2.33	P504XX	S29-2	B	Open Brush, Fair	66	46	84	0.95	0.88	0.78	0.12	0.01	0.00		1.00	0.30	0.70	1.16	1.40	
	11.34	P504XX	S29-2	C	Open Brush, Fair	77	59	92	6.57	6.27	5.85	2.05	0.99	0.21		1.00	0.25	3.40	5.67	6.80	
	10.50	P504XX	S29-2	D	Open Brush, Fair	83	67	96	7.16	6.92	6.58	3.01	1.84	0.78		1.00	0.20	3.15	5.25	6.30	
	1.18	P504XX	S29-2	D	Public Park	75	57	91	0.72	0.69	0.65	0.58	0.46	0.33		0.85	0.20	0.30	0.50	0.60	
	0.42	P504XX	S29-2	B	Row Crops, Good	78	61	93	0.25	0.24	0.22	0.08	0.04	0.01		1.00	0.30	0.12	0.21	0.25	
	0.03	P504XX	S29-2	C	Row Crops, Good	85	70	97	0.02	0.02	0.02	0.01	0.01	0.00		1.00	0.25	0.01	0.02	0.02	
	2.22	P504XX	S29-2	B	Woodland, Grass, Fair	65	45	83	0.87	0.80	0.71	0.09	0.01	0.00		1.00	0.30	0.67	1.11	1.33	
	8.73	P504XX	S29-2	C	Woodland, Grass, Fair	77	59	92	5.06	4.83	4.50	1.58	0.76	0.16		1.00	0.25	2.62	4.37	5.24	
	0.22	P504XX	S29-2	D	Woodland, Grass, Fair	82	66	95	0.15	0.14	0.14	0.06	0.03	0.01		1.00	0.20	0.07	0.11	0.13	
	0.20	S29-2-1	S29-2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01	
	0.40	S29-2-1	S29-2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27	0.25	0.22	0.19		0.50	0.25	0.06	0.10	0.12	
	0.50	S29-2-1	S29-2	B	Residential 2.5 acre lots	56	36	76	0.17	0.15	0.14	0.11	0.07	0.05		0.90	0.30	0.14	0.23	0.27	
	0.60	S29-2-1	S29-2	B	Woodland, Grass, Fair	65	45	83	0.23	0.22	0.19	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36	
	0.70	S29-2-1	S29-2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04	
	0.70	S29-2-1	S29-2	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38	
	0.70	S29-2-1	S29-2	B	Public Park	56	36	76	0.26	0.24	0.22	0.18	0.13	0.10		0.85					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII							5.63							

	2.90	S29.2-1	S29.2	C	Open Brush, Fair	77	59	92	1.68	1.60	1.50	0.52	0.25	0.05		1.00	0.25	0.87	1.45	1.74	
	3.60	S29.2-1	S29.2	A	Woodland, Grass, Fair	44	26	64	0.44	0.36	0.26	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16	
	3.70	S29.2-1	S29.2	B	Residential 5-7 dwellings/acre	56	36	76	2.27	2.21	2.13	2.00	1.80	1.64		0.50	0.30	0.56	0.93	1.11	
	4.10	S29.2-1	S29.2	A	Residential 5-7 dwellings/acre	32	17	52	2.01	1.99	1.96	1.93	1.88	1.80		0.50	0.40	0.62	1.03	1.23	
	5.40	S29.2-1	S29.2	A	Residential 2.5 acre lots	32	17	52	0.63	0.58	0.53	0.51	0.50	0.48		0.90	0.40	1.46	2.43	2.92	
	6.70	S29.2-1	S29.2	A	Open Brush, Fair	46	28	66	0.96	0.81	0.61	0.00	0.00	0.00		1.00	0.40	2.01	3.35	4.02	
	12.00	S29.2-1	S29.2	A	Barren	78	61	93	7.15	6.84	6.40	2.35	1.18	0.29		1.00	0.40	3.60	6.00	7.20	
	12.90	S29.2-1	S29.2	A	Grass, Annual or Perennial, Fair	50	31	70	2.45	2.11	1.69	0.00	0.00	0.00		1.00	0.40	3.87	6.45	7.74	
	38.60	S29.2-1	S29.2	A	Public Park	32	17	52	6.28	5.94	5.62	5.45	5.31	5.10		0.85	0.40	9.84	16.41	19.69	
	0.10	S29.2.4	S29.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05	
	0.20	S29.2.4	S29.2	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12	
	0.80	S29.2.4	S29.2	A	Woodland, Grass, Fair	44	26	64	0.10	0.08	0.06	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48	
	1.20	S29.2.4	S29.2	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07	
	1.50	S29.2.4	S29.2	A	Commercial, Industrial	32	17	52	1.30	1.29	1.28	1.27	1.24	1.19		0.10	0.40	0.05	0.08	0.09	
	3.00	S29.2.4	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	2.10	2.03	1.94	0.92	0.58	0.26		1.00	0.20	0.90	1.50	1.80	
	3.60	S29.2.4	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	2.21	2.11	1.99	0.76	0.40	0.11		1.00	0.25	1.08	1.80	2.16	
	15.10	S29.2.4	S29.2	A	Public Park	32	17	52	2.46	2.32	2.20	2.13	2.08	1.99		0.85	0.40	3.85	6.42	7.70	
	20.00	S29.2.4	S29.2	A	Grass, Annual or Perennial, Fair	50	31	70	3.80	3.28	2.62	0.00	0.00	0.00		1.00	0.40	6.00	10.00	12.00	
	14.30	G	S29.2	A	Commercial, Industrial	32	17	52	12.39	12.33	12.25	12.11	11.80	11.33		0.10	0.40	0.43	0.72	0.86	
	9.40	G	S29.2	A	Public Park	32	17	52	1.53	1.45	1.37	1.33	1.29	1.24		0.85	0.40	2.40	4.00	4.79	
	1.4	B-10	S29.3	B	Commercial, Industrial	56	36	76	1.25	1.24	1.23	1.21	1.16	1.11		0.10	0.30	0.04	0.07	0.08	
	1.1	B-10	S29.3	C	Commercial, Industrial	69	50	86	1.00	0.99	0.98	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07	
	1.9	B-10	S29.3	B	Residential 2.5 acre lots	56	36	76	0.64	0.59	0.52	0.42	0.27	0.18		0.90	0.30	0.51	0.86	1.03	
	1.6	B-10	S29.3	C	Residential 2.5 acre lots	69	50	86	0.80	0.76	0.70	0.60	0.43	0.27		0.90	0.25	0.43	0.72	0.86	
	0.2	B-10	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.14	0.13	0.13	0.12	0.11	0.11		0.40	0.30	0.02	0.04	0.05	
	0.3	B-11	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.26	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.6	B-11	S29.3	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04	
	0.7	B-11	S29.3	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04	
	0.4	B-11	S29.3	B	Residential 2.5 acre lots	56	36	76	0.13	0.12	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22	
	0.8	B-11	S29.3	C	Residential 2.5 acre lots	69	50	86	0.40	0.38	0.35	0.30	0.22	0.14		0.90	0.25	0.22	0.36	0.43	
	0.4	B-11	S29.3	D	Residential 2.5 acre lots	75	57	91	0.24	0.23	0.21	0.19	0.14	0.10		0.90	0.20	0.11	0.18	0.22	
	1.0	B-12	S29.3	B	Commercial, Industrial	56	36	76	0.89	0.88	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06	
	0.4	B-12	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02	
	2.2	B-12	S29.3	D	Commercial, Industrial	75	57	91	2.02	2.01	1.99	1.95	1.88	1.78		0.10	0.20	0.07	0.11	0.13	
	0.4	B-12	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.33	0.33	0.32	0.31	0.30	0.28		0.20	0.30	0.02	0.04	0.05	
	0.7	B-12	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.61	0.61	0.60	0.58	0.55	0.52		0.20	0.20	0.04	0.07	0.08	
	1.1	B-12	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.87	0.86	0.84	0.80	0.73	0.66		0.40	0.20	0.13	0.22	0.26	
	0.5	B-14	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.41	0.41	0.40	0.39	0.37	0.35		0.20	0.30	0.03	0.05	0.06	
	1.2	B-14	S29.3	C	Residential 10+ dwellings/acre	69	50	86	1.03	1.02	1.00	0.98	0.93	0.87		0.20	0.25	0.07	0.12	0.14	
	1.1	B-15	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.90	0.89	0.88	0.86	0.82	0.78		0.20	0.30	0.07	0.11	0.13	
	1.4	B-15	S29.3	C	Residential 10+ dwellings/acre	69	50	86	1.20	1.19	1.17	1.14	1.08	1.01		0.20	0.25	0.08	0.14	0.17	
	1.8	B-15	S29.3	D	Residential 10+ dwellings/acre	75	57	91	1.58	1.56	1.54	1.50	1.43	1.33		0.20	0.20	0.11	0.18	0.22	
	1.9	B-16	S29.3	B	Residential 10+ dwellings/acre	56	36	76	1.56	1.54	1.52	1.48	1.42	1.34		0.20	0.30	0.11	0.19	0.23	
	5.7	B-16	S29.3	C	Residential 10+ dwellings/acre	69	50	86	4.89	4.84	4.77	4.65	4.41	4.12		0.20	0.25	0.34	0.57	0.68	
	0.6	B-17	S29.3	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04	
	0.3	B-17	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02	
	0.2	B-17	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.17	0.17	0.17	0.16	0.15	0.14		0.20	0.25	0.01	0.02	0.02	
	2.9	B-17	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	1.98	1.94	1.89	1.80	1.66	1.54		0.40	0.30	0.35	0.58	0.70	
	11.4	B-17	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	8.63	8.47	8.25	7.87	7.18	6.44		0.40	0.25	1.37	2.28	2.74	
	0.9	B-17	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.70	0.69	0.66	0.60	0.54		0.40	0.20	0.11	0.18	0.22	
	2.4	B-18	S29.3	B	Residential 10+ dwellings/acre	56	36	76	1.97	1.95	1.92	1.87	1.79	1.69		0.20	0.30	0.14	0.24	0.29	
	7.1	B-18	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	4.35	4.24	4.09	3.84	3.46	3.14		0.50	0.30	1.07	1.78	2.13	
	3.6	B-18	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	2.54	2.48	2.40	2.26	2.01	1.75		0.50	0.25	0.54	0.90	1.08	
	0.3	B-18	S29.3	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	10.5	B-18	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	7.16	7.02	6.83	6.52	6.02	5.57		0.40	0.30	1.26	2.10	2.52	
	9.4	B-18	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	7.11	6.98	6.80	6.49	5.92	5.31		0.40	0.25	1.13	1.88	2.26	
	0.3	B-18	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.23	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07	
	7.7	B-21	S29.3	B	Residential 10+ dwellings/acre	56	36	76	6.32	6.26	6.17	6.01	5.74	5.43		0.20	0.30	0.46	0.77	0.92	
	0.4	B-21	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.34	0.34	0.33	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05	
	1.7	B-21	S29.3	D	Residential 10+ dwellings/acre	75	57	91	1.49	1.48	1.46	1.42	1.35	1.25		0.20	0.20	0.10	0.17	0.20	
	0.4	B-21	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.25	0.24	0.23	0.22	0.19	0.18		0.50	0.30	0.06	0.10	0.12	
	0.2	B-23	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01	
	2.4	B-23	S29.3	D	Commercial, Industrial	75	57	91	2.21	2.19	2.17	2.13	2.05	1.94		0.10	0.20	0.07	0.12	0.14	
	1.2	B-23	S29.3	B	Public Park	56	36	76	0.44	0.41	0.37	0.31	0.22	0.16		0.85	0.30	0.31	0.51	0.61	
	1.7	B-23	S29.3	C	Public Park	69	50	86	0.90	0.85	0.79	0.69	0.52	0.36		0.85	0.25	0.43	0.72	0.87	
	8.5	B-23	S29.3	D	Public Park	75	57	91	5.17	4.97	4.69	4.19	3.30	2.36		0.85	0.20	2.17	3.61	4.34	
	0.7	B-23	S29.3	A	Residential 10+ dwellings/acre	32	17	52	0.54	0.54	0.54	0.53	0.51	0.49		0.20	0.40	0.04	0.07	0.08	
	2.9	B-23	S29.																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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				
								EV														
								100	50	25	10	5	2	100								
						AMC		P ₂₄ (Inches)						5.63								
						II	I	III	AMC 1/AMCII													
	0.1	B-23	S29.3	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05		
	0.2	B-23	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06		
	0.1	B-23	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03		
	0.5	B-23	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.34	0.33	0.33	0.31	0.29	0.27		0.40	0.30	0.06	0.10	0.12		
	1.4	B-23	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	1.06	1.04	1.01	0.97	0.88	0.79		0.40	0.25	0.17	0.28	0.34		
	7.4	B-23	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	5.88	5.78	5.65	5.40	4.94	4.41		0.40	0.20	0.89	1.48	1.78		
	3.2	B-27	S29.3	B	Commercial, Industrial	56	36	76	2.85	2.83	2.80	2.75	2.66	2.54		0.10	0.30	0.10	0.16	0.19		
	0.7	B-27	S29.3	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04		
	0.9	B-27	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.74	0.73	0.72	0.70	0.67	0.63		0.20	0.30	0.05	0.09	0.11		
	0.3	B-27	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04		
	2.0	B-28	S29.3	A	Commercial, Industrial	32	17	52	1.73	1.72	1.71	1.69	1.65	1.58		0.10	0.40	0.06	0.10	0.12		
	4.6	B-28	S29.3	B	Commercial, Industrial	56	36	76	4.10	4.07	4.03	3.96	3.82	3.65		0.10	0.30	0.14	0.23	0.28		
	5.6	B-28	S29.3	C	Commercial, Industrial	69	50	86	5.09	5.06	5.01	4.92	4.73	4.49		0.10	0.25	0.17	0.28	0.34		
	1.6	B-28	S29.3	C	Open Brush, Fair	77	59	92	0.93	0.88	0.83	0.29	0.14	0.03		1.00	0.25	0.48	0.80	0.96		
	0.7	B-28	S29.3	B	Orchards, Evergreen, Fair	65	45	83	0.27	0.25	0.22	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42		
	0.2	B-28	S29.3	D	Orchards, Evergreen, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12		
	7.3	B-28	S29.3	B	Public Park	56	36	76	2.70	2.52	2.28	1.91	1.36	1.00		0.85	0.30	1.86	3.10	3.72		
	0.8	B-28	S29.3	C	Public Park	69	50	86	0.42	0.40	0.37	0.33	0.25	0.17		0.85	0.25	0.20	0.34	0.41		
	0.2	B-28	S29.3	D	Public Park	75	57	91	0.12	0.12	0.11	0.10	0.08	0.06		0.85	0.20	0.05	0.09	0.10		
	0.1	B-28	S29.3	A	Residential 2.5 acre lots	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.90	0.40	0.03	0.05	0.05		
	4.0	B-28	S29.3	B	Residential 2.5 acre lots	56	36	76	1.34	1.24	1.10	0.89	0.58	0.37		0.90	0.30	1.08	1.80	2.16		
	4.2	B-28	S29.3	C	Residential 2.5 acre lots	69	50	86	2.11	2.00	1.84	1.58	1.14	0.72		0.90	0.25	1.13	1.89	2.27		
	2.3	B-28	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	1.41	1.37	1.32	1.24	1.12	1.02		0.50	0.30	0.35	0.58	0.69		
	0.5	B-28	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.35	0.34	0.33	0.31	0.28	0.24		0.50	0.25	0.08	0.13	0.15		
	0.1	B-28	S29.3	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06		
	0.4	B-28	S29.3	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24		
	0.3	B-5	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02		
	0.3	B-5	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02		
	0.2	B-5	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.16	0.16	0.16	0.16	0.15	0.14		0.20	0.30	0.01	0.02	0.02		
	0.6	B-5	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.52	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07		
	0.1	B-5	S29.3	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
	0.4	B-6	S29.3	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02		
	0.5	B-6	S29.3	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03		
	0.8	B-6	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10		
	0.4	B-6	S29.3	B	Residential 2.5 acre lots	56	36	76	0.13	0.12	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22		
	1.2	B-6	S29.3	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.33	0.21		0.90	0.25	0.32	0.54	0.65		
	0.3	B-7	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02		
	0.4	B-7	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02		
	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		0.20	0.30	0.01	0.01	0.01		
	0.3	B-7	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.26	0.25	0.25	0.24	0.23	0.22		0.20	0.25	0.02	0.03	0.04		
	0.2	B-7	S29.3	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.05	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11		
	1.5	B-7	S29.3	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.57	0.41	0.26		0.90	0.25	0.41	0.68	0.81		
	0.7	B-8	S29.3	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04		
	2.5	B-8	S29.3	C	Commercial, Industrial	69	50	86	2.27	2.26	2.24	2.20	2.11	2.00		0.10	0.25	0.08	0.13	0.15		
	0.3	B-8	S29.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02		
	0.3	B-8	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.23	0.22	0.21		0.20	0.30	0.02	0.03	0.04		
	0.1	B-8	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01		
	0.2	B-8	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02		
	2.6	B-8	S29.3	B	Residential 2.5 acre lots	56	36	76	0.87	0.80	0.71	0.58	0.37	0.24		0.90	0.30	0.70	1.17	1.40		
	9.3	B-8	S29.3	C	Residential 2.5 acre lots	69	50	86	4.67	4.42	4.08	3.50	2.52	1.59		0.90	0.25	2.51	4.19	5.02		
	1.5	B-8	S29.3	D	Residential 2.5 acre lots	75	57	91	0.88	0.84	0.79	0.70	0.54	0.36		0.90	0.20	0.41	0.68	0.81		
	2.4	B-9	S29.3	B	Commercial, Industrial	56	36	76	2.14	2.12	2.10	2.07	1.99	1.90		0.10	0.30	0.07	0.12	0.14		
	0.2	B-9	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01		
	0.3	B-9	S29.3	D	Commercial, Industrial	75	57	91	0.23	0.23	0.23	0.22	0.21	0.20		0.10	0.20	0.01	0.01	0.02		
	2.1	B-9	S29.3	B	Residential 2.5 acre lots	56	36	76	0.69	0.63	0.56	0.45	0.29	0.19		0.90	0.30	0.55	0.92	1.11		
	0.3	B-9	S29.3	C	Residential 2.5 acre lots	69	50	86	0.15	0.14	0.13	0.11	0.08	0.05		0.90	0.25	0.08	0.14	0.16		
	0.5	B-9	S29.3	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27		
	2.17		S30	A	Apartments	32	17	52	1.68	1.67	1.65	1.63	1.59	1.53		0.20	0.40	0.13	0.22	0.26		
	19.41		S30	B	Apartments	56	36	76	15.94	15.77	15.55	15.16	14.46	13.69		0.20	0.30	1.16	1.94	2.33		
	1.31		S30	C	Apartments	69	50	86	1.12	1.11	1.10	1.07	1.01	0.95		0.20	0.25	0.08	0.13	0.16		
	0.63		S30	D	Apartments	75	57	91	0.55	0.55	0.54	0.53	0.50	0.47		0.20	0.20	0.04	0.06	0.08		
	0.68		S30	C	Chaparral, Broadleaf, Fair	75	57	91	0.37	0.35	0.33	0.10	0.04	0.01		1.00	0.25	0.20	0.34	0.41		
	0.01		S30	A	Condominiums	32	17	52														

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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)							
								EV										HC							
								100	50	25	10	5	2	100											
								AMC										P ₂₄ (Inches)							
								II	I	III															
	37.38		S30	B	Open Brush, Fair	66	46	84	15.18	14.07	12.56	1.91	0.23	0.00		1.00	0.30	11.21	18.69	22.43					
	452.58		S30	C	Open Brush, Fair	77	59	92	262.20	250.19	233.40	81.84	39.41	8.34		1.00	0.25	135.77	226.29	271.55					
	8.00		S30	D	Open Brush, Fair	83	67	96	5.45	5.27	5.02	2.29	1.40	0.59		1.00	0.20	2.40	4.00	4.80					
	20.05		S30	B	Orchards, Evergreen, Fair	65	45	83	7.85	7.25	6.44	0.85	0.06	0.00		1.00	0.30	6.02	10.03	12.03					
	35.24		S30	C	Orchards, Evergreen, Fair	77	59	92	20.42	19.48	18.17	6.37	3.07	0.65		1.00	0.25	10.57	17.62	21.14					
	3.87		S30	A	Public Park	32	17	52	0.63	0.60	0.56	0.55	0.53	0.51		0.85	0.40	0.99	1.64	1.97					
	16.21		S30	B	Public Park	56	36	76	5.99	5.59	5.06	4.23	3.03	2.22		0.85	0.30	4.13	6.89	8.27					
	14.26		S30	C	Public Park	69	50	86	7.53	7.16	6.66	5.82	4.38	3.00		0.85	0.25	3.64	6.06	7.27					
	0.76		S30	D	Public Park	75	57	91	0.46	0.44	0.42	0.37	0.30	0.21		0.85	0.20	0.19	0.32	0.39					
	38.41		S30	B	Residential 1 acre lots	56	36	76	15.54	14.63	13.44	11.57	8.83	6.94		0.80	0.30	9.22	15.36	18.44					
	29.50		S30	C	Residential 1 acre lots	69	50	86	16.32	15.61	14.63	12.96	10.12	7.37		0.80	0.25	7.08	11.80	14.16					
	7.64		S30	A	Residential 2 dwellings/acre	32	17	52	2.32	2.26	2.20	2.16	2.10	2.02		0.70	0.40	1.60	2.67	3.21					
	96.41		S30	B	Residential 2 dwellings/acre	56	36	76	45.69	43.66	40.99	36.75	30.43	25.85		0.70	0.30	20.25	33.74	40.49					
	125.34		S30	C	Residential 2 dwellings/acre	69	50	86	75.72	73.01	69.28	62.94	52.01	41.19		0.70	0.25	26.32	43.87	52.64					
	23.54		S30	D	Residential 2 dwellings/acre	75	57	91	15.79	15.31	14.64	13.47	11.34	9.03		0.70	0.20	4.94	8.24	9.89					
	1.01		S30	A	Residential 3-4 dwellings/acre	32	17	52	0.40	0.39	0.39	0.38	0.37	0.36		0.60	0.40	0.18	0.30	0.36					
	86.85		S30	B	Residential 3-4 dwellings/acre	56	36	76	47.19	45.58	43.45	40.05	34.88	30.88		0.60	0.30	15.63	26.06	31.27					
	144.00		S30	C	Residential 3-4 dwellings/acre	69	50	86	94.32	91.57	87.80	81.34	70.08	58.67		0.60	0.25	25.92	43.20	51.84					
	14.92		S30	D	Residential 3-4 dwellings/acre	75	57	91	10.62	10.36	9.98	9.32	8.11	6.78		0.60	0.20	2.69	4.48	5.37					
	1.95		S30	A	Residential 5-7 dwellings/acre	32	17	52	0.96	0.94	0.93	0.92	0.89	0.86		0.50	0.40	0.29	0.49	0.59					
	99.54		S30	B	Residential 5-7 dwellings/acre	56	36	76	61.01	59.41	57.28	53.86	48.52	44.09		0.50	0.30	14.93	24.89	29.86					
	131.14		S30	C	Residential 5-7 dwellings/acre	69	50	86	92.57	90.41	87.42	82.29	73.23	63.76		0.50	0.25	19.67	32.79	39.34					
	12.10		S30	D	Residential 5-7 dwellings/acre	75	57	91	9.12	8.93	8.66	8.20	7.33	6.36		0.50	0.20	1.82	3.03	3.63					
	19.70		S30	B	Residential 8-10 dwellings/acre	56	36	76	13.44	13.17	12.82	12.23	11.30	10.45		0.40	0.30	2.36	3.94	4.73					
	7.60		S30	C	Residential 8-10 dwellings/acre	69	50	86	5.75	5.65	5.50	5.25	4.79	4.29		0.40	0.25	0.91	1.52	1.82					
	12.71		S30	B	School	56	36	76	6.91	6.67	6.36	5.86	5.10	4.52		0.60	0.30	2.29	3.81	4.58					
	9.16		S30	C	School	69	50	86	6.00	5.83	5.58	5.17	4.46	3.73		0.60	0.25	1.65	2.75	3.30					
	23.69		S30	A	Turf, Good	33	17	53	0.66	0.40	0.15	0.00	0.00	0.00		1.00	0.40	7.11	11.85	14.21					
	117.50		S30	B	Turf, Good	58	38	77	34.34	30.92	26.42	19.28	8.74	1.46		1.00	0.30	35.25	58.75	70.50					
	22.40		S30	C	Turf, Good	72	53	89	11.16	10.52	9.64	8.12	5.48	2.87		1.00	0.25	6.72	11.20	13.44					
	3.50		S30	D	Turf, Good	79	62	93	2.14	2.06	1.93	1.71	1.30	0.84		1.00	0.20	1.05	1.75	2.10					
	0.51		S30	A	Water	98	95	100	0.49	0.49	0.49	0.48	0.47	0.45		0.00	0.40	0.00	0.00	0.00					
	14.50		S30	B	Water	98	95	100	13.92	13.87	13.79	13.64	13.30	12.76		0.00	0.30	0.00	0.00	0.00					
	1.56		S30	C	Water	98	95	100	1.50	1.49	1.48	1.47	1.43	1.37		0.00	0.25	0.00	0.00	0.00					
	2.35		S30	D	Water	98	95	100	2.26	2.25	2.24	2.21	2.15	2.07		0.00	0.20	0.00	0.00	0.00					
	24.20		S30	A	Woodland, Grass, Fair	44	26	64	2.96	2.43	1.77	0.00	0.00	0.00		1.00	0.40	7.26	12.10	14.52					
	31.86		S30	B	Woodland, Grass, Fair	65	45	83	12.47	11.52	10.23	1.36	0.10	0.00		1.00	0.30	9.56	15.93	19.12					
	46.40		S30	C	Woodland, Grass, Fair	77	59	92	26.88	25.65	23.93	8.39	4.04	0.86		1.00	0.25	13.92	23.20	27.84					
	0.01		S30	D	Woodland, Grass, Fair	82	66	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.20	0.00	0.01	0.01					
	5.17		S31	B	Chaparral, Broadleaf, Fair	63	43	81	1.87	1.72	1.51	0.16	0.00	0.00		1.00	0.30	1.55	2.59	3.10					
	18.15		S31	C	Chaparral, Broadleaf, Fair	75	57	91	9.92	9.42	8.72	2.77	1.20	0.16		1.00	0.25	5.45	9.08	10.89					
	12.74		S31	D	Chaparral, Broadleaf, Fair	81	64	95	8.24	7.93	7.50	3.14	1.78	0.63		1.00	0.20	3.82	6.37	7.64					
	2.64		S31	B	Chaparral, Narrowleaf, Fair	72	53	89	1.32	1.24	1.14	0.30	0.10	0.00		1.00	0.30	0.79	1.32	1.58					
	23.13		S31	C	Chaparral, Narrowleaf, Fair	81	64	95	14.96	14.41	13.62	5.70	3.24	1.15		1.00	0.25	6.94	11.57	13.88					
	3.78		S31	D	Chaparral, Narrowleaf, Fair	86	72	97	2.78	2.70	2.60	1.35	0.90	0.46		1.00	0.20	1.13	1.89	2.27					
	0.16		S31	C	Commercial, Industrial	69	50	86	0.15	0.14	0.14	0.14	0.14	0.13		0.10	0.25	0.00	0.01	0.01					
	0.84		S31	D	Commercial, Industrial	75	57	91	0.77	0.77	0.76	0.75	0.72	0.68		0.10	0.20	0.03	0.04	0.05					
	0.55		S31	A	Condominiums	32	17	52	0.35	0.34	0.34	0.34	0.33	0.31		0.35	0.40	0.06	0.10	0.12					
	0.95		S31	B	Condominiums	56	36	76	0.68	0.67	0.65	0.63	0.59	0.55		0.35	0.30	0.10	0.17	0.20					
	13.97		S31	C	Condominiums	69	50	86	10.93	10.75	10.51	10.08	9.30	8.44		0.35	0.25	1.47	2.44	2.93					
	0.00		S31	D	Condominiums	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.20	0.00	0.00	0.00					
	4.75		S31	B	Fallow	86	72	97	3.49	3.40	3.26	1.69	1.13	0.58		1.00	0.30	1.43	2.38	2.85					
	20.45		S31	C	Fallow	91	80	98	16.89	16.60	16.18	10.31	7.91	5.22		1.00	0.25	6.14	10.23	12.27					
	0.81		S31	D	Fallow	94	85	99	0.71	0.71	0.69	0.50	0.41	0.31		1.00	0.20	0.24	0.41	0.49					
	3.48		S31	B	Grass, Annual or Perennial, Fair	69	50	86	1.57	1.47	1.33	0.28	0.07	0.00		1.00	0.30	1.04	1.74	2.09					
	36.54		S31	C	Grass, Annual or Perennial, Fair	79	62	93	22.39	21.46	20.16	7.72	4.05	1.15		1.00	0.25	10.96	18.27	21.92					
	1.39		S31	D	Grass, Annual or Perennial, Fair	84	69	96	0.97	0.94	0.90	0.43	0.27	0.12		1.00	0.20	0.42	0.70	0.83					
	0.07		S31	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.04					
	27.57		S31	B	Open Brush, Fair	66	46	84	11.20	10.38	9.26	1.41	0.17	0.00		1.00	0.30	8.27	13.79	16.54					
	420.56		S31	C	Open Brush, Fair	77	59	92	243.65	232.49	216.88	76.05	36.62	7.75		1.00	0.25	126.17	210.28	252.34					
	21.02		S31	D	Open Brush, Fair	83	67	96	14.32	13.85	13.18	6.03	3.68	1.56		1.00	0.20	6.31	10.51	12.61					
	16.33		S31	A	Public Park	32	17	52	2.66	2.51	2.38	2.30	2.25	2.16		0.85	0.40	4.16	6.94	8.33					
	6.44		S31	B	Public Park	56	36	76	2.38	2.22	2.01	1.68	1.20	0.88		0.85	0								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100	HC										
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III															

	103.79		S31	B	Residential 3-4 dwellings/acre	56	36	76	56.40	54.47	51.93	47.86	41.68	36.90		0.60	0.30	18.68	31.14	37.36	
	103.53		S31	C	Residential 3-4 dwellings/acre	69	50	86	67.81	65.84	63.12	58.48	50.38	42.18		0.60	0.25	18.64	31.03	37.27	
	2.40		S31	D	Residential 3-4 dwellings/acre	75	57	91	1.71	1.67	1.61	1.50	1.31	1.09		0.60	0.20	0.46	0.72	0.86	
	12.16		S31	A	Residential 5-7 dwellings/acre	32	17	52	5.97	5.89	5.81	5.72	5.58	5.35		0.50	0.40	1.82	3.04	3.65	
	148.36		S31	B	Residential 5-7 dwellings/acre	56	36	76	90.93	88.54	85.38	80.27	72.32	65.71		0.50	0.30	22.25	37.09	44.51	
	167.09		S31	C	Residential 5-7 dwellings/acre	69	50	86	117.95	115.19	111.39	104.85	93.30	81.23		0.50	0.25	25.06	41.77	50.13	
	7.77		S31	D	Residential 5-7 dwellings/acre	75	57	91	5.85	5.73	5.56	5.26	4.71	4.08		0.50	0.20	1.17	1.94	2.33	
	28.80		S31	A	Row Crops, Poor	72	53	89	14.35	13.53	12.39	3.28	1.14	0.03		1.00	0.40	8.64	14.40	17.28	
	3.32		S31	B	Row Crops, Poor	81	64	95	2.15	2.07	1.96	0.82	0.46	0.16		1.00	0.30	1.00	1.66	1.99	
	6.60		S31	C	Row Crops, Poor	88	75	98	5.09	4.97	4.80	2.71	1.92	1.11		1.00	0.25	1.98	3.30	3.96	
	1.34		S31	D	Row Crops, Poor	91	80	98	1.11	1.09	1.06	0.68	0.52	0.34		1.00	0.20	0.40	0.67	0.80	
	6.21		S31	B	School	56	36	76	3.37	3.26	3.11	2.86	2.49	2.21		0.60	0.30	1.12	1.86	2.24	
	11.04		S31	C	School	69	50	86	7.23	7.02	6.73	6.24	5.37	4.50		0.60	0.25	1.99	3.31	3.97	
	3.90		S31	D	School	75	57	91	2.78	2.71	2.61	2.24	2.12	1.77		0.60	0.20	0.70	1.17	1.40	
	51.85		S31	A	Turf, Good	33	17	53	1.45	0.88	0.32	0.00	0.00	0.00		1.00	0.40	15.56	25.93	31.11	
	114.80		S31	B	Turf, Good	58	38	77	33.55	30.21	25.81	18.83	8.54	1.42		1.00	0.30	34.44	57.40	68.88	
	33.86		S31	C	Turf, Good	72	53	89	16.87	15.90	14.57	12.27	8.29	4.34		1.00	0.25	10.16	16.93	20.32	
	0.44		S31	D	Turf, Good	79	62	93	0.27	0.26	0.24	0.21	0.16	0.11		1.00	0.20	0.13	0.22	0.26	
	33.60		S31	A	Woodland, Grass, Fair	44	26	64	4.12	3.37	2.46	0.00	0.00	0.00		1.00	0.40	10.08	16.80	20.16	
	26.08		S31	B	Woodland, Grass, Fair	65	45	83	10.21	9.43	8.38	1.11	0.08	0.00		1.00	0.30	7.82	13.04	15.65	
	48.80		S31	C	Woodland, Grass, Fair	77	59	92	28.27	26.98	25.17	8.82	4.25	0.90		1.00	0.25	14.64	24.40	29.28	
	1.07		S31	D	Woodland, Grass, Fair	82	66	95	0.71	0.69	0.65	0.28	0.17	0.07		1.00	0.20	0.32	0.54	0.64	
	1.50		S32	C	Barren	91	80	98	1.24	1.22	1.19	0.76	0.58	0.38		1.00	0.25	0.45	0.75	0.90	
	0.60		S32	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36	
	10.15		S32	B	Commercial, Industrial	56	36	76	9.04	8.98	8.89	8.74	8.44	8.04		0.10	0.30	0.30	0.51	0.61	
	0.33		S32	C	Commercial, Industrial	69	50	86	0.30	0.30	0.30	0.29	0.28	0.26		0.10	0.25	0.01	0.02	0.02	
	4.83		S32	D	Commercial, Industrial	75	57	91	4.44	4.41	4.37	4.29	4.13	3.91		0.10	0.20	0.14	0.24	0.29	
	8.06		S32	B	Condominiums	56	36	76	5.78	5.68	5.55	5.33	4.97	4.63		0.35	0.30	0.85	1.41	1.69	
	7.30		S32	C	Condominiums	69	50	86	5.71	5.62	5.49	5.27	4.86	4.41		0.35	0.25	0.77	1.28	1.53	
	0.90		S32	A	Fallow	77	59	92	0.52	0.50	0.46	0.16	0.08	0.02		1.00	0.40	0.27	0.45	0.54	
	1.13		S32	B	Fallow	86	72	97	0.83	0.81	0.78	0.40	0.27	0.14		1.00	0.30	0.34	0.57	0.68	
	3.76		S32	C	Fallow	91	80	98	3.11	3.05	2.98	1.90	1.46	0.96		1.00	0.25	1.13	1.88	2.26	
	2.57		S32	D	Fallow	94	85	99	2.27	2.24	2.21	1.59	1.31	0.98		1.00	0.20	0.77	1.29	1.54	
	0.13		S32	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.04	0.07	0.08	
	75.47		S32	B	Grass, Annual or Perennial, Fair	69	50	86	34.08	31.86	28.83	6.03	1.46	0.00		1.00	0.30	22.64	37.74	45.28	
	143.60		S32	C	Grass, Annual or Perennial, Fair	79	62	93	88.00	84.35	79.23	30.32	15.94	4.53		1.00	0.25	43.08	71.80	86.16	
	7.85		S32	D	Grass, Annual or Perennial, Fair	84	69	96	5.49	5.32	5.08	2.42	1.52	0.69		1.00	0.20	2.36	3.93	4.71	
	25.40		S32	B	Open Brush, Fair	66	46	84	10.32	9.56	8.53	1.30	0.15	0.00		1.00	0.30	7.62	12.70	15.24	
	310.79		S32	C	Open Brush, Fair	77	59	92	180.06	171.80	160.27	56.20	27.06	5.73		1.00	0.25	93.24	155.40	186.47	
	7.06		S32	D	Open Brush, Fair	83	67	96	4.81	4.65	4.43	2.02	1.24	0.52		1.00	0.20	2.12	3.53	4.24	
	19.85		S32	B	Public Park	56	36	76	7.34	6.85	6.20	5.19	3.71	2.72		0.85	0.30	5.06	8.44	10.12	
	5.35		S32	C	Public Park	69	50	86	2.82	2.69	2.50	2.18	1.64	1.13		0.85	0.25	1.36	2.27	2.73	
	5.96		S32	D	Public Park	75	57	91	3.63	3.48	3.29	2.94	2.31	1.65		0.85	0.20	1.52	2.53	3.04	
	30.31		S32	C	Residential 2 dwellings/acre	69	50	86	18.31	17.65	16.75	15.22	12.58	9.96		0.70	0.25	6.37	10.61	12.73	
	1.81		S32	D	Residential 2 dwellings/acre	75	57	91	1.21	1.18	1.13	1.04	0.87	0.69		0.70	0.20	0.38	0.63	0.76	
	0.30		S32	A	Residential 3-4 dwellings/acre	32	17	52	0.12	0.12	0.11	0.11	0.11	0.11		0.60	0.40	0.05	0.09	0.11	
	71.64		S32	B	Residential 3-4 dwellings/acre	56	36	76	38.93	37.60	35.84	33.03	28.77	25.47		0.60	0.30	12.90	21.49	25.79	
	97.27		S32	C	Residential 3-4 dwellings/acre	69	50	86	63.71	61.86	59.30	54.94	47.34	39.63		0.60	0.25	17.51	29.18	35.02	
	10.38		S32	D	Residential 3-4 dwellings/acre	75	57	91	7.39	7.20	6.94	6.49	5.64	4.72		0.60	0.20	1.87	3.11	3.74	
	1.16		S32	A	Residential 5-7 dwellings/acre	32	17	52	0.57	0.56	0.55	0.55	0.53	0.51		0.50	0.40	0.17	0.29	0.35	
	61.61		S32	B	Residential 5-7 dwellings/acre	56	36	76	37.76	36.77	35.46	33.34	30.03	27.29		0.50	0.30	9.24	15.40	18.48	
	77.55		S32	C	Residential 5-7 dwellings/acre	69	50	86	54.74	53.46	51.70	48.66	43.30	37.70		0.50	0.25	11.63	19.39	23.27	
	18.29		S32	D	Residential 5-7 dwellings/acre	75	57	91	13.78	13.49	13.10	12.39	11.08	9.61		0.50	0.20	2.74	4.57	5.49	
	0.49		S32	A	Row Crops, Poor	72	53	89	0.24	0.23	0.21	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.29	
	0.02		S32	B	Row Crops, Poor	81	64	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01	
	2.90		S32	C	Row Crops, Poor	88	75	98	2.23	2.18	2.11	1.19	0.85	0.49		1.00	0.25	0.87	1.45	1.74	
	2.20		S32	D	Row Crops, Poor	91	80	98	1.82	1.79	1.74	1.11	0.85	0.56		1.00	0.20	0.66	1.10	1.32	
	3.35		S32	B	School	56	36	76	1.82	1.76	1.68	1.54	1.35	1.19		0.60	0.30	0.60	1.01	1.21	
	4.81		S32	C	School	69	50	86	3.15	3.06	2.93	2.72	2.34	1.96		0.60	0.25	0.87	1.44	1.73	
	5.12		S32	D	School	75	57	91	3.65	3.55	3.43	3.20	2.78	2.33		0.60	0.20	0.92	1.54	1.84	
	3.04		S32	A	Woodland, Grass, Fair	44	26	64	0.37	0.31	0.22	0.00	0.00	0.00		1.00	0.40	0.91	1.52	1.82	
	73.14		S32	B	Woodland, Grass, Fair	65	45	83	28.62	26.44	23.49	3.12	0.24	0.00		1.00	0.30	21.94	36.57	43.88	
	18.30		S32	C	Woodland, Grass, Fair	77	59	92	10.60	10.12	9.44	3.31	1.59	0.34		1.00	0.25	5.49	9.15	10.98	
	1.40		S32	D	Woodland, Grass, Fair	82	66	95	0.93	0.90	0.85	0.37	0.22	0.09		1.00	0.20	0.42	0.70	0.84	
	0.1	HZ-206	S33	A	Barren	78	61	93	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.40	0.03	0.05	0.06	
	2.6	HZ-206	S33	A	Open Brush, Fair	46	28	66	0.37	0.31	0.24	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56	
	3.1	HZ-206	S33	A	Row Crops, Poor	72	53	89	1.54	1.46	1.33	0.35	0.12	0.00		1.00	0.40	0.93	1.55	1.86	
	0.4	HZ-206	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24	
	0.2	HZ-206	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100								
									AMC			P ₂₄ (Inches)							5.63				
						II	I	III															
	34.6	HZ-206	S33	B	Row Crops, Poor	81	64	95	22.38	21.55	20.38	8.52	4.84	1.72	1.00	0.30	10.38	17.30	20.76				
	2.4	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.94	0.87	0.77	0.10	0.01	0.00	1.00	0.30	0.72	1.20	1.44				
	22.6	HZ-206	S33	C	Open Brush, Fair	77	59	92	13.09	12.49	11.65	4.09	1.97	0.42	1.00	0.25	6.78	11.30	13.56				
	11.6	HZ-206	S33	C	Row Crops, Poor	88	75	98	8.94	8.74	8.44	4.76	3.38	1.94	1.00	0.25	3.48	5.80	6.96				
	0.4	HZ-206	S33	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.30	0.20	0.20	0.02	0.04	0.05				
	4.8	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	3.10	2.99	2.83	1.18	0.67	0.24	1.00	0.20	1.44	2.40	2.88				
	1.6	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.12	1.08	1.03	0.49	0.31	0.14	1.00	0.20	0.48	0.80	0.96				
	46.4	HZ-206	S33	D	Open Brush, Fair	83	67	96	31.62	30.58	29.10	13.30	8.12	3.43	1.00	0.20	13.92	23.20	27.84				
	0.1	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07	0.20	0.20	0.01	0.01	0.01				
	60.7	HZ-206	S33	D	Row Crops, Poor	91	80	98	50.14	49.28	48.04	30.60	23.49	15.50	1.00	0.20	18.21	30.35	36.42				
	5.8	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.85	3.72	3.53	1.54	0.91	0.35	1.00	0.20	1.74	2.90	3.48				
	0.2	HZ-207	S33	A	Barren	78	61	93	0.12	0.11	0.11	0.04	0.02	0.00	1.00	0.40	0.06	0.10	0.12				
	0.4	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.03	0.00	0.00	0.00	1.00	0.40	0.12	0.20	0.24				
	0.8	HZ-207	S33	B	Barren	86	72	97	0.59	0.57	0.55	0.28	0.19	0.10	1.00	0.30	0.24	0.40	0.48				
	1.4	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.25	1.24	1.23	1.21	1.16	1.11	0.10	0.30	0.04	0.07	0.08				
	2.6	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	1.17	1.10	0.99	0.21	0.05	0.00	1.00	0.30	0.78	1.30	1.56				
	2.2	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.89	0.83	0.74	0.11	0.01	0.00	1.00	0.30	0.66	1.10	1.32				
	3.1	HZ-207	S33	B	Row Crops, Poor	81	64	95	2.01	1.93	1.83	0.76	0.43	0.15	1.00	0.30	0.93	1.55	1.86				
	3.4	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.33	1.23	1.09	0.14	0.01	0.00	1.00	0.30	1.02	1.70	2.04				
	0.5	HZ-207	S33	D	Barren	93	83	99	0.43	0.43	0.42	0.29	0.23	0.17	1.00	0.20	0.15	0.25	0.30				
	0.2	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01	1.00	0.20	0.06	0.10	0.12				
	3.6	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.31	3.29	3.26	3.20	3.08	2.91	0.10	0.20	0.11	0.18	0.22				
	4	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.80	2.71	2.59	1.23	0.78	0.35	1.00	0.20	1.20	2.00	2.40				
	14.6	HZ-207	S33	D	Open Brush, Fair	83	67	96	9.95	9.62	9.16	4.19	2.56	1.08	1.00	0.20	4.38	7.30	8.76				
	6.3	HZ-207	S33	D	Row Crops, Poor	91	80	98	5.20	5.11	4.99	3.18	2.44	1.61	1.00	0.20	1.89	3.15	3.78				
	3.7	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.46	2.37	2.25	0.98	0.58	0.23	1.00	0.20	1.11	1.85	2.22				
	0.1	HZ-208	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00	1.00	0.40	0.03	0.05	0.06				
	0.2	HZ-208	S33	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00	1.00	0.40	0.06	0.10	0.12				
	5	HZ-208	S33	A	Woodland, Grass, Fair	44	26	64	0.61	0.50	0.37	0.00	0.00	0.00	1.00	0.40	1.50	2.50	3.00				
	3.2	HZ-208	S33	B	Commercial, Industrial	56	36	76	2.85	2.83	2.80	2.75	2.66	2.54	0.10	0.30	0.10	0.16	0.19				
	0.1	HZ-208	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00	1.00	0.30	0.03	0.05	0.06				
	0.9	HZ-208	S33	B	Open Brush, Fair	66	46	84	0.37	0.34	0.30	0.05	0.01	0.00	1.00	0.30	0.27	0.45	0.54				
	0.3	HZ-208	S33	C	Apartments	69	50	86	0.26	0.25	0.25	0.24	0.23	0.22	0.20	0.25	0.02	0.03	0.04				
	0.2	HZ-208	S33	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05	1.00	0.25	0.06	0.10	0.12				
	1	HZ-208	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.52	0.48	0.15	0.07	0.01	1.00	0.25	0.30	0.50	0.60				
	41.9	HZ-208	S33	C	Commercial, Industrial	69	50	86	38.10	37.84	37.47	36.80	35.42	33.57	0.10	0.25	1.26	2.10	2.51				
	7.2	HZ-208	S33	C	Grass, Annual or Perennial, Fair	79	62	93	4.41	4.23	3.97	1.52	0.80	0.23	1.00	0.25	2.16	3.60	4.32				
	25	HZ-208	S33	C	Open Brush, Fair	77	59	92	14.48	13.82	12.89	4.52	2.18	0.46	1.00	0.25	7.50	12.50	15.00				
	0.1	HZ-208	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02	0.85	0.25	0.03	0.04	0.05				
	0.9	HZ-208	S33	C	Row Crops, Poor	88	75	98	0.69	0.68	0.65	0.37	0.26	0.15	1.00	0.25	0.27	0.45	0.54				
	0.3	HZ-208	S33	C	School	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12	0.60	0.25	0.05	0.09	0.11				
	13.2	HZ-208	S33	C	Woodland, Grass, Fair	77	59	92	7.65	7.30	6.81	2.39	1.15	0.24	1.00	0.25	3.96	6.60	7.92				
	0.5	HZ-208	S33	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37	0.20	0.20	0.03	0.05	0.06				
	0.6	HZ-208	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03	1.00	0.20	0.18	0.30	0.36				
	33.9	HZ-208	S33	D	Commercial, Industrial	75	57	91	31.15	30.95	30.65	30.11	28.98	27.43	0.10	0.20	1.02	1.70	2.03				
	17.6	HZ-208	S33	D	Grass, Annual or Perennial, Fair	84	69	96	12.30	11.92	11.38	5.42	3.42	1.55	1.00	0.20	5.28	8.80	10.56				
	16.8	HZ-208	S33	D	Open Brush, Fair	83	67	96	11.45	11.07	10.54	4.82	2.94	1.24	1.00	0.20	5.04	8.40	10.08				
	0.6	HZ-208	S33	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44	0.20	0.20	0.04	0.06	0.07				
	1.5	HZ-208	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.19	1.17	1.14	1.10	1.00	0.89	0.40	0.20	0.18	0.30	0.36				
	10	HZ-208	S33	D	Row Crops, Poor	91	80	98	8.26	8.12	7.91	5.04	3.87	2.55	1.00	0.20	3.00	5.00	6.00				
	0.3	HZ-208	S33	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14	0.60	0.20	0.05	0.09	0.11				
	0.7	HZ-208	S33	D	Woodland, Grass, Fair	82	66	95	0.46	0.45	0.43	0.19	0.11	0.04	1.00	0.20	0.21	0.35	0.42				
	0.2	HZ-31010	S33	B	Commercial, Industrial	56	36	76	0.18	0.18	0.18	0.17	0.17	0.16	0.10	0.30	0.01	0.01	0.01				
	0.1	HZ-31010	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.05	0.04	0.04	0.01	0.00	0.00	1.00	0.30	0.03	0.05	0.06				
	0.2	HZ-31010	S33	B	Orchards, Evergreen, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00	1.00	0.30	0.06	0.10	0.12				
	3.7	HZ-31010	S33	C	Barren	91	80	98	3.06	3.00	2.93	1.87	1.43	0.94	1.00	0.25	1.11	1.85	2.22				
	0.3	HZ-31010	S33	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24	0.10	0.25	0.01	0.02	0.02				
	3.2	HZ-31010	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.96	1.88	1.77	0.68	0.36	0.10	1.00	0.25	0.96	1.60	1.92				
	3.6	HZ-31010	S33	C	Woodland, Grass, Fair	77	59	92	2.09	1.99	1.86	0.65	0.31	0.07	1.00	0.25	1.08	1.80	2.16				
	1.9	HZ-31010	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.33	1.29	1.23	0.59	0.37	0.17	1.00	0.20	0.57	0.95	1.14				
	0.6	HZ-31010	S33	D	Woodland, Grass, Fair	82	66	95	0.40	0.38	0.36	0.16	0.09	0.04	1.00	0.20	0.18	0.30	0.36				
	0.3	HZ-31010.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.06	0.05	0.04	0.00	0.00	0.00	1.00	0.40	0.09	0.15	0.18				
	0.8	HZ-31010.2	S33	A	Woodland, Grass, Fair	44	26	64	0.10	0.08	0.06	0.00	0.00	0.00	1.00	0.40	0.24	0.40	0.48				
	0.5	HZ-31010.2	S																				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100													
						AMC			P ₂₄ (Inches)																
						II	I	III	AMC 1/AMCII																
	0.5	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30					
	0.7	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.20	0.12	0.05		1.00	0.20	0.21	0.35	0.42					
	0.1	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06					
	0.3	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.19	0.19	0.18	0.07	0.04	0.01		1.00	0.20	0.09	0.15	0.18					
	1.9	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.29	1.25	1.19	0.54	0.33	0.14		1.00	0.20	0.57	0.95	1.14					
	1.1	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.64	0.61	0.57	0.20	0.10	0.02		1.00	0.25	0.33	0.55	0.66					
	2.5	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.70	1.65	1.57	0.72	0.44	0.18		1.00	0.20	0.75	1.25	1.50					
	0.7	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.38	0.36	0.34	0.11	0.05	0.01		1.00	0.25	0.21	0.35	0.42					
	3	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.74	1.66	1.55	0.54	0.26	0.06		1.00	0.25	0.90	1.50	1.80					
	0.6	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36					
	2.1	HZ-31104	S33	D	Open Brush, Fair	83	67	96	1.43	1.38	1.32	0.60	0.37	0.16		1.00	0.20	0.63	1.05	1.26					
	0.6	HZ-31105	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.22	0.20	0.18	0.02	0.00	0.00		1.00	0.30	0.18	0.30	0.36					
	0.1	HZ-31105	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06					
	2.8	HZ-31105	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.53	1.45	1.35	0.43	0.18	0.02		1.00	0.25	0.84	1.40	1.68					
	2.6	HZ-31105	S33	C	Open Brush, Fair	77	59	92	1.51	1.44	1.34	0.47	0.23	0.05		1.00	0.25	0.78	1.30	1.56					
	0.6	HZ-31105	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36					
	4.1	HZ-31105	S33	D	Open Brush, Fair	83	67	96	2.79	2.70	2.57	1.18	0.72	0.30		1.00	0.20	1.23	2.05	2.46					
	0.8	HZ-31106	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.29	0.27	0.23	0.02	0.00	0.00		1.00	0.30	0.24	0.40	0.48					
	1.5	HZ-31106	S33	B	Open Brush, Fair	66	46	84	0.61	0.56	0.50	0.08	0.01	0.00		1.00	0.30	0.45	0.75	0.90					
	1.9	HZ-31106	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.04	0.99	0.91	0.29	0.13	0.02		1.00	0.25	0.57	0.95	1.14					
	8.2	HZ-31106	S33	C	Open Brush, Fair	77	59	92	4.75	4.53	4.23	1.48	0.71	0.15		1.00	0.25	2.46	4.10	4.92					
	2.7	HZ-31106	S33	D	Open Brush, Fair	83	67	96	1.84	1.78	1.69	0.77	0.47	0.20		1.00	0.20	0.81	1.35	1.62					
	0.5	HZ-31107	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.18	0.17	0.15	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30					
	1.1	HZ-31107	S33	B	Open Brush, Fair	66	46	84	0.45	0.41	0.37	0.06	0.01	0.00		1.00	0.30	0.33	0.55	0.66					
	6.5	HZ-31107	S33	C	Chaparral, Broadleaf, Fair	75	57	91	3.55	3.37	3.12	0.99	0.43	0.06		1.00	0.25	1.95	3.25	3.90					
	5.5	HZ-31107	S33	C	Open Brush, Fair	77	59	92	3.19	3.04	2.84	0.99	0.48	0.10		1.00	0.25	1.65	2.75	3.30					
	1.3	HZ-31107	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.84	0.81	0.77	0.32	0.18	0.06		1.00	0.20	0.39	0.65	0.78					
	3.4	HZ-31107	S33	D	Open Brush, Fair	83	67	96	2.32	2.24	2.13	0.97	0.60	0.25		1.00	0.20	1.02	1.70	2.04					
	0.7	HZ-31108	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.25	0.23	0.20	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42					
	2.2	HZ-31108	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.99	0.93	0.84	0.18	0.04	0.00		1.00	0.30	0.66	1.10	1.32					
	3.1	HZ-31108	S33	B	Open Brush, Fair	66	46	84	1.26	1.17	1.04	0.16	0.02	0.00		1.00	0.30	0.93	1.55	1.86					
	0.9	HZ-31108	S33	B	Woodland, Grass, Fair	65	45	83	0.35	0.33	0.29	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54					
	7.4	HZ-31108	S33	C	Chaparral, Broadleaf, Fair	75	57	91	4.04	3.84	3.56	1.13	0.49	0.07		1.00	0.25	2.22	3.70	4.44					
	0.3	HZ-31108	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.18	0.18	0.17	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18					
	11.4	HZ-31108	S33	C	Open Brush, Fair	77	59	92	6.60	6.30	5.88	2.06	0.99	0.21		1.00	0.25	3.42	5.70	6.84					
	8.9	HZ-31108	S33	C	Woodland, Grass, Fair	77	59	92	5.16	4.92	4.59	1.61	0.77	0.16		1.00	0.25	2.67	4.45	5.34					
	1.9	HZ-31108	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.23	1.18	1.12	0.47	0.27	0.09		1.00	0.20	0.57	0.95	1.14					
	9.2	HZ-31108	S33	D	Open Brush, Fair	83	67	96	6.27	6.06	5.77	2.64	1.61	0.68		1.00	0.20	2.76	4.60	5.52					
	1.4	HZ-31108	S33	D	Woodland, Grass, Fair	82	66	95	0.93	0.90	0.85	0.37	0.22	0.09		1.00	0.20	0.42	0.70	0.84					
	0.8	HZ-31109	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.36	0.34	0.31	0.06	0.02	0.00		1.00	0.30	0.24	0.40	0.48					
	0.6	HZ-31109	S33	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36					
	0.1	HZ-31109	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05					
	1.3	HZ-31109	S33	B	Row Crops, Poor	81	64	95	0.84	0.81	0.77	0.32	0.18	0.06		1.00	0.30	0.39	0.65	0.78					
	4	HZ-31109	S33	B	Woodland, Grass, Fair	65	45	83	1.57	1.45	1.28	0.17	0.01	0.00		1.00	0.30	1.20	2.00	2.40					
	1.5	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.82	0.78	0.72	0.23	0.10	0.01		1.00	0.25	0.45	0.75	0.90					
	0.3	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.18	0.18	0.17	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18					
	9.6	HZ-31109	S33	C	Open Brush, Fair	77	59	92	5.56	5.31	4.95	1.74	0.84	0.18		1.00	0.25	2.88	4.80	5.76					
	0.4	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22					
	6.2	HZ-31109	S33	C	Row Crops, Poor	88	75	98	4.78	4.67	4.51	2.55	1.81	1.04		1.00	0.25	1.86	3.10	3.72					
	3.9	HZ-31109	S33	C	Woodland, Grass, Fair	77	59	92	2.26	2.16	2.01	0.71	0.34	0.07		1.00	0.25	1.17	1.95	2.34					
	1.4	HZ-31109	S33	D	Row Crops, Poor	91	80	98	1.16	1.14	1.11	0.71	0.54	0.36		1.00	0.20	0.42	0.70	0.84					
	4.9	HZ-31110	S33	A	Barren	78	61	93	2.92	2.79	2.61	0.96	0.48	0.12		1.00	0.40	1.47	2.45	2.94					
	1.5	HZ-31110	S33	A	Row Crops, Poor	72	53	89	0.75	0.70	0.65	0.17	0.06	0.00		1.00	0.40	0.45	0.75	0.90					
	0.6	HZ-31110	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.19	0.16	0.13	0.09	0.06		0.90	0.30	0.16	0.27	0.32					
	2.5	HZ-31110	S33	B	Row Crops, Poor	81	64	95	1.62	1.56	1.47	0.62	0.35	0.12		1.00	0.30	0.75	1.25	1.50					
	5.3	HZ-31110	S33	C	Row Crops, Poor	88	75	98	4.08	3.99	3.86	2.18	1.54	0.89		1.00	0.25	1.59	2.65	3.18					
	3.3	HZ-31110	S33	D	Row Crops, Poor	91	80	98	2.73	2.68	2.61	1.66	1.28	0.84		1.00	0.20	0.99	1.65	1.98					
	1.3	HZ-31111	S33	A	Barren	78	61	93	0.77	0.74	0.69	0.25	0.13	0.03		1.00	0.40	0.39	0.65	0.78					
	0.2	HZ-31111	S33	A	Commercial, Industrial	32	17	52	0.17	0.17	0.17	0.17	0.17	0.16		0.10	0.40	0.01	0.01	0.01					
	5.3	HZ-31111	S33	A	Row Crops, Poor	72	53	89	2.64	2.49	2.28	0.60	0.21	0.00		1.00	0.40	1.59	2.65	3.18					
	0.3	HZ-31111	S33	A	Woodland, Grass, Fair	44	26	64	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18					
	0.2	HZ-31111	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06														

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC 1/AMCII						5.63							
Storm Event (Year)																			HC			
EV																			All			
> 5																			5	2	2	All
	14.6	HZ-31111	S33	D	Row Crops, Poor	91	80	98	12.06	11.85	11.55	7.36	5.65	3.73		1.00	0.20	4.38	7.30	8.76		
	13.8	HZ-31112	S33	A	Barren	78	61	93	8.22	7.87	7.36	2.70	1.36	0.34		1.00	0.40	4.14	6.90	8.28		
	2.6	HZ-31112	S33	B	Barren	86	72	97	1.91	1.86	1.78	0.93	0.62	0.32		1.00	0.30	0.78	1.30	1.56		
	1.1	HZ-31112	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07		
	3.5	HZ-31112	S33	B	Residential 2.5 acre lots	56	36	76	1.17	1.08	0.96	0.77	0.50	0.33		0.90	0.30	0.95	1.58	1.89		
	6.9	HZ-31112	S33	B	Row Crops, Poor	81	64	95	4.46	4.38	4.06	1.70	0.97	0.34		1.00	0.30	2.07	3.45	4.14		
	0.2	HZ-31112	S33	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12		
	0.1	HZ-31112	S33	C	Row Crops, Poor	88	75	98	0.08	0.08	0.07	0.04	0.03	0.02		1.00	0.25	0.03	0.05	0.06		
	0.1	HZ-31112	S33	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	2.4	HZ-31112	S33	D	Residential 2.5 acre lots	75	57	91	1.41	1.35	1.27	1.12	0.86	0.58		0.90	0.20	0.65	1.08	1.30		
	0.5	HZ-31112	S33	D	Row Crops, Poor	91	80	98	0.41	0.41	0.40	0.25	0.19	0.13		1.00	0.20	0.15	0.25	0.30		
	0.5	HZ-31113	S33	A	Barren	78	61	93	0.30	0.29	0.27	0.10	0.05	0.01		1.00	0.40	0.15	0.25	0.30		
	0.3	HZ-31113	S33	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		0.10	0.40	0.01	0.02	0.02		
	0.2	HZ-31113	S33	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12		
	0.8	HZ-31113	S33	A	Residential 2.5 acre lots	32	17	52	0.09	0.09	0.08	0.08	0.07	0.07		0.90	0.40	0.22	0.36	0.43		
	1.6	HZ-31113	S33	A	Row Crops, Poor	72	53	89	0.80	0.75	0.69	0.18	0.06	0.00		1.00	0.40	0.48	0.80	0.96		
	31.9	HZ-31113	S33	B	Barren	86	72	97	23.43	22.80	21.90	11.38	7.61	3.92		1.00	0.30	9.57	15.95	19.14		
	1.7	HZ-31113	S33	B	Commercial, Industrial	56	36	76	1.51	1.50	1.49	1.46	1.41	1.35		0.10	0.30	0.05	0.09	0.10		
	0.3	HZ-31113	S33	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18		
	2.6	HZ-31113	S33	B	Residential 2.5 acre lots	56	36	76	0.87	0.80	0.71	0.58	0.37	0.24		0.90	0.30	0.70	1.17	1.40		
	5.5	HZ-31113	S33	B	Row Crops, Poor	81	64	95	3.56	3.43	3.24	1.35	0.77	0.27		1.00	0.30	1.65	2.75	3.30		
	0.2	HZ-31113	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.2	HZ-31113	S33	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12		
	1.3	HZ-31113	S33	C	Residential 2.5 acre lots	69	50	86	0.65	0.62	0.57	0.49	0.35	0.22		0.90	0.25	0.35	0.59	0.70		
	0.3	HZ-31113	S33	D	Barren	93	83	99	0.26	0.26	0.25	0.17	0.14	0.10		1.00	0.20	0.09	0.15	0.18		
	0.2	HZ-31113	S33	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01		
	0.3	HZ-31113	S33	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18		
	6.5	HZ-31113	S33	D	Residential 2.5 acre lots	75	57	91	3.82	3.66	3.43	3.03	2.32	1.57		0.90	0.20	1.76	2.93	3.51		
	3	HZ-31113	S33	D	Row Crops, Poor	91	80	98	2.48	2.44	2.37	1.51	1.16	0.77		1.00	0.20	0.90	1.50	1.80		
	1.2	HZ-31113.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.23	0.20	0.16	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72		
	0.5	HZ-31113.2	S33	A	Open Brush, Fair	46	28	66	0.07	0.06	0.05	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30		
	1.7	HZ-31113.2	S33	A	Public Park	32	17	52	0.28	0.26	0.25	0.24	0.23	0.22		0.85	0.40	0.43	0.72	0.87		
	7.2	HZ-31113.2	S33	A	Woodland, Grass, Fair	44	26	64	0.88	0.72	0.53	0.00	0.00	0.00		1.00	0.40	2.16	3.60	4.32		
	1	HZ-31113.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.70	0.68	0.65	0.31	0.19	0.09		1.00	0.20	0.30	0.50	0.60		
	7.8	HZ-31114	S33	A	Barren	78	61	93	4.65	4.45	4.16	1.53	0.77	0.19		1.00	0.40	2.34	3.90	4.68		
	1.7	HZ-31114	S33	A	Row Crops, Poor	72	53	89	0.85	0.80	0.73	0.19	0.07	0.00		1.00	0.40	0.51	0.85	1.02		
	9.4	HZ-31114	S33	B	Barren	86	72	97	6.90	6.72	6.45	3.35	2.24	1.16		1.00	0.30	2.82	4.70	5.64		
	1.2	HZ-31114	S33	B	Open Brush, Fair	66	46	84	0.49	0.45	0.40	0.06	0.01	0.00		1.00	0.30	0.36	0.60	0.72		
	0.1	HZ-31114	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
	2.6	HZ-31114	S33	B	Row Crops, Poor	81	64	95	1.68	1.62	1.53	0.64	0.36	0.13		1.00	0.30	0.78	1.30	1.56		
	0.2	HZ-31114	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.3	HZ-31114	S33	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18		
	0.2	HZ-31114	S33	C	Residential 2.5 acre lots	69	50	86	0.10	0.10	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11		
	2.7	HZ-31114	S33	C	Row Crops, Poor	88	75	98	2.08	2.03	1.96	1.11	0.79	0.45		1.00	0.25	0.81	1.35	1.62		
	18.4	HZ-31115	S33	A	Barren	78	61	93	10.97	10.49	9.82	3.60	1.82	0.45		1.00	0.40	5.52	9.20	11.04		
	1.2	HZ-31115	S33	A	Meadows or Cienegas, Fair	51	32	71	0.24	0.21	0.17	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72		
	0.1	HZ-31115	S33	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06		
	26.6	HZ-31115	S33	B	Barren	86	72	97	19.54	19.01	18.26	9.47	6.34	3.27		1.00	0.30	7.98	13.30	15.96		
	3.9	HZ-31115	S33	B	Commercial, Industrial	56	36	76	3.47	3.45	3.42	3.36	3.24	3.09		0.10	0.30	0.12	0.20	0.23		
	3	HZ-31115	S33	B	Fallow	86	72	97	2.20	2.14	2.06	1.07	0.72	0.37		1.00	0.30	0.90	1.50	1.80		
	0.5	HZ-31115	S33	B	Open Brush, Fair	66	46	84	0.20	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30		
	8.2	HZ-31115	S33	B	Residential 2.5 acre lots	56	36	76	2.75	2.53	2.25	1.81	1.18	0.76		0.90	0.30	2.21	3.69	4.43		
	1.1	HZ-31115	S33	B	Row Crops, Poor	81	64	95	0.71	0.69	0.65	0.27	0.15	0.05		1.00	0.30	0.33	0.55	0.66		
	0.2	HZ-31115	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	14	HZ-31115	S33	C	Barren	91	80	98	11.56	11.37	11.08	7.06	5.42	3.57		1.00	0.25	4.20	7.00	8.40		
	4.3	HZ-31115	S33	C	Commercial, Industrial	69	50	86	3.91	3.88	3.85	3.78	3.63	3.45		0.10	0.25	0.13	0.22	0.26		
	5.3	HZ-31115	S33	C	Fallow	91	80	98	4.38	4.30	4.19	2.67	2.05	1.35		1.00	0.25	1.59	2.65	3.18		
	2.7	HZ-31115	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.65	1.59	1.49	0.57	0.30	0.09		1.00	0.25	0.81	1.35	1.62		
	3.2	HZ-31115	S33	C	Meadows or Cienegas, Fair	80	63	94	2.02	1.94	1.82	0.73	0.40	0.13		1.00	0.25	0.96	1.60	1.92		
	6.1	HZ-31115	S33	C	Open Brush, Fair	77	59	92	3.53	3.37	3.15	1.10	0.53	0.11		1.00	0.25	1.83	3.03	3.66		
	7.5	HZ-31115	S33	C	Residential 2.5 acre lots	69	50	86	3.77	3.57	3.29	2.83	2.04	1.28		0.90	0.25	2.03	3.38	4.05		
	5.4	HZ-31115	S33	C	Row Crops, Poor	88	75	98	4.16	4.07	3.93	2.22	1.57	0.91		1.00	0.25	1.62	2.70	3.24		
	1.6	HZ-31115	S33	C	Woodland, Grass, Fair	77	59	92	0.93	0.88	0.83	0.29	0.14	0.03		1.00	0.25	0.48	0.80	0.96		
	1.9	HZ-31115	S33	D	Barren	93	83	99	1.64	1.62	1.59	1.10	0.89	0.64		1.00	0.20	0.57	0.95	1.14		
	2	HZ-31115	S33	D	Commercial, Industrial	75	57	91	1.84	1.83	1.81	1.78	1.71	1.62		0.10	0.20	0.06	0.10	0.12		
	3.7	HZ-31115	S33	D	Fallow	94	85	99	3.27	3.23	3.17	2.28	1.89	1.41		1.00	0.20	1.11	1.85	2.22		
	2.1	HZ-31115	S33	D	Open Brush, Fair	83	67	96	1.43	1.38	1.32	0.60	0.37	0.16		1.00	0.20	0.63	1.05	1.26		
	2.6	HZ-31115	S33	D																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100													
						AMC			P ₂₄ (Inches)																
						II	I	III					AMC 1/AMCII	5.63		Storm Event (Year)			HC	All					
	0.1	HZ-31116	S33	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05					
	0.1	HZ-31116	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06					
	0.1	HZ-31116	S33	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06					
	0.2	HZ-31116	S33	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12					
	0.4	HZ-31116	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20					
	0.4	HZ-31116	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.28	0.27	0.26	0.12	0.08	0.04		1.00	0.20	0.12	0.20	0.24					
	0.8	HZ-31116	S33	D	Residential 2.5 acre lots	75	57	91	0.47	0.45	0.42	0.37	0.29	0.19		0.90	0.20	0.22	0.36	0.43					
	0.8	HZ-31116	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.36	0.34	0.31	0.06	0.02	0.00		1.00	0.30	0.24	0.40	0.48					
	1	HZ-31116	S33	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.18	0.07		1.00	0.20	0.30	0.50	0.60					
	1.1	HZ-31116	S33	D	Woodland, Grass, Fair	82	66	95	0.73	0.70	0.67	0.29	0.17	0.07		1.00	0.20	0.33	0.55	0.66					
	1.1	HZ-31116	S33	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		1.00	0.20	0.03	0.06	0.07					
	2.8	HZ-31116	S33	C	Residential 2.5 acre lots	69	50	86	1.41	1.33	1.23	1.06	0.76	0.48		0.90	0.25	0.76	1.26	1.51					
	3.5	HZ-31116	S33	C	Commercial, Industrial	69	50	86	3.18	3.16	3.13	3.07	2.96	2.80		0.10	0.25	0.11	0.18	0.21					
	5	HZ-31116	S33	C	Grass, Annual or Perennial, Fair	79	62	93	3.06	2.94	2.76	1.06	0.55	0.16		1.00	0.25	1.50	2.50	3.00					
	6.7	HZ-31116	S33	B	Residential 2.5 acre lots	56	36	76	2.24	2.07	1.84	1.48	0.96	0.62		0.90	0.30	1.81	3.02	3.62					
	7.8	HZ-31116	S33	C	Woodland, Grass, Fair	77	59	92	4.52	4.31	4.02	1.41	0.68	0.14		1.00	0.25	2.34	3.90	4.68					
	10.8	HZ-31116	S33	C	Open Brush, Fair	77	59	92	6.26	5.97	5.57	1.95	0.94	0.20		1.00	0.25	3.24	5.40	6.48					
	13.8	HZ-31116	S33	B	Commercial, Industrial	56	36	76	12.25	12.16	12.05	11.84	11.43	10.90		0.10	0.30	0.41	0.69	0.83					
	21.5	HZ-31116	S33	B	Barren	86	72	97	15.76	15.33	14.73	7.63	5.12	2.64		1.00	0.30	6.44	10.73	12.87					
	36.6	HZ-31116	S33	C	Barren	91	80	98	30.23	29.72	28.97	18.45	14.17	9.35		1.00	0.25	10.98	18.30	21.96					
	0.5	S33-01	S33	A	Barren	78	61	93	0.30	0.29	0.27	0.10	0.05	0.01		1.00	0.40	0.15	0.25	0.30					
	22.6	S33-01	S33	A	Commercial, Industrial	32	17	52	19.58	19.49	19.36	19.14	18.65	17.90		0.10	0.40	0.68	1.13	1.36					
	4.7	S33-01	S33	A	Row Crops, Poor	72	53	89	2.34	2.21	2.02	0.54	0.19	0.00		1.00	0.40	1.41	2.35	2.82					
	2.9	S33-01	S33	A	Woodland, Grass, Fair	44	26	64	0.36	0.29	0.21	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74					
	0.2	S33-01	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.02		1.00	0.30	0.06	0.10	0.12					
	7.4	S33-01	S33	B	Commercial, Industrial	56	36	76	6.59	6.55	6.48	6.37	6.15	5.87		0.10	0.30	0.22	0.37	0.44					
	1	S33-01	S33	B	Row Crops, Poor	81	64	95	0.65	0.62	0.59	0.25	0.14	0.05		1.00	0.30	0.30	0.50	0.60					
	1.4	S33-01	S33	C	Commercial, Industrial	69	50	86	1.27	1.26	1.25	1.23	1.18	1.12		1.00	0.25	0.04	0.07	0.08					
	15.6	S33-01	S33	C	Open Brush, Fair	77	59	92	9.04	8.62	8.04	2.82	1.36	0.29		1.00	0.25	4.68	7.80	9.36					
	0.1	S33-01	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04					
	5.3	S33-01	S33	C	Row Crops, Poor	88	75	98	4.08	3.99	3.86	2.18	1.54	0.89		1.00	0.25	1.59	2.65	3.18					
	1.2	S33-02	S33	A	Barren	78	61	93	0.72	0.68	0.64	0.23	0.12	0.03		1.00	0.40	0.36	0.60	0.72					
	0.6	S33-02	S33	A	Row Crops, Poor	72	53	89	0.30	0.28	0.26	0.07	0.02	0.00		1.00	0.40	0.18	0.30	0.36					
	0.9	S33-02	S33	C	Barren	91	80	98	0.74	0.73	0.71	0.45	0.35	0.23		1.00	0.25	0.27	0.45	0.54					
	4.8	S33-02	S33	C	Open Brush, Fair	77	59	92	2.78	2.65	2.48	0.87	0.42	0.09		1.00	0.25	1.44	2.40	2.88					
	1.9	S33-02	S33	C	Row Crops, Poor	88	75	98	1.46	1.43	1.38	0.78	0.55	0.32		1.00	0.25	0.57	0.95	1.14					
	0.2	S33-05.5	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.02		1.00	0.30	0.06	0.10	0.12					
	0.5	S33-05.5	S33	B	Row Crops, Poor	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.30	0.15	0.25	0.30					
	1.1	S33-05.5	S33	B	Woodland, Grass, Fair	65	45	83	0.43	0.40	0.35	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.66					
	0.3	S33-05.5	S33	C	Barren	91	80	98	0.25	0.24	0.24	0.15	0.12	0.08		1.00	0.25	0.09	0.15	0.18					
	1.1	S33-05.5	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.67	0.65	0.61	0.23	0.12	0.03		1.00	0.25	0.33	0.55	0.66					
	3.5	S33-05.5	S33	C	Open Brush, Fair	77	59	92	2.03	1.93	1.80	0.63	0.30	0.06		1.00	0.25	1.05	1.75	2.10					
	1.4	S33-05.5	S33	C	Row Crops, Poor	88	75	98	1.08	1.05	1.02	0.57	0.41	0.23		1.00	0.25	0.42	0.70	0.84					
	4.8	S33-05.5	S33	D	Open Brush, Fair	83	67	96	3.27	3.16	3.01	1.38	0.84	0.36		1.00	0.20	1.44	2.40	2.88					
	0.9	S33-05.5	S33	D	Row Crops, Poor	91	80	98	0.74	0.73	0.71	0.45	0.35	0.23		1.00	0.20	0.27	0.45	0.54					
	1.7	S33-05.6	S33	B	Barren	86	72	97	1.25	1.22	1.17	0.60	0.41	0.21		1.00	0.30	0.51	0.85	1.02					
	0.6	S33-05.6	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.27	0.25	0.23	0.05	0.01	0.00		1.00	0.30	0.18	0.30	0.36					
	0.1	S33-05.6	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06					
	0.4	S33-05.6	S33	B	Woodland, Grass, Fair	65	45	83	0.16	0.14	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24					
	2.2	S33-05.6	S33	C	Barren	91	80	98	1.82	1.79	1.74	1.11	0.85	0.56		1.00	0.25	0.66	1.10	1.32					
	4.2	S33-05.6	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.57	2.47	2.32	0.89	0.47	0.13		1.00	0.25	1.26	2.10	2.52					
	8.1	S33-05.6	S33	C	Open Brush, Fair	77	59	92	4.69	4.48	4.18	1.46	0.71	0.15		1.00	0.25	2.43	4.05	4.86					
	2.3	S33-05.6	S33	C	Woodland, Grass, Fair	77	59	92	1.33	1.27	1.19	0.42	0.20	0.04		1.00	0.25	0.69	1.15	1.38					
	0.2	S33-05.6	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.14	0.14	0.13	0.06	0.04	0.02		1.00	0.20	0.06	0.10	0.12					
	6.9	S33-05.6	S33	D	Open Brush, Fair	83	67	96	4.70	4.55	4.33	1.98	1.21	0.51		1.00	0.20	2.07	3.45	4.14					
	0.7	S33-05.6	S33	D	Woodland, Grass, Fair	82	66	95	0.46	0.45	0.43	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42					
	0.4	S33-06	S33	B	Barren	86	72																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III					AMC 1/AMCII										
																					HC	All	
PA3 Line A	5.3	OA-3	S33	C	Open Brush, Fair	77	59	92	3.07	2.93	2.73	0.96	0.46	0.10		1.00	0.25	1.59	2.65	3.18			
PA3 Line A	0.3	OA-3	S33	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
PA3 Line A	3.4	A-16	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.98	2.93	2.83	2.69		0.10	0.30	0.10	0.17	0.20			
PA3 Line A	11	A-16	S33	C	Commercial, Industrial	69	50	86	10.00	9.94	9.84	9.66	9.30	8.81		0.10	0.25	0.33	0.55	0.66			
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.95	0.90	0.84	0.73	0.55	0.38		0.85	0.25	0.46	0.77	0.92			
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.57	0.41	0.26		0.90	0.25	0.41	0.68	0.81			
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.94	2.92	2.89	2.84	2.74	2.59		0.10	0.20	0.10	0.16	0.19			
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.76	2.74	2.72	2.67	2.58	2.46		0.10	0.30	0.09	0.16	0.19			
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.52	0.48	0.44	0.37	0.26	0.19		0.85	0.30	0.36	0.60	0.71			
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.37	0.34	0.30	0.24	0.16	0.10		0.90	0.30	0.30	0.50	0.59			
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.64	4.61	4.56	4.48	4.31	4.09		0.10	0.25	0.15	0.26	0.31			
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	1.00	0.95	0.89	0.78	0.58	0.40		0.85	0.25	0.48	0.81	0.97			
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.81	1.71	1.58	1.36	0.98	0.62		0.90	0.25	0.97	1.62	1.94			
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.48	2.46	2.44	2.40	2.31	2.18		0.10	0.20	0.08	0.14	0.16			
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27			
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07			
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.27	3.25	3.22	3.16	3.04	2.88		0.10	0.25	0.11	0.18	0.22			
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	2.7	A-20	S33	C	Residential 10+ dwellings/acre	69	50	86	2.32	2.29	2.26	2.20	2.09	1.95		0.20	0.25	0.16	0.27	0.32			
PA3 Line A	1.4	A-20	S33	C	Residential 2.5 acre lots	69	50	86	0.70	0.67	0.61	0.53	0.38	0.24		0.90	0.25	0.38	0.63	0.76			
PA3 Line A	0.1	A-20	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	1.3	A-20	S33	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.11	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16			
PA3 Line A	0.2	A-20	S33	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11			
PA3 Line A	5.4	A-21	S33	C	Residential 10+ dwellings/acre	69	50	86	4.64	4.59	4.52	4.40	4.18	3.90		0.20	0.25	0.32	0.54	0.65			
PA3 Line A	2.4	A-21	S33	C	Residential 2.5 acre lots	69	50	86	1.21	1.14	1.05	0.90	0.65	0.41		0.90	0.25	0.65	1.08	1.30			
PA3 Line A	0.7	A-21	S33	C	Commercial, Industrial	69	50	86	0.64	0.63	0.63	0.61	0.59	0.56		0.10	0.25	0.02	0.04	0.04			
PA3 Line A	0.6	A-21	S33	D	Residential 2.5 acre lots	75	57	91	0.35	0.34	0.32	0.28	0.21	0.14		0.90	0.20	0.16	0.27	0.32			
PA3 Line A	7.6	A-22	S33	C	Apartments	69	50	86	6.52	6.46	6.36	6.20	5.88	5.49		0.20	0.25	0.46	0.76	0.91			
PA3 Line A	1.4	A-22	S33	C	Commercial, Industrial	69	50	86	1.27	1.26	1.25	1.23	1.18	1.12		0.10	0.25	0.04	0.07	0.08			
PA3 Line A	2.3	A-22	S33	C	Residential 10+ dwellings/acre	69	50	86	1.97	1.95	1.93	1.88	1.78	1.66		0.20	0.25	0.14	0.23	0.28			
PA3 Line A	6.5	A-22	S33	C	Residential 2.5 acre lots	69	50	86	3.27	3.09	2.85	2.45	1.76	1.11		0.90	0.25	1.76	2.93	3.51			
PA3 Line A	8.4	A-22	S33	C	Residential 3-4 dwellings/acre	69	50	86	5.50	5.34	5.12	4.74	4.09	3.42		0.60	0.25	1.51	2.52	3.02			
PA3 Line A	0.5	A-22	S33	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-22	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
PA3 Line A	1.1	A-22	S33	D	Public Park	75	57	91	0.67	0.64	0.61	0.54	0.43	0.30		0.85	0.20	0.28	0.47	0.56			
PA3 Line A	2	A-22	S33	D	Residential 10+ dwellings/acre	75	57	91	1.75	1.74	1.71	1.67	1.59	1.48		0.20	0.20	0.12	0.20	0.24			
PA3 Line A	3.8	A-22	S33	D	Residential 2.5 acre lots	75	57	91	2.23	2.14	2.01	1.77	1.36	0.92		0.90	0.20	1.03	1.71	2.05			
PA3 Line A	3.8	A-22	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.71	2.64	2.54	2.37	2.07	1.73		0.60	0.20	0.68	1.14	1.37			
PA3 Line A	0.1	A-23	S33	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
PA3 Line A	1.6	A-23	S33	C	Commercial, Industrial	69	50	86	1.46	1.45	1.43	1.41	1.35	1.28		0.10	0.25	0.05	0.08	0.10			
PA3 Line A	0.2	A-23	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	0.3	A-23	S33	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
PA3 Line A	2.1	A-23	S33	D	Commercial, Industrial	75	57	91	1.93	1.92	1.90	1.87	1.80	1.70		0.10	0.20	0.06	0.11	0.13			
PA3 Line A	0.6	A-23	S33	D	Public Park	75	57	91	0.37	0.35	0.33	0.30	0.23	0.17		0.85	0.20	0.15	0.26	0.31			
PA3 Line A	0.2	A-23	S33	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
PA3 Line A	0.5	A-25	S33	C	Apartments	69	50	86	0.43	0.42	0.42	0.41	0.39	0.36		0.20	0.25	0.03	0.05	0.06			
PA3 Line A	1.2	A-25	S33	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07			
PA3 Line A	1.2	A-25	S33	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.33	0.21		0.90	0.25	0.32	0.54	0.65			
PA3 Line A	0.1	A-25	S33	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
PA3 Line A	1.6	A-25	S33	D	Commercial, Industrial	75	57	91	1.47	1.46	1.45	1.42	1.37	1.29		0.10	0.20	0.05	0.08	0.10			
PA3 Line A	3	A-25	S33	D	Residential 2.5 acre lots	75	57	91	1.76	1.69	1.58	1.40	1.07	0.72		0.90	0.20	0.81	1.35	1.62			
PA3 Line A	1.9	A-25.1	S33	C	Apartments	69	50	86	1.63	1.61	1.59	1.55	1.47	1.37		0.20	0.25	0.11	0.19	0.23			
PA3 Line A	0.6	A-25.1	S33	C	Residential 2.5 acre lots	69	50	86	0.30	0.29	0.26	0.23	0.16	0.10		0.90	0.25	0.16	0.27	0.32			
PA3 Line A	0.3	A-25.1	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11			
PA3 Line A	5	A-25.1	S33	D	Apartments	75	57	91	4.39	4.35	4.29	4.18	3.96	3.69		0.20	0.20	0.30	0.50	0.60			
PA3 Line A	2.3	A-25.1	S33	D	Public Park	75	57	91	1.40	1.34	1.27	1.13	0.89	0.64		0.85	0.20	0.59	0.98	1.17			
PA3 Line A	3.5	A-25.1	S33	D	Residential 2.5 acre lots	75	57	91	2.06	1.97	1.85	1.63	1.25	0.85		0.90	0.20	0.95	1.58	1.89			
PA3 Line A	10.2	A-25.1	S33	D	Residential 3-4 dwellings/acre	75	57	91	7.26	7.08	6.82	6.37	5.55	4.63		0.60	0.20	1.84	3.06	3.67			
PA3 Line A	5.9	A-26	S33	C	Apartments	69	50	86	5.07	5.01	4.94	4.81	4.56	4.26		0.20	0.25	0.35	0.59	0.71			
PA3 Line A	0.1	A-26	S33	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
PA3 Line A	0.6	A-26	S33	C	Residential 2.5 acre lots	69</																	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														

PA3 Line A	0.8	A-27	S33	C	Public Park	69	50	86	0.42	0.40	0.37	0.33	0.25	0.17		0.85	0.25	0.20	0.34	0.41
PA3 Line A	4.1	A-27	S33	C	Residential 2.5 acre lots	69	50	86	2.06	1.95	1.80	1.54	1.11	0.70		0.90	0.25	1.11	1.85	2.21
PA3 Line A	1.2	A-27	S33	D	Commercial, Industrial	75	57	91	1.10	1.10	1.09	1.07	1.03	0.97		0.10	0.20	0.04	0.06	0.07
PA3 Line A	1.5	A-27	S33	D	Public Park	75	57	91	0.91	0.88	0.83	0.74	0.58	0.42		0.85	0.20	0.38	0.64	0.77
PA3 Line A	0.1	A-27	S33	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05
PA3 Line A	1	A-28	S33	B	Commercial, Industrial	56	36	76	0.89	0.88	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06
PA3 Line A	1.3	A-28	S33	C	Commercial, Industrial	69	50	86	1.18	1.17	1.16	1.14	1.10	1.04		0.10	0.25	0.04	0.07	0.08
PA3 Line A	12.6	A-28	S33	D	Commercial, Industrial	75	57	91	11.58	11.50	11.39	11.19	10.77	10.19		0.10	0.20	0.38	0.63	0.76
PA3 Line A	1.1	A-28	S33	D	Public Park	75	57	91	0.67	0.64	0.61	0.54	0.43	0.30		0.85	0.20	0.28	0.47	0.56
PA3 Line A	0.1	A-28	S33	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01
PA3 Line A	2.1	A-28	S33	D	Residential 2.5 acre lots	75	57	91	1.23	1.18	1.11	0.98	0.75	0.51		0.90	0.20	0.57	0.95	1.13
PA3 Line A	2.2	A-29	S33	C	Commercial, Industrial	69	50	86	2.00	1.99	1.97	1.93	1.86	1.76		0.10	0.25	0.07	0.11	0.13
PA3 Line A	0.4	A-29	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22
PA3 Line A	0.6	A-30	S33	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04
PA3 Line A	0.6	A-30	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.19	0.16	0.13	0.09	0.06		0.90	0.30	0.16	0.27	0.32
PA3 Line A	1.8	A-30	S33	C	Commercial, Industrial	69	50	86	1.64	1.63	1.61	1.58	1.52	1.44		0.10	0.25	0.05	0.09	0.11
PA3 Line A	1.4	A-30	S33	C	Residential 2.5 acre lots	69	50	86	0.70	0.67	0.61	0.53	0.38	0.24		0.90	0.25	0.38	0.63	0.76
PA3 Line A	0.8	A-30	S33	D	Commercial, Industrial	75	57	91	0.74	0.73	0.72	0.71	0.68	0.65		0.10	0.20	0.02	0.04	0.05
PA3 Line A	1.6	A-30	S33	D	Residential 2.5 acre lots	75	57	91	0.94	0.90	0.84	0.75	0.57	0.39		0.90	0.20	0.43	0.72	0.86
PA3 Line A	2.5	A-31	S33	B	Commercial, Industrial	56	36	76	2.23	2.21	2.19	2.15	2.08	1.98		0.10	0.30	0.08	0.13	0.15
PA3 Line A	0.3	A-31	S33	B	Public Park	56	36	76	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.30	0.08	0.13	0.15
PA3 Line A	0.1	A-31	S33	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01
PA3 Line A	0.1	A-31	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05
PA3 Line A	1.5	A-31	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.82	0.79	0.75	0.69	0.60	0.53		0.60	0.30	0.27	0.45	0.54
PA3 Line A	0.2	A-31	S33	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06
PA3 Line A	2.9	A-31	S33	B	Residential 8-10 dwellings/acre	56	36	76	1.98	1.94	1.89	1.80	1.66	1.54		0.40	0.30	0.35	0.58	0.70
PA3 Line A	4.7	A-31	S33	C	Commercial, Industrial	69	50	86	4.27	4.25	4.20	4.13	3.97	3.77		0.10	0.25	0.14	0.24	0.28
PA3 Line A	1.3	A-31	S33	C	Public Park	69	50	86	0.69	0.65	0.61	0.53	0.40	0.27		0.85	0.25	0.33	0.55	0.66
PA3 Line A	0.9	A-31	S33	C	Residential 10+ dwellings/acre	69	50	86	0.77	0.76	0.75	0.73	0.70	0.65		0.20	0.25	0.05	0.09	0.11
PA3 Line A	0.1	A-31	S33	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05
PA3 Line A	3.8	A-31	S33	C	Residential 3-4 dwellings/acre	69	50	86	2.49	2.42	2.32	2.15	1.85	1.55		0.60	0.25	0.68	1.14	1.37
PA3 Line A	4.4	A-31	S33	C	Residential 5-7 dwellings/acre	69	50	86	3.11	3.03	2.93	2.76	2.46	2.14		0.50	0.25	0.66	1.10	1.32
PA3 Line A	0.7	A-31	S33	C	Residential 8-10 dwellings/acre	69	50	86	0.53	0.52	0.51	0.48	0.44	0.40		0.40	0.25	0.08	0.14	0.17
PA3 Line A	5	A-31	S33	D	Commercial, Industrial	75	57	91	4.59	4.56	4.52	4.44	4.27	4.05		0.10	0.20	0.15	0.25	0.30
PA3 Line A	0.1	A-31	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05
PA3 Line A	10.3	A-31	S33	D	Residential 10+ dwellings/acre	75	57	91	9.04	8.95	8.83	8.61	8.16	7.60		0.20	0.20	0.62	1.03	1.24
PA3 Line A	0.1	A-31	S33	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05
PA3 Line A	1.3	A-31	S33	D	Residential 3-4 dwellings/acre	75	57	91	0.93	0.90	0.87	0.81	0.71	0.59		0.60	0.20	0.23	0.39	0.47
PA3 Line A	3.9	A-31	S33	D	Residential 5-7 dwellings/acre	75	57	91	2.94	2.88	2.79	2.64	2.36	2.05		0.50	0.20	0.59	0.98	1.17
PA3 Line A	2.3	A-31	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.83	1.80	1.76	1.68	1.54	1.37		0.40	0.20	0.28	0.46	0.55
PA3 Line A	1.3	A-32	S33	B	Commercial, Industrial	56	36	76	1.16	1.15	1.14	1.12	1.08	1.03		0.10	0.30	0.04	0.07	0.08
PA3 Line A	1.2	A-32	S33	B	Residential 2.5 acre lots	56	36	76	0.40	0.37	0.33	0.27	0.17	0.11		0.90	0.30	0.32	0.54	0.65
PA3 Line A	0.1	A-32	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.05	0.05	0.05	0.05	0.04	0.04		0.60	0.30	0.02	0.03	0.04
PA3 Line A	1.3	A-32	S33	C	Commercial, Industrial	69	50	86	1.18	1.17	1.16	1.14	1.10	1.04		0.10	0.25	0.04	0.07	0.08
PA3 Line A	0.1	A-32	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05
PA3 Line A	3	A-32	S33	C	Residential 2.5 acre lots	69	50	86	1.51	1.43	1.32	1.13	0.81	0.51		0.90	0.25	0.81	1.35	1.62
PA3 Line A	2.5	A-32	S33	C	Residential 3-4 dwellings/acre	69	50	86	1.64	1.59	1.52	1.41	1.22	1.02		0.60	0.25	0.45	0.75	0.90
PA3 Line A	0.8	A-32	S33	D	Commercial, Industrial	75	57	91	0.74	0.73	0.72	0.71	0.68	0.65		0.10	0.20	0.02	0.04	0.05
PA3 Line A	1.3	A-32	S33	D	Residential 2.5 acre lots	75	57	91	0.76	0.73	0.69	0.61	0.46	0.31		0.90	0.20	0.35	0.59	0.70
PA3 Line A	3.3	A-32	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.35	2.29	2.21	2.06	1.79	1.50		0.60	0.20	0.59	0.99	1.19
PA3 Line A	1.5	OA-4	S33	C	Open Brush, Fair	77	59	92	0.87	0.83	0.77	0.27	0.13	0.03		1.00	0.25	0.45	0.75	0.90
PA3 Line A	0.4	OA-4	S33	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24
PA3 Line A	4.9	OA-5	S33	C	Open Brush, Fair	77	59	92	2.84	2.71	2.53	0.89	0.43	0.09		1.00	0.25	1.47	2.45	2.94
PA3 Line A	2.4	OA-5	S33	C	Woodland, Grass, Fair	77	59	92	1.39	1.33	1.24	0.43	0.21	0.04		1.00	0.25	0.72	1.20	1.44
PA3 Line A	5.1	OA-6	S33	C	Open Brush, Fair	77	59	92	2.95	2.82	2.63	0.92	0.44	0.09		1.00	0.25	1.53	2.55	3.06
PA3 Line A	4	OA-6	S33	C	Woodland, Grass, Fair	77	59	92	2.32	2.21	2.06	0.72	0.35	0.07		1.00	0.25	1.20	2.00	2.40
PA3 Line A	0.3	OA-7	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.16	0.16	0.14	0.05	0.02	0.00		1.00	0.25	0.09	0.15	0.18
PA3 Line A	5.7	OA-7	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	3.69	3.55	3.36	1.40	0.80	0.28		1.00	0.25	1.71	2.85	3.42
PA3 Line A	3.4	OA-7	S33	C	Open Brush, Fair	77	59	92	1.97	1.88	1.75	0.61	0.30	0.06		1.00	0.25	1.02	1.70	2.04
PA3 Line A	0.1	OA-7	S33	C	Woodland, Grass, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06
PA3 Line A	2.1	OA-7	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	1.54	1.50	1.44	0.75	0.50	0.26		1.00	0.20	0.63	1.05	1.26
PA3 Line A	1.6	OA-7	S33	D	Open Brush, Fair	83	67	96	1.09	1.05	1.00	0.46	0.28	0.12		1.00	0.20	0.48	0.80	0.96
PA3 Line A	0.2	OA-7	S33	D	Woodland, Grass, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100												
						AMC			P ₂₄ (Inches)															
						II	I	III	AMC 1/AMCI					5.63										
PA3 Line A	4.5	OA-9	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.91	2.80	2.65	1.11	0.63	0.22		1.00	0.20	1.35	2.25	2.70				
PA3 Line A	1.3	OA-9	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	0.95	0.93	0.89	0.46	0.31	0.16		1.00	0.20	0.39	0.65	0.78				
PA3 Line A	3.7	OA-9	S33	D	Open Brush, Fair	83	67	96	2.52	2.44	2.32	1.06	0.65	0.27		1.00	0.20	1.11	1.85	2.22				
PA3 Line A	1.6	A-33	S33	B	Fallow	86	72	97	1.18	1.14	1.10	0.57	0.38	0.20		1.00	0.30	0.48	0.80	0.96				
PA3 Line A	1.3	A-33	S33	B	Open Brush, Fair	66	46	84	0.53	0.49	0.44	0.07	0.01	0.00		1.00	0.30	0.39	0.65	0.78				
PA3 Line A	2.6	A-33	S33	B	Residential 2.5 acre lots	56	36	76	0.87	0.80	0.71	0.58	0.37	0.24		0.90	0.30	0.70	1.17	1.40				
PA3 Line A	1.9	A-33	S33	B	Woodland, Grass, Fair	65	45	83	0.74	0.69	0.61	0.08	0.01	0.00		1.00	0.30	0.57	0.95	1.14				
PA3 Line A	0.7	A-33	S33	C	Fallow	91	80	98	0.58	0.57	0.55	0.35	0.27	0.18		1.00	0.25	0.21	0.35	0.42				
PA3 Line A	0.8	A-33	S33	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48				
PA3 Line A	0.1	A-33	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05				
PA3 Line A	1.5	A-33	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.57	0.41	0.26		0.90	0.25	0.41	0.68	0.81				
PA3 Line A	0.4	A-33	S33	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24				
PA3 Line A	0.1	A-33	S33	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06				
PA3 Line A	0.3	A-33	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16				
	0.80	B1	S34	D	Commercial, Industrial	75	57	91	0.74	0.73	0.72	0.71	0.68	0.65		0.10	0.20	0.02	0.04	0.05				
	1.00	B10	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.75	0.74	0.72	0.68	0.61	0.53		0.50	0.20	0.15	0.25	0.30				
	0.10	B10	S34	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01				
	0.10	B10	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02				
	0.50	B11	S34	C	Residential 10+ dwellings/acre	69	50	86	0.43	0.42	0.42	0.41	0.39	0.36		0.20	0.25	0.03	0.05	0.06				
	0.20	B11	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06				
	0.30	B11	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02				
	3.30	B11	S34	C	Condominiums	69	50	86	2.58	2.54	2.48	2.38	2.20	1.99		0.35	0.25	0.35	0.58	0.69				
	0.20	B11	S34	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02				
	0.40	B11	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.30	0.30	0.29	0.27	0.24	0.21		0.50	0.20	0.06	0.10	0.12				
	3.40	B11	S34	D	Commercial, Industrial	75	57	91	3.12	3.10	3.07	3.02	2.91	2.75		0.10	0.20	0.10	0.17	0.20				
	8.10	B11	S34	D	Condominiums	75	57	91	6.61	6.51	6.37	6.13	5.66	5.12		0.35	0.20	0.85	1.42	1.70				
	8.00	B12	S34	C	Residential 5-7 dwellings/acre	69	50	86	5.65	5.52	5.33	5.02	4.47	3.89		0.50	0.25	1.20	2.00	2.40				
	6.40	B12	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.82	4.72	4.58	4.34	3.88	3.36		0.50	0.20	0.96	1.60	1.92				
	1.20	B13	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.85	0.83	0.80	0.75	0.67	0.58		0.50	0.25	0.18	0.30	0.36				
	2.80	B13	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.11	2.07	2.00	1.90	1.70	1.47		0.50	0.20	0.42	0.70	0.84				
	0.80	B14	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.49	0.48	0.46	0.43	0.39	0.35		0.50	0.30	0.12	0.20	0.24				
	4.10	B14	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.89	2.83	2.73	2.57	2.29	1.99		0.50	0.25	0.62	1.03	1.23				
	0.70	B14	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.53	0.52	0.50	0.47	0.42	0.37		0.50	0.20	0.11	0.18	0.21				
	0.90	B15	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.55	0.54	0.52	0.49	0.44	0.40		0.50	0.30	0.14	0.23	0.27				
	4.10	B15	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.89	2.83	2.73	2.57	2.29	1.99		0.50	0.25	0.62	1.03	1.23				
	2.50	B15	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.88	1.84	1.79	1.69	1.51	1.31		0.50	0.20	0.38	0.63	0.75				
	0.20	B16	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.12	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06				
	1.00	B16	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.71	0.69	0.67	0.63	0.56	0.49		0.50	0.25	0.15	0.25	0.30				
	1.00	B16	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.75	0.74	0.72	0.68	0.61	0.53		0.50	0.20	0.15	0.25	0.30				
	3.50	B17	S34	B	Residential 5-7 dwellings/acre	56	36	76	2.15	2.09	2.01	1.89	1.71	1.55		0.50	0.30	0.53	0.88	1.05				
	6.90	B17	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.87	4.76	4.60	4.33	3.85	3.35		0.50	0.25	1.04	1.73	2.07				
	0.20	B17	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.11		0.50	0.20	0.03	0.05	0.06				
	0.30	B18	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.18	0.18	0.17	0.16	0.15	0.13		0.50	0.30	0.05	0.08	0.09				
	0.40	B18	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.32	0.31	0.31	0.29	0.27	0.24		0.40	0.20	0.05	0.08	0.10				
	0.10	B19	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03				
	0.30	B19	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.20	0.20	0.20	0.19	0.17	0.16		0.40	0.30	0.04	0.06	0.07				
	0.60	B19	S34	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04				
	0.70	B19	S34	B	Open Brush, Fair	66	46	84	0.28	0.26	0.24	0.04	0.00	0.00		1.00	0.30	0.21	0.35	0.42				
	0.30	B19	S34	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18				
	0.90	B19	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.72	0.70	0.69	0.66	0.60	0.54		0.40	0.20	0.11	0.18	0.22				
	0.40	B19	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02				
	0.20	B19	S34	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.04	0.01		1.00	0.20	0.06	0.10	0.12				
	0.20	B2	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02				
	1.30	B2	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08				
	0.30	B2	S34	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18				
	4.90	B20	S34	B	Residential 5-7 dwellings/acre	56	36	76	3.00	2.92	2.82	2.65	2.39	2.17		0.50	0.30	0.74	1.23	1.47				
	3.60	B20	S34	B	Residential 8-10 dwellings/acre	56	36	76	2.46	2.41	2.34	2.24	2.06	1.91		0.40	0.30	0.43	0.72	0.86				
	18.40	B20	S34	C	Residential 5-7 dwellings/acre	69	50	86	12.99	12.68	12.27	11.55	10.27	8.95		0.50	0.25	2.76	4.60	5.52				
	4.30	B20	S34	C	Residential 8-10 dwellings/acre	69	50	86	3.25	3.19	3.11	2.97	2.71	2.43		0.40	0.25	0.52	0.86	1.03				
	0.50	B20	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.38	0.37	0.36	0.34	0.30	0.26		0.50	0.20	0.08	0.13	0.15				
	6.90	B20	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.48	5.39	5.27	5.04	4.61	4.11		0.40	0.20	0.83	1.38	1.66				
	0.40	B21	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.27	0.27	0.26	0.25	0.23	0.21		0.40	0.30	0.05	0.08	0.10				
	0.40	B21	S34	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02				
	0.30	B21	S34	B	Open Brush, Fair	66	46	84	0.12	0.11														

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100									
						AMC			P ₂₄ (Inches)							5.63								
						II	I	III							AMC 1/AMCII									
	0.30	B22	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07				
	0.10	B22	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01				
	0.30	B22	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09				
	1.40	B22	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.11	1.09	1.07	1.02	0.94	0.83		0.40	0.20	0.17	0.28	0.34				
	0.10	B23	S34	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01				
	0.70	B23	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04				
	0.60	B24	S34	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07				
	0.10	B24	S34	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01				
	3.70	B24	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.16	2.99		0.10	0.20	0.11	0.19	0.22				
	0.30	B24	S34	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15				
	11.50	B25	S34	D	Residential 10+ dwellings/acre	75	57	91	10.09	9.99	9.86	9.61	9.11	8.49		0.20	0.20	0.69	1.15	1.38				
	2.90	B25	S34	D	Apartments	75	57	91	2.54	2.52	2.49	2.42	2.30	2.14		0.20	0.20	0.17	0.29	0.35				
	0.70	B25	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04				
	2.60	B25	S34	D	Public Park	75	57	91	1.58	1.52	1.43	1.28	1.01	0.72		0.85	0.20	0.66	1.11	1.33				
	0.90	B26	S34	C	Residential 10+ dwellings/acre	69	50	86	0.77	0.76	0.75	0.73	0.70	0.65		0.20	0.25	0.05	0.09	0.11				
	0.30	B26	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02				
	6.40	B26	S34	D	Residential 10+ dwellings/acre	75	57	91	5.62	5.56	5.49	5.35	5.07	4.72		0.20	0.20	0.38	0.64	0.77				
	3.70	B26	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.35	3.29	3.16	2.99		0.10	0.20	0.11	0.19	0.22				
	0.70	B26	S34	D	Condominiums	75	57	91	0.57	0.56	0.55	0.53	0.49	0.44		0.35	0.20	0.07	0.12	0.15				
	2.20	B27	S34	C	Residential 10+ dwellings/acre	69	50	86	1.89	1.87	1.84	1.79	1.70	1.59		0.20	0.25	0.13	0.22	0.26				
	0.10	B27	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03				
	0.30	B27	S34	C	Condominiums	69	50	86	0.23	0.23	0.23	0.22	0.20	0.18		0.35	0.25	0.03	0.05	0.06				
	6.80	B27	S34	D	Residential 10+ dwellings/acre	75	57	91	5.97	5.91	5.83	5.68	5.39	5.02		0.20	0.20	0.41	0.68	0.82				
	0.10	B27	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03				
	2.00	B27	S34	D	Condominiums	75	57	91	1.63	1.61	1.57	1.51	1.40	1.26		0.35	0.20	0.21	0.35	0.42				
	6.40	B28	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.52	4.41	4.27	4.02	3.57	3.11		0.50	0.25	0.96	1.60	1.92				
	0.90	B28	S34	C	Condominiums	69	50	86	0.70	0.69	0.68	0.65	0.60	0.54		0.35	0.25	0.09	0.16	0.19				
	5.20	B28	S34	D	Residential 5-7 dwellings/acre	75	57	91	3.92	3.84	3.72	3.52	3.15	2.73		0.50	0.20	0.78	1.30	1.56				
	0.80	B28	S34	D	Condominiums	75	57	91	0.65	0.64	0.63	0.61	0.56	0.51		0.35	0.20	0.08	0.14	0.17				
	2.90	B29	S34	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.46	2.43	2.36	2.24	2.10		0.20	0.25	0.17	0.29	0.35				
	2.90	B29	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.05	2.00	1.93	1.82	1.62	1.41		0.50	0.25	0.44	0.73	0.87				
	6.30	B29	S34	D	Residential 10+ dwellings/acre	75	57	91	5.53	5.48	5.40	5.26	4.99	4.65		0.20	0.20	0.38	0.63	0.76				
	6.00	B29	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.52	4.43	4.30	4.07	3.64	3.15		0.50	0.20	0.90	1.50	1.80				
	1.40	B2A	S34	D	Commercial, Industrial	75	57	91	1.29	1.28	1.27	1.24	1.20	1.13		0.10	0.20	0.04	0.07	0.08				
	0.50	B3	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.38	0.37	0.36	0.34	0.30	0.26		0.50	0.20	0.08	0.13	0.15				
	2.40	B3	S34	D	Commercial, Industrial	75	57	91	2.21	2.19	2.17	2.13	2.05	1.94		0.10	0.20	0.07	0.12	0.14				
	1.30	B3	S34	D	Open Brush, Fair	83	67	96	0.89	0.86	0.82	0.37	0.23	0.10		1.00	0.20	0.39	0.65	0.78				
	2.90	B30	S34	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.46	2.43	2.36	2.24	2.10		0.20	0.25	0.17	0.29	0.35				
	1.60	B30	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.13	1.10	1.07	1.00	0.89	0.78		0.50	0.25	0.24	0.40	0.48				
	0.60	B31	S34	D	Apartments	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07				
	0.20	B32	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02				
	5.90	B32	S34	D	Commercial, Industrial	75	57	91	5.42	5.39	5.34	5.24	5.04	4.77		0.10	0.20	0.18	0.30	0.35				
	14.90	B33	S34	D	Commercial, Industrial	75	57	91	13.69	13.60	13.47	13.23	12.74	12.06		0.10	0.20	0.45	0.75	0.89				
	0.10	B34	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02				
	0.20	B34	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02				
	1.80	B34	S34	D	Commercial, Industrial	75	57	91	1.65	1.64	1.63	1.60	1.54	1.46		0.10	0.20	0.05	0.09	0.11				
	0.40	B35	S34	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02				
	0.10	B35	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02				
	1.30	B35	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08				
	9.40	B36	S34	D	Residential 8-10 dwellings/acre	75	57	91	7.47	7.35	7.17	6.86	6.28	5.60		0.40	0.20	1.13	1.88	2.26				
	0.70	B37	S34	D	Residential 10+ dwellings/acre	75	57	91	0.61	0.61	0.60	0.58	0.55	0.52		0.20	0.20	0.04	0.07	0.08				
	2.50	B37	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.99	1.95	1.91	1.83	1.67	1.49		0.40	0.20	0.30	0.50	0.60				
	1.70	B38	S34	D	Residential 10+ dwellings/acre	75	57	91	1.49	1.48	1.46	1.42	1.35	1.25		0.20	0.20	0.10	0.17	0.20				
	1.60	B38	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.27	1.25	1.22	1.17	1.07	0.95		0.40	0.20	0.19	0.32	0.38				
	1.40	B39	S34	D	Residential 10+ dwellings/acre	75	57	91	1.23	1.22	1.20	1.17	1.11	1.03		0.20	0.20	0.08	0.14	0.17				
	7.10	B39	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.64	5.55	5.42	5.18	4.74	4.23		0.40	0.20	0.85	1.42	1.70				
	2.70	B39	S34	D	Apartments	75	57	91	2.37	2.35	2.31	2.26	2.14	1.99		0.20	0.20	0.16	0.27	0.32				
	1.10	B39	S34	D	Commercial, Industrial	75	57	91	1.01															

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														
	0.60	B41	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.48	0.47	0.46	0.44	0.40	0.36		0.40	0.20	0.07	0.12	0.14			
	8.40	B42	S34	D	Residential 10+ dwellings/acre	75	57	91	7.37	7.30	7.20	7.02	6.66	6.20		0.20	0.20	0.50	0.84	1.01			
	0.60	B42	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.45	0.44	0.43	0.41	0.36	0.32		0.50	0.20	0.09	0.15	0.18			
	2.10	B43	S34	D	Residential 10+ dwellings/acre	75	57	91	1.84	1.83	1.80	1.75	1.66	1.55		0.20	0.20	0.13	0.21	0.25			
	5.00	B44	S34	D	Residential 10+ dwellings/acre	75	57	91	4.39	4.35	4.29	4.18	3.96	3.69		0.20	0.20	0.30	0.50	0.60			
	5.30	B45	S34	D	Residential 10+ dwellings/acre	75	57	91	4.65	4.61	4.54	4.43	4.20	3.91		0.20	0.20	0.32	0.53	0.64			
	1.20	B46	S34	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.89		0.20	0.20	0.07	0.12	0.14			
	0.20	B46	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01			
	1.20	B46A	S34	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.89		0.20	0.20	0.07	0.12	0.14			
	0.70	B46A	S34	D	School	75	57	91	0.50	0.49	0.47	0.44	0.38	0.32		0.60	0.20	0.13	0.21	0.25			
	1.10	B47	S34	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.93	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13			
	1.20	B47	S34	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07			
	6.30	B47	S34	C	Public Park	69	50	86	3.33	3.16	2.94	2.57	1.94	1.33		0.85	0.25	1.61	2.68	3.21			
	4.60	B47	S34	C	School	69	50	86	3.01	2.93	2.80	2.60	2.24	1.87		0.60	0.25	0.83	1.38	1.66			
	1.60	B47	S34	D	Residential 10+ dwellings/acre	75	57	91	1.40	1.39	1.37	1.34	1.27	1.18		0.20	0.20	0.10	0.16	0.19			
	4.00	B47	S34	D	Commercial, Industrial	75	57	91	3.68	3.65	3.62	3.55	3.42	3.24		0.10	0.20	0.12	0.20	0.24			
	3.90	B47	S34	D	Public Park	75	57	91	2.37	2.28	2.15	1.92	1.51	1.08		0.85	0.20	0.99	1.66	1.99			
	10.80	B47	S34	D	School	75	57	91	7.69	7.50	7.22	6.75	5.87	4.91		0.60	0.20	1.94	3.24	3.89			
	1.40	B48	S34	C	Residential 10+ dwellings/acre	69	50	86	1.20	1.19	1.17	1.14	1.08	1.01		0.20	0.25	0.08	0.14	0.17			
	16.40	B48	S34	D	Residential 10+ dwellings/acre	75	57	91	14.39	14.25	14.06	13.70	13.00	12.11		0.20	0.20	0.98	1.64	1.97			
	1.30	B48	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	1.00	B49	S34	C	Residential 10+ dwellings/acre	69	50	86	0.86	0.85	0.84	0.82	0.77	0.72		0.20	0.25	0.06	0.10	0.12			
	2.00	B49	S34	C	Public Park	69	50	86	1.06	1.00	0.93	0.82	0.61	0.42		0.85	0.25	0.51	0.85	1.02			
	2.80	B49	S34	D	Residential 10+ dwellings/acre	75	57	91	2.46	2.43	2.40	2.34	2.22	2.07		0.20	0.20	0.17	0.28	0.34			
	1.50	B49	S34	D	Commercial, Industrial	75	57	91	1.38	1.37	1.36	1.33	1.28	1.21		0.10	0.20	0.05	0.08	0.09			
	0.10	B49	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	1.10	B49	S34	D	Public Park	75	57	91	0.67	0.64	0.61	0.54	0.43	0.30		0.85	0.20	0.28	0.47	0.56			
	0.10	B5	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03			
	0.50	B5	S34	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40		0.10	0.30	0.02	0.03	0.03			
	0.40	B5	S34	B	Open Brush, Fair	66	46	84	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	0.70	B5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.49	0.48	0.47	0.44	0.39	0.34		0.50	0.25	0.11	0.18	0.21			
	1.50	B5	S34	C	Commercial, Industrial	69	50	86	1.36	1.35	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09			
	0.80	B5	S34	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48			
	0.10	B50	S34	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
	1.70	B50	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.20	1.17	1.13	1.07	0.95	0.83		0.50	0.25	0.26	0.43	0.51			
	0.30	B50	S34	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15			
	0.80	B50	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.60	0.59	0.57	0.54	0.48	0.42		0.50	0.20	0.12	0.20	0.24			
	0.10	B50	S34	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05			
	0.30	B51	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09			
	0.20	B51	S34	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10			
	0.20	B51	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.11		0.50	0.20	0.03	0.05	0.06			
	0.10	B51	S34	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05			
	0.90	B52	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.55	0.54	0.52	0.49	0.44	0.40		0.50	0.30	0.14	0.23	0.27			
	0.30	B52	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.20	0.20	0.20	0.19	0.17	0.16		0.40	0.30	0.04	0.06	0.07			
	2.50	B52	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.76	1.72	1.67	1.57	1.40	1.22		0.50	0.25	0.38	0.63	0.75			
	0.70	B52	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.53	0.52	0.51	0.48	0.44	0.40		0.40	0.25	0.08	0.14	0.17			
	9.10	B52	S34	C	Condominiums	69	50	86	7.12	7.00	6.84	6.57	6.06	5.50		0.35	0.25	0.96	1.59	1.91			
	2.80	B52	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.11	2.07	2.00	1.90	1.70	1.47		0.50	0.20	0.42	0.70	0.84			
	1.60	B52	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.27	1.25	1.22	1.17	1.07	0.95		0.40	0.20	0.19	0.32	0.38			
	7.40	B52	S34	D	Condominiums	75	57	91	6.03	5.95	5.82	5.60	5.17	4.67		0.35	0.20	0.78	1.30	1.55			
	0.30	B52	S34	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15			
	0.10	B53	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02			
	0.30	B53	S34	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02			
	0.10	B53	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06		
	0.10	B53	S34	B	Public Park	56	36	76	0.04	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05		
	0.10	B53	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	1.30	B53	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.98	0.97	0.94	0.90	0.82	0.73		0.40	0.25	0.16	0.26	0.31			
	0.90	B53	S34	C	Commercial, Industrial	69	50	86	0.82	0.81	0.80	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05			
	0.40	B53	S34	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24			
	0.80	B53	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.64	0.63	0.61	0.58	0.53	0.48		0.40	0.20	0.10	0.16	0.19			
	0.40	B53	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	B53	S34	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.60	B54	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.41	0.40	0.39	0.37	0.34	0.32		0.40	0.30	0.07	0.12	0.14			
	0.30	B54	S34	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02			
	0.10	B54	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00</							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCII								
	0.10	B54	S34	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.10	B55	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03			
	0.70	B55	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.48	0.47	0.46	0.43	0.40	0.37		0.40	0.30	0.08	0.14	0.17			
	2.20	B55	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.55	1.52	1.47	1.38	1.23	1.07		0.50	0.25	0.33	0.55	0.66			
	1.80	B55	S34	C	Residential 8-10 dwellings/acre	69	50	86	1.36	1.34	1.30	1.24	1.13	1.02		0.40	0.25	0.22	0.36	0.43			
	0.20	B55	S34	C	Condominiums	69	50	86	0.16	0.15	0.15	0.14	0.13	0.12		0.35	0.25	0.02	0.04	0.04			
	3.20	B55	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.41	2.36	2.29	2.17	1.94	1.68		0.50	0.20	0.48	0.80	0.96			
	5.70	B55	S34	D	Residential 8-10 dwellings/acre	75	57	91	4.53	4.45	4.35	4.16	3.81	3.40		0.40	0.20	0.68	1.14	1.37			
	6.40	B56	S34	B	Open Brush, Fair	66	46	84	2.60	2.41	2.15	0.33	0.04	0.00		1.00	0.30	1.92	3.20	3.84			
	1.40	B56	S34	C	Open Brush, Fair	77	59	92	0.81	0.77	0.72	0.25	0.12	0.03		1.00	0.25	0.42	0.70	0.84			
	0.60	B56	S34	D	Open Brush, Fair	83	67	96	0.41	0.40	0.38	0.17	0.11	0.04		1.00	0.20	0.18	0.30	0.36			
	1.20	B6	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.74	0.72	0.69	0.65	0.58	0.53		0.50	0.30	0.18	0.30	0.36			
	0.10	B6	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.20	B6	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	0.10	B6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	2.30	B7	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.73	1.70	1.65	1.56	1.39	1.21		0.50	0.20	0.35	0.58	0.69			
	0.40	B7	S34	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.30		0.20	0.20	0.02	0.04	0.05			
	0.30	B8	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.18	0.18	0.17	0.16	0.15	0.13		0.50	0.30	0.05	0.08	0.09			
	0.10	B8	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	0.60	B8	S34	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	6.20	B8	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.67	4.57	4.44	4.20	3.76	3.26		0.50	0.20	0.93	1.55	1.86			
	0.90	B9	S34	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.71	0.66		0.20	0.20	0.05	0.09	0.11			
	0.30	B9	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	0.10	B9	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	0.20	C1	S34	C	Condominiums	69	50	86	0.16	0.15	0.15	0.14	0.13	0.12		0.35	0.25	0.02	0.04	0.04			
	0.10	C1	S34	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.10	C1	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	1.20	C2	S34	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07			
	0.60	C2	S34	C	Condominiums	69	50	86	0.47	0.46	0.45	0.43	0.40	0.36		0.35	0.25	0.06	0.11	0.13			
	0.10	C2	S34	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	0.10	C2	S34	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.30	C2	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.40	C2	S34	D	Condominiums	75	57	91	0.33	0.32	0.31	0.30	0.28	0.25		0.35	0.20	0.04	0.07	0.08			
	1.10	C3	S34	C	Commercial, Industrial	69	50	86	1.00	0.99	0.98	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07			
	1.30	C3	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	0.60	C4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.42	0.41	0.40	0.38	0.34	0.29		0.50	0.25	0.09	0.15	0.18			
	1.70	C4	S34	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10			
	1.00	C4	S34	C	Condominiums	69	50	86	0.78	0.77	0.75	0.72	0.67	0.60		0.35	0.25	0.11	0.18	0.21			
	0.10	C4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	0.70	C4	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.40	C4	S34	D	Condominiums	75	57	91	0.33	0.32	0.31	0.30	0.28	0.25		0.35	0.20	0.04	0.07	0.08			
	1.30	C5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.92	0.90	0.87	0.82	0.73	0.63		0.50	0.25	0.20	0.33	0.39			
	0.40	C5	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.30	0.30	0.29	0.28	0.25	0.23		0.40	0.25	0.05	0.08	0.10			
	0.20	C5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	1.50	C5	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.13	1.11	1.07	1.02	0.91	0.79		0.50	0.20	0.23	0.38	0.45			
	1.90	C5	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.51	1.48	1.45	1.39	1.27	1.13		0.40	0.20	0.23	0.38	0.46			
	2.00	C5	S34	D	Commercial, Industrial	75	57	91	1.84	1.83	1.81	1.78	1.71	1.62		0.10	0.20	0.06	0.10	0.12			
	4.40	C6	S34	C	Apartments	69	50	86	3.78	3.74	3.68	3.59	3.40	3.18		0.20	0.25	0.26	0.44	0.53			
	0.10	C6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	6.70	C6	S34	D	Apartments	75	57	91	5.88	5.82	5.74	5.60	5.31	4.95		0.20	0.20	0.40	0.67	0.80			
	3.10	C7	S34	D	Open Brush, Fair	83	67	96	2.11	2.04	1.94	0.89	0.54	0.23		1.00	0.20	0.93	1.55	1.86			
	0.20	CCR-A1	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A1	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A2	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.50	CCR-A2	S34	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
	0.40	CCR-A3	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A4	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.30	CCR-A4	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.20	CCR-A5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A5	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.30	CCR-A6	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02			
	0.30	CCR-A6	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.40	CCR-A7	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.70	CCR-A8	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20</						

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100								
						AMC			P ₂₄ (Inches)						Storm Event (Year)								
						II	I	III				AMC 1/AMCII	5.63										
	0.60	HZ-507	S34	A	Chaparral, Broadleaf, Fair	40	23	60	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.18	0.30	0.36			
	17.60	HZ-507	S34	A	Open Brush, Fair	46	28	66	2.53	2.12	1.60	0.00	0.00	0.00		1.00	0.40	5.28	8.80	10.56			
	12.00	HZ-507	S34	A	Woodland, Grass, Fair	44	26	64	1.47	1.20	0.88	0.00	0.00	0.00		1.00	0.40	3.60	6.00	7.20			
	9.90	HZ-507	S34	B	Chaparral, Broadleaf, Fair	63	43	81	3.59	3.29	2.89	0.30	0.00	0.00		1.00	0.30	2.97	4.95	5.94			
	1.00	HZ-507	S34	B	Open Brush, Fair	66	46	84	0.41	0.38	0.34	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60			
	9.60	HZ-507	S34	B	Woodland, Grass, Fair	65	45	83	3.76	3.47	3.08	0.41	0.03	0.00		1.00	0.30	2.88	4.80	5.76			
	172.40	HZ-507	S34	C	Chaparral, Broadleaf, Fair	75	57	91	94.22	89.47	82.87	26.29	11.37	1.52		1.00	0.25	51.72	86.20	103.44			
	6.10	HZ-507	S34	C	Open Brush, Fair	77	59	92	3.53	3.37	3.15	1.10	0.53	0.11		1.00	0.25	1.83	3.05	3.66			
	1.00	HZ-507	S34	C	Woodland, Grass, Fair	77	59	92	0.58	0.55	0.52	0.18	0.09	0.02		1.00	0.25	0.30	0.50	0.60			
	1.20	HZ-507	S34	D	Chaparral, Broadleaf, Fair	81	64	95	0.78	0.75	0.71	0.30	0.17	0.06		1.00	0.20	0.36	0.60	0.72			
	0.10	HZ-508	S34	A	Chaparral, Broadleaf, Fair	40	23	60	0.01	0.01	0.00	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.00	HZ-508	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00			
	0.20	HZ-508	S34	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	8.00	HZ-508	S34	A	Woodland, Grass, Fair	44	26	64	0.98	0.80	0.59	0.00	0.00	0.00		1.00	0.40	2.40	4.00	4.80			
	1.80	HZ-508	S34	B	Chaparral, Broadleaf, Fair	63	43	81	0.65	0.60	0.53	0.05	0.00	0.00		1.00	0.30	0.54	0.90	1.08			
	2.40	HZ-508	S34	B	Woodland, Grass, Fair	65	45	83	0.94	0.87	0.77	0.10	0.01	0.00		1.00	0.30	0.72	1.20	1.44			
	96.90	HZ-508	S34	C	Chaparral, Broadleaf, Fair	75	57	91	52.96	50.29	46.58	14.78	6.39	0.86		1.00	0.25	29.07	48.45	58.14			
	4.50	HZ-508	S34	C	Open Brush, Fair	77	59	92	2.61	2.49	2.32	0.81	0.39	0.08		1.00	0.25	1.35	2.25	2.70			
	0.60	HZ-508	S34	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36			
	16.80	HZ-508	S34	D	Chaparral, Broadleaf, Fair	81	64	95	10.87	10.46	9.89	4.14	2.35	0.83		1.00	0.20	5.04	8.40	10.08			
	7.00	S36-86.5	S34	A	Open Brush, Fair	46	28	66	1.01	0.84	0.64	0.00	0.00	0.00		1.00	0.40	2.10	3.50	4.20			
	3.30	S36-86.5	S34	A	Woodland, Grass, Fair	44	26	64	0.40	0.33	0.24	0.00	0.00	0.00		1.00	0.40	0.99	1.65	1.98			
	0.40	S36-86.5	S34	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02			
	1.40	S36-86.5	S34	C	Open Brush, Fair	77	59	92	0.81	0.77	0.72	0.25	0.12	0.03		1.00	0.25	0.42	0.70	0.84			
	0.00	S36-86.5	S34	C	Woodland, Grass, Fair	77	59	92	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.25	0.00	0.00	0.00			
	0.30	S36-86.5	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.00	S36-86.5	S34	D	Open Brush, Fair	83	67	96	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00			
	0.40	S36-86.6	S34	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24			
	2.90	S36-86.6	S34	A	Woodland, Grass, Fair	44	26	64	0.36	0.29	0.21	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74			
	9.8		S35	B	Chaparral, Broadleaf, Fair	63	43	81	3.55	3.26	2.87	0.29	0.00	0.00		1.00	0.30	2.94	4.90	5.88			
	33.69		S35	C	Chaparral, Broadleaf, Fair	75	57	91	18.41	17.48	16.19	5.14	2.22	0.30		1.00	0.25	10.11	16.85	20.21			
	24.62		S35	B	Commercial, Industrial, Industrial	56	36	76	21.93	21.78	21.57	21.20	20.46	19.51		0.10	0.30	0.74	1.23	1.48			
	0.8		S35	C	Commercial, Industrial, Industrial	69	50	86	0.73	0.72	0.72	0.70	0.68	0.64		0.10	0.25	0.02	0.04	0.05			
	16.79		S35	D	Commercial, Industrial, Industrial	75	57	91	15.43	15.33	15.18	14.91	14.35	13.58		0.10	0.20	0.50	0.84	1.01			
	77.1		S35	B	Fallow	86	72	97	56.63	55.11	52.93	27.44	18.39	9.48		1.00	0.30	23.13	38.55	46.26			
	63.31		S35	C	Fallow	91	80	98	52.29	51.40	50.10	31.91	24.50	16.17		1.00	0.25	18.99	31.66	37.99			
	17.06		S35	D	Fallow	94	85	99	15.06	14.89	14.64	10.52	8.71	6.49		1.00	0.20	5.12	8.53	10.24			
	59.76		S35	B	Grass, Annual or Perennial, Fair	69	50	86	26.98	25.22	22.82	4.78	1.16	0.00		1.00	0.30	17.93	29.88	35.86			
	1.6		S35	C	Grass, Annual or Perennial, Fair	79	62	93	0.98	0.94	0.88	0.34	0.18	0.05		1.00	0.25	0.48	0.80	0.96			
	114.17		S35	D	Grass, Annual or Perennial, Fair	84	69	96	79.81	77.34	73.83	35.16	22.16	10.06		1.00	0.20	34.25	57.09	68.50			
	1.1		S35	C	Meadows or Cienegas, Fair	80	63	94	0.69	0.67	0.63	0.25	0.14	0.04		1.00	0.25	0.33	0.55	0.66			
	126		S35	B	Open Brush, Fair	66	46	84	51.17	47.42	42.34	6.43	0.76	0.00		1.00	0.30	37.80	63.00	75.60			
	424.56		S35	C	Open Brush, Fair	77	59	92	245.97	234.70	218.95	76.77	36.97	7.83		1.00	0.25	127.37	212.28	254.74			
	54.86		S35	D	Open Brush, Fair	83	67	96	37.39	36.15	34.40	15.73	9.61	4.06		1.00	0.20	16.46	27.43	32.92			
	16.14		S35	B	Residential 5-7 dwellings/acre	56	36	76	9.89	9.63	9.29	8.73	7.87	7.15		0.50	0.30	2.42	4.04	4.84			
	30.91		S35	D	Residential 5-7 dwellings/acre	75	57	91	23.29	22.81	22.13	20.94	18.73	16.24		0.50	0.20	4.64	7.73	9.27			
	362.85		S35	B	Row Crops, Poor	81	64	95	234.71	225.99	213.68	89.36	50.81	18.02		1.00	0.30	108.86	181.43	217.71			
	119.83		S35	C	Row Crops, Poor	88	75	98	92.35	90.24	87.19	49.20	34.92	20.09		1.00	0.25	35.95	59.92	71.90			
	8.4		S35	D	Row Crops, Poor	91	80	98	6.94	6.82	6.65	4.23	3.25	2.14		1.00	0.20	2.52	4.20	5.04			
	0.05		S35	B	School	56	36	76	0.03	0.03	0.03	0.02	0.02	0.02		0.60	0.30	0.01	0.02	0.02			
	1.64		S35	D	School	75	57	91	1.17	1.14	1.10	1.02	0.89	0.75		0.60	0.20	0.30	0.49	0.59			
	4.84		S35	B	Woodland, Grass, Fair	65	45	83	1.89	1.75	1.55	0.21	0.02	0.00		1.00	0.30	1.45	2.42	2.90			
	9.84		S35	C	Woodland, Grass, Fair	77	59	92	5.70	5.44	5.07	1.78	0.86	0.18		1.00	0.25	2.95	4.92	5.90			
	3.46	HZ-201	S36	C	Chaparral, Broadleaf, Fair	75	57	91	1.89	1.80	1.66	0.53	0.23	0.03		1.00	0.25	1.04	1.73	2.08			
	47.86	HZ-201	S36	B	Fallow	86	72	97	35.16	34.21	32.86	17.03	11.42	5.88		1.00	0.30	14.36	23.93	28.72			
	20.03	HZ-201	S36	C	Fallow	91	80	98	16.54	16.26	15.85	10.09	7.75	5.11		1.00	0.25	6.01	10.01	12.02			
	12.53	HZ-201	S36	D	Fallow	94	85	99	11.06	10.93	10.75	7.73	6.39	4.76		1.00	0.20	3.76	6.26	7.52			
	3.57	HZ-201	S36	C	Grass, Annual or Perennial, Fair	79	62	93	2.19	2.10	1.97	0.75	0.40	0.11		1.00	0.25	1.07	1.79	2.14			
	0.01	HZ-201	S36	D	Meadows or Cienegas, Fair	84	69	96	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00			
	3.11	HZ-201	S36	B	Open Brush, Fair	66	46	84	1.26	1.17	1.05	0.16	0.02	0.00		1.00	0.30	0.93	1.56	1.87			
	42.80	HZ-201	S36	C	Open Brush, Fair	77	59	92	24.80	23.66	22.07	7.74	3.73	0.79		1.00	0.25	12.84	21.40	25.68			
	0.10	HZ-201	S36	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.0.							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															

	2.36	S36-04.5	S36	D	Fallow	94	85	99	2.08	2.06	2.02	1.45	1.20	0.90		1.00	0.20	0.71	1.18	1.41
	0.60	S36-04.5	S36	B	Meadows or Cienegas, Fair	70	51	87	0.28	0.26	0.24	0.05	0.02	0.00		1.00	0.30	0.18	0.30	0.36
	0.22	S36-04.5	S36	D	Meadows or Cienegas, Fair	84	69	96	0.15	0.15	0.14	0.07	0.04	0.02		1.00	0.20	0.07	0.11	0.13
	2.22	S36-04.5	S36	B	Open Brush, Fair	66	46	84	0.90	0.84	0.75	0.11	0.01	0.00		1.00	0.30	0.67	1.11	1.33
	3.42	S36-04.5	S36	D	Open Brush, Fair	83	67	96	2.33	2.26	2.15	0.98	0.60	0.25		1.00	0.20	1.03	1.71	2.05
	1.44	S36-04.5	S36	B	Woodland, Grass, Fair	65	45	83	0.56	0.52	0.46	0.06	0.00	0.00		1.00	0.30	0.43	0.72	0.86
	0.01	S36-04.5	S36	D	Woodland, Grass, Fair	82	66	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00
	5.39	S36-21	S36	D	Chaparral, Broadleaf, Fair	81	64	95	3.49	3.36	3.17	1.33	0.75	0.27		1.00	0.20	1.62	2.69	3.23
	16.30	S36-21	S36	B	Fallow	86	72	97	11.98	11.65	11.19	5.80	3.89	2.00		1.00	0.30	4.89	8.15	9.78
	4.08	S36-21	S36	C	Fallow	91	80	98	3.37	3.31	3.23	2.06	1.58	1.04		1.00	0.25	1.22	2.04	2.45
	12.36	S36-21	S36	D	Fallow	94	85	99	10.91	10.79	10.61	7.62	6.31	4.70		1.00	0.20	3.71	6.18	7.42
	11.23	S36-21	S36	B	Open Brush, Fair	66	46	84	4.56	4.23	3.77	0.57	0.07	0.00		1.00	0.30	3.37	5.61	6.74
	5.16	S36-21	S36	C	Open Brush, Fair	77	59	92	2.99	2.85	2.66	0.93	0.45	0.10		1.00	0.25	1.55	2.58	3.09
	53.93	S36-21	S36	D	Open Brush, Fair	83	67	96	36.75	35.54	33.82	15.46	9.44	3.99		1.00	0.20	16.18	26.97	32.36
	0.44	S36-21	S36	B	Woodland, Grass, Fair	65	45	83	0.17	0.16	0.14	0.02	0.00	0.00		1.00	0.30	0.13	0.22	0.27
	3.98	S36-21	S36	D	Woodland, Grass, Fair	82	66	95	2.64	2.55	2.42	1.06	0.62	0.24		1.00	0.20	1.19	1.99	2.39
	0.96	S36-41	S36	C	Chaparral, Broadleaf, Fair	75	57	91	0.53	0.50	0.46	0.15	0.06	0.01		1.00	0.25	0.29	0.48	0.58
	0.01	S36-41	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00
	1.56	S36-41	S36	B	Chaparral, Narrowleaf, Fair	72	53	89	0.78	0.73	0.67	0.18	0.06	0.00		1.00	0.30	0.47	0.78	0.93
	10.45	S36-41	S36	D	Chaparral, Narrowleaf, Fair	86	72	97	7.68	7.47	7.17	3.72	2.49	1.28		1.00	0.20	3.14	5.23	6.27
	44.94	S36-41	S36	B	Fallow	86	72	97	33.01	32.12	30.85	15.99	10.72	5.52		1.00	0.30	13.48	22.47	26.96
	9.66	S36-41	S36	C	Fallow	91	80	98	7.98	7.84	7.64	4.87	3.74	2.47		1.00	0.25	2.90	4.83	5.80
	16.49	S36-41	S36	D	Fallow	94	85	99	14.56	14.39	14.15	10.17	8.42	6.27		1.00	0.20	4.95	8.25	9.90
	20.39	S36-41	S36	D	Grass, Annual or Perennial, Fair	84	69	96	14.25	13.81	13.18	6.28	3.96	1.80		1.00	0.20	6.12	10.19	12.23
	7.02	S36-41	S36	B	Open Brush, Fair	66	46	84	2.85	2.64	2.36	0.36	0.04	0.00		1.00	0.30	2.10	3.51	4.21
	12.58	S36-41	S36	C	Open Brush, Fair	77	59	92	7.29	6.96	6.49	2.28	1.10	0.23		1.00	0.25	3.78	6.29	7.55
	42.49	S36-41	S36	D	Open Brush, Fair	83	67	96	28.96	28.00	26.65	12.18	7.44	3.14		1.00	0.20	12.75	21.25	25.50
	5.73	S36-41	S36	B	Woodland, Grass, Fair	65	45	83	2.24	2.07	1.84	0.24	0.02	0.00		1.00	0.30	1.72	2.86	3.44
	1.78	S36-41	S36	C	Woodland, Grass, Fair	77	59	92	1.03	0.98	0.92	0.32	0.16	0.03		1.00	0.25	0.53	0.89	1.07
	6.25	S36-41	S36	D	Woodland, Grass, Fair	82	66	95	4.15	4.00	3.80	1.66	0.98	0.38		1.00	0.20	1.87	3.12	3.75
	0.67	S36-42	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.24	0.22	0.20	0.02	0.00	0.00		1.00	0.30	0.20	0.33	0.40
	24.24	S36-42	S36	C	Chaparral, Broadleaf, Fair	75	57	91	13.25	12.58	11.65	3.70	1.60	0.21		1.00	0.25	7.27	12.12	14.55
	1.34	S36-42	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.86	0.83	0.79	0.33	0.19	0.07		1.00	0.20	0.40	0.67	0.80
	0.00	S36-42	S36	C	Commercial, Industrial	69	50	86	0.00	0.00	0.00	0.00	0.00	0.00		0.10	0.25	0.00	0.00	0.00
	74.98	S36-42	S36	B	Fallow	86	72	97	55.07	53.59	51.47	26.68	17.88	9.22		1.00	0.30	22.49	37.49	44.99
	101.12	S36-42	S36	C	Fallow	91	80	98	83.52	82.10	80.03	50.97	39.13	25.82		1.00	0.25	30.34	50.56	60.67
	16.90	S36-42	S36	D	Fallow	94	85	99	14.92	14.75	14.50	10.42	8.63	6.43		1.00	0.20	5.07	8.45	10.14
	9.95	S36-42	S36	C	Grass, Annual or Perennial, Fair	79	62	93	6.10	5.85	5.49	2.10	1.10	0.31		1.00	0.25	2.99	4.98	5.97
	10.02	S36-42	S36	D	Grass, Annual or Perennial, Fair	84	69	96	7.01	6.79	6.48	3.09	1.95	0.88		1.00	0.20	3.01	5.01	6.01
	4.45	S36-42	S36	B	Open Brush, Fair	66	46	84	1.81	1.67	1.49	0.23	0.03	0.00		1.00	0.30	1.33	2.22	2.67
	179.37	S36-42	S36	C	Open Brush, Fair	77	59	92	103.92	99.15	92.50	32.44	15.62	3.31		1.00	0.25	53.81	89.68	107.62
	11.47	S36-42	S36	D	Open Brush, Fair	83	67	96	7.81	7.56	7.19	3.29	2.01	0.85		1.00	0.20	3.44	5.73	6.88
	0.17	S36-42	S36	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.04		0.85	0.25	0.04	0.07	0.09
	0.03	S36-42	S36	D	Public Park	75	57	91	0.02	0.02	0.02	0.02	0.01	0.01		0.85	0.20	0.01	0.01	0.02
	5.14	S36-42	S36	B	Woodland, Grass, Fair	65	45	83	2.01	1.86	1.65	0.22	0.02	0.00		1.00	0.30	1.54	2.57	3.08
	11.22	S36-42	S36	C	Woodland, Grass, Fair	77	59	92	6.50	6.20	5.78	2.03	0.98	0.21		1.00	0.25	3.37	5.61	6.73
	0.33	S36-42	S36	D	Woodland, Grass, Fair	82	66	95	0.22	0.21	0.20	0.09	0.05	0.02		1.00	0.20	0.10	0.16	0.20
	0.22	S36-43	S36	B	Barren	86	72	97	0.16	0.16	0.15	0.08	0.05	0.03		1.00	0.30	0.07	0.11	0.13
	2.17	S36-43	S36	C	Barren	91	80	98	1.79	1.76	1.72	1.10	0.84	0.55		1.00	0.25	0.65	1.09	1.30
	9.19	S36-43	S36	C	Chaparral, Broadleaf, Fair	75	57	91	5.02	4.77	4.42	1.40	0.61	0.08		1.00	0.25	2.76	4.59	5.51
	67.57	S36-43	S36	B	Fallow	86	72	97	49.63	48.30	46.39	24.04	16.11	8.31		1.00	0.30	20.27	33.78	40.54
	35.19	S36-43	S36	C	Fallow	91	80	98	29.06	28.57	27.85	17.74	13.62	8.98		1.00	0.25	10.56	17.59	21.11
	30.67	S36-43	S36	D	Fallow	94	85	99	27.07	26.77	26.32	18.92	15.66	11.67		1.00	0.20	9.20	15.34	18.40
	0.89	S36-43	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.40	0.38	0.34	0.07	0.02	0.00		1.00	0.30	0.27	0.45	0.54
	20.64	S36-43	S36	C	Grass, Annual or Perennial, Fair	79	62	93	12.65	12.13	11.39	4.36	2.29	0.65		1.00	0.25	6.19	10.32	12.39
	2.69	S36-43	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.88	1.82	1.74	0.83	0.52	0.24		1.00	0.20	0.81	1.35	1.62
	8.45	S36-43	S36	B	Open Brush, Fair	66	46	84	3.43	3.18	2.84	0.43	0.05	0.00		1.00	0.30	2.54	4.23	5.07
	96.93	S36-43	S36	C	Open Brush, Fair	77	59	92	56.16	53.58	49.99	17.53	8.44	1.79		1.00	0.25	29.08	48.46	58.16
	13.19	S36-43	S36	D	Open Brush, Fair	83	67	96	8.99	8.69	8.27	3.78	2.31	0.98		1.00	0.20	3.96	6.60	7.92
	42.53	S36-43	S36	B	Row Crops, Poor	81	64	95	27.51	26.49	25.05	10.47	5.96	2.11		1.00	0.30	12.76	21.27	25.52
	16.96	S36-43	S36	C	Row Crops, Poor	88	75	98	13.07	12.77	12.34	6.96	4.94	2.84		1.00	0.25	5.09	8.48	10.17
	80.60	S36-43	S36	D	Row Crops, Poor	91	80	98	66.57	65.44	63.79	40.63	31.20	20.58		1.00	0.20	24.18	40.30	48.36
	1.56	S36-43	S36	B	Woodland, Grass, Fair	65	45	83	0.61	0.56	0.50	0.07	0.01	0.00		1.00	0.30	0.47	0.78	0.93
	2.00	S36-43	S36	C	Woodland, Grass, Fair	77	59	92	1.16	1.11	1.03	0.36	0.17	0.04		1.00	0.25	0.60	1	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100								
						AMC		P ₂₄ (Inches)							5.63							
								II	I	III	AMC 1/AMCII											
	3.14	S36-61	S36	D	Fallow	94	85	99	2.77	2.74	2.70	1.94	1.60	1.20		1.00	0.20	0.94	1.57	1.89		
	0.67	S36-61	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.30	0.28	0.26	0.05	0.01	0.00		1.00	0.30	0.20	0.33	0.40		
	9.52	S36-61	S36	C	Grass, Annual or Perennial, Fair	79	62	93	5.83	5.59	5.25	2.01	1.06	0.30		1.00	0.25	2.85	4.76	5.71		
	0.71	S36-61	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.50	0.48	0.46	0.22	0.14	0.06		1.00	0.20	0.21	0.36	0.43		
	0.22	S36-61	S36	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13		
	39.42	S36-61	S36	C	Open Brush, Fair	77	59	92	22.84	21.79	20.33	7.13	3.43	0.73		1.00	0.25	11.83	19.71	23.65		
	0.62	S36-61	S36	D	Open Brush, Fair	83	67	96	0.42	0.41	0.39	0.18	0.11	0.05		1.00	0.20	0.18	0.31	0.37		
	0.11	S36-61	S36	B	Orchards, Evergreen, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06		
	0.77	S36-61	S36	D	Orchards, Evergreen, Fair	82	66	95	0.51	0.49	0.47	0.21	0.12	0.05		1.00	0.20	0.23	0.39	0.46		
	0.22	S36-61	S36	B	Woodland, Grass, Fair	65	45	83	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13		
	2.69	S36-61	S36	D	Woodland, Grass, Fair	82	66	95	1.78	1.72	1.63	0.72	0.42	0.16		1.00	0.20	0.81	1.34	1.61		
	0.22	S36-62	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13		
	9.22	S36-62	S36	C	Chaparral, Broadleaf, Fair	75	57	91	5.04	4.79	4.43	1.41	0.61	0.08		1.00	0.25	2.77	4.61	5.53		
	0.54	S36-62	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.35	0.34	0.32	0.13	0.08	0.03		1.00	0.20	0.16	0.27	0.32		
	5.65	S36-62	S36	B	Fallow	86	72	97	4.15	4.04	3.88	2.01	1.35	0.69		1.00	0.30	1.69	2.82	3.39		
	3.66	S36-62	S36	C	Fallow	91	80	98	3.02	2.97	2.89	1.84	1.42	0.93		1.00	0.25	1.10	1.83	2.19		
	0.67	S36-62	S36	D	Fallow	94	85	99	0.59	0.58	0.57	0.41	0.34	0.25		1.00	0.20	0.20	0.33	0.40		
	1.56	S36-62	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.70	0.66	0.59	0.12	0.03	0.00		1.00	0.30	0.47	0.78	0.93		
	9.40	S36-62	S36	C	Grass, Annual or Perennial, Fair	79	62	93	5.76	5.52	5.19	1.98	1.04	0.30		1.00	0.25	2.82	4.70	5.64		
	2.76	S36-62	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.93	1.87	1.78	0.85	0.54	0.24		1.00	0.20	0.83	1.38	1.65		
	17.38	S36-62	S36	C	Open Brush, Fair	77	59	92	10.07	9.61	8.96	3.14	1.51	0.32		1.00	0.25	5.21	8.69	10.43		
	2.46	S36-62	S36	D	Open Brush, Fair	83	67	96	1.68	1.62	1.55	0.71	0.43	0.18		1.00	0.20	0.74	1.23	1.48		
	5.56	S36-62	S36	B	Orchards, Evergreen, Fair	65	45	83	2.18	2.01	1.79	0.24	0.02	0.00		1.00	0.30	1.67	2.78	3.34		
	0.65	S36-62	S36	C	Orchards, Evergreen, Fair	77	59	92	0.38	0.36	0.34	0.12	0.06	0.01		1.00	0.25	0.20	0.33	0.39		
	1.70	S36-62	S36	D	Woodland, Grass, Fair	82	66	95	1.13	1.09	1.03	0.45	0.27	0.10		1.00	0.20	0.51	0.85	1.02		
	0.22	S36-81	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13		
	5.28	S36-81	S36	C	Chaparral, Broadleaf, Fair	75	57	91	2.89	2.74	2.54	0.81	0.35	0.05		1.00	0.25	1.58	2.64	3.17		
	0.52	S36-81	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.33	0.31	0.13	0.07	0.03		1.00	0.20	0.16	0.26	0.31		
	3.61	S36-81	S36	B	Fallow	86	72	97	2.65	2.58	2.48	1.28	0.86	0.44		1.00	0.30	1.08	1.80	2.17		
	0.67	S36-81	S36	C	Fallow	91	80	98	0.55	0.54	0.53	0.34	0.26	0.17		1.00	0.25	0.20	0.33	0.40		
	1.37	S36-81	S36	D	Fallow	94	85	99	1.21	1.19	1.17	0.84	0.70	0.52		1.00	0.20	0.41	0.68	0.82		
	6.90	S36-81	S36	B	Grass, Annual or Perennial, Fair	69	50	86	3.11	2.91	2.63	0.55	0.13	0.00		1.00	0.30	2.07	3.45	4.14		
	23.04	S36-81	S36	C	Grass, Annual or Perennial, Fair	79	62	93	14.12	13.53	12.71	4.86	2.56	0.73		1.00	0.25	6.91	11.52	13.82		
	1.18	S36-81	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.83	0.80	0.76	0.36	0.23	0.10		1.00	0.20	0.35	0.59	0.71		
	1.56	S36-81	S36	B	Open Brush, Fair	66	46	84	0.63	0.59	0.52	0.08	0.01	0.00		1.00	0.30	0.47	0.78	0.94		
	53.20	S36-81	S36	C	Open Brush, Fair	77	59	92	30.82	29.41	27.44	9.62	4.63	0.98		1.00	0.25	15.96	26.60	31.92		
	2.08	S36-81	S36	D	Open Brush, Fair	83	67	96	1.42	1.37	1.31	0.60	0.36	0.15		1.00	0.20	0.62	1.04	1.25		
	0.01	S36-81	S36	C	Orchards, Evergreen, Fair	77	59	92	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.25	0.00	0.01	0.01		
	0.18	S36-81	S36	B	Row Crops, Poor	81	64	95	0.12	0.11	0.11	0.04	0.03	0.01		1.00	0.30	0.05	0.09	0.11		
	0.39	S36-81	S36	D	Row Crops, Poor	91	80	98	0.32	0.31	0.30	0.19	0.15	0.10		1.00	0.20	0.12	0.19	0.23		
	0.22	S36-81	S36	B	Woodland, Grass, Fair	65	45	83	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13		
	7.73	S36-81	S36	C	Woodland, Grass, Fair	77	59	92	4.48	4.27	3.99	1.40	0.67	0.14		1.00	0.25	2.32	3.87	4.64		
	4.37	S36-81	S36	D	Woodland, Grass, Fair	82	66	95	2.90	2.80	2.66	1.16	0.69	0.27		1.00	0.20	1.31	2.19	2.62		
	8.49	S36-83	S36	B	Fallow	86	72	97	6.24	6.07	5.83	3.02	2.03	1.04		1.00	0.30	2.55	4.25	5.09		
	13.30	S36-83	S36	C	Fallow	91	80	98	10.99	10.80	10.53	6.71	5.15	3.40		1.00	0.25	3.99	6.65	7.98		
	0.87	S36-83	S36	D	Fallow	94	85	99	0.77	0.76	0.75	0.54	0.44	0.33		1.00	0.20	0.26	0.43	0.52		
	20.30	S36-83	S36	C	Grass, Annual or Perennial, Fair	79	62	93	12.44	11.92	11.20	4.29	2.25	0.64		1.00	0.25	6.09	10.15	12.18		
	1.21	S36-83	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.84	0.82	0.78	0.37	0.23	0.11		1.00	0.20	0.36	0.60	0.72		
	0.05	S36-83	S36	A	Open Brush, Fair	46	28	66	0.01	0.01	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.03	0.03		
	12.56	S36-83	S36	C	Open Brush, Fair	77	59	92	7.28	6.94	6.48	2.27	1.09	0.23		1.00	0.25	3.77	6.28	7.53		
	0.81	S36-83	S36	D	Open Brush, Fair	83	67	96	0.55	0.53	0.51	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.49		
	0.00	S36-83	S36	B	Row Crops, Poor	81	64	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00		
	0.01	S36-83	S36	D	Row Crops, Poor	91	80	98	0.01	0.01	0.01	0.01	0.01	0.00		1.00	0.20	0.00	0.01	0.01		
	0.00	S36-83	S36	A	Woodland, Grass, Fair	44	26	64	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00		
	1.11	S36-83	S36	B	Woodland, Grass, Fair	65	45	83	0.43	0.40	0.36	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.67		
	0.59	S36-83	S36	C	Woodland, Grass, Fair	77	59	92	0.34	0.32	0.30	0.11	0.05	0.01		1.00	0.25	0.18	0.29	0.35		
	3.04	S36-83	S36	D	Woodland, Grass, Fair	82	66	95	2.02	1.95	1.85	0.81	0.48	0.19		1.00	0.20	0.91	1.52	1.83		
	0.23	S36-86	S36	C	Open Brush, Fair	77	59	92	0.13	0.13	0.12	0.04	0.02	0.00		1.00	0.25	0.07	0.11	0.14		
	1.52	S36-86	S36	D	Open Brush, Fair	83	67	96	1.04	1.00	0.95	0.44	0.27	0.11		1.00	0.20	0.46	0.76	0.91		
	0.06	S36-86	S36	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.03	0.03		
	0.13	S36-86	S36	C	Woodland, Grass, Fair	77	59	92	0.08	0.07	0.07	0.02	0.01	0.00		1.00	0.25	0.04	0.07	0.08		
	6.45	S36-86	S36	D	Woodland, Grass, Fair	82	66	95	4.28	4.13	3.92	1.72	1.01	0.39		1.00	0.20	1.93	3.22	3.87		
	0.1	PA-2	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02		
	1.3	PA-2	s36	B	Public Park	56	36	76	0.48	0.45	0.41	0.34	0.24	0.18		0.85	0.30	0.33	0.55	0.66		
	0.1	PA-2	s36	C	Residential 8-10 dwellings/acre	69	50	86	0.08	0.07	0.07	0.07	0.06	0.06		0.40	0.25	0.01	0.02	0.02		
	1.7	PA-2	s36	C	Public Park	69	50	86	0.90	0.85	0.79	0.69	0.52	0.36		0.85	0.25	0.43	0.72	0.87		
	0.1	PA-2	s36	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05		
	2.9	PA-2	s36	B	Public Park	56	36	76	1.07	1.00	0.91	0.76	0.54	0.40	</							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100	P ₂₄ (Inches)												
						AMC			AMC 1/AMCII												5.63				
						II	I	III																	

	6.9	PA-2	s36	C	Public Park	69	50	86	3.64	3.47	3.22	2.82	2.12	1.45		0.85	0.25	1.76	2.93	3.52	
	0.4	PA-2	s36	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.16	0.11		0.85	0.20	0.10	0.17	0.20	
	0.8	A1	s36	D	Residential 10+ dwellings/acre	75	57	91	0.70	0.70	0.69	0.67	0.63	0.59		0.20	0.20	0.05	0.08	0.10	
	0.5	A10	s36	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06	
	0.9	A10	s36	D	Commercial, Industrial	75	57	91	0.83	0.82	0.81	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05	
	3.9	A10	s36	D	Condominiums	75	57	91	3.18	3.13	3.07	2.95	2.73	2.46		0.35	0.20	0.41	0.68	0.82	
	14.6	A11	s36	D	Apartments	75	57	91	12.81	12.69	12.52	12.20	11.57	10.78		0.20	0.20	0.88	1.46	1.75	
	1.1	A11	s36	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07	
	4.3	A11	s36	D	Condominiums	75	57	91	3.51	3.45	3.38	3.25	3.01	2.72		0.35	0.20	0.45	0.75	0.90	
	0.5	A12	s36	B	Residential 10+ dwellings/acre	56	36	76	0.41	0.41	0.40	0.39	0.37	0.35		0.20	0.30	0.03	0.05	0.06	
	10	A12	s36	D	Residential 10+ dwellings/acre	75	57	91	8.77	8.69	8.57	8.36	7.93	7.38		0.20	0.20	0.60	1.00	1.20	
	1.7	A12	s36	D	Apartments	75	57	91	1.49	1.48	1.46	1.42	1.35	1.25		0.20	0.20	0.10	0.17	0.20	
	0.5	A12	s36	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.40		0.10	0.20	0.02	0.03	0.03	
	1	A12	s36	D	Condominiums	75	57	91	0.82	0.80	0.79	0.76	0.70	0.63		0.35	0.20	0.11	0.18	0.21	
	0.6	A13	s36	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07	
	0.1	A14	s36	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01	
	7.9	A14	s36	D	Residential 10+ dwellings/acre	75	57	91	6.93	6.87	6.77	6.60	6.26	5.83		0.20	0.20	0.47	0.79	0.95	
	4.1	A14	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.26	3.20	3.13	2.99	2.74	2.44		0.40	0.20	0.49	0.82	0.98	
	2.2	A14	s36	D	Apartments	75	57	91	1.93	1.91	1.89	1.84	1.74	1.62		0.20	0.20	0.13	0.22	0.26	
	0.2	A15	s36	B	Condominiums	56	36	76	0.14	0.14	0.14	0.13	0.12	0.11		0.35	0.30	0.02	0.04	0.04	
	4.5	A15	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.58	3.52	3.43	3.29	3.01	2.68		0.40	0.20	0.54	0.90	1.08	
	0.7	A15	s36	D	Apartments	75	57	91	0.61	0.61	0.60	0.58	0.55	0.52		0.20	0.20	0.04	0.07	0.08	
	0.4	A15	s36	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
	3.5	A15	s36	D	Condominiums	75	57	91	2.85	2.81	2.75	2.65	2.45	2.21		0.35	0.20	0.37	0.61	0.74	
	2.9	A16	s36	B	Residential 8-10 dwellings/acre	56	36	76	1.98	1.94	1.89	1.80	1.66	1.54		0.40	0.30	0.35	0.58	0.70	
	1.4	A16	s36	B	Condominiums	56	36	76	1.00	0.99	0.96	0.93	0.86	0.80		0.35	0.30	0.15	0.25	0.29	
	4	A16	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.18	3.13	3.05	2.92	2.67	2.39		0.40	0.20	0.48	0.80	0.96	
	0.2	A16	s36	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01	
	2.7	A16	s36	D	Condominiums	75	57	91	2.20	2.17	2.12	2.04	1.89	1.71		0.35	0.20	0.28	0.47	0.57	
	0.2	A16	s36	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.04	0.01		1.00	0.20	0.06	0.10	0.12	
	1	A17	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.68	0.67	0.65	0.62	0.57	0.53		0.40	0.30	0.12	0.20	0.24	
	7.5	A17	s36	D	Residential 8-10 dwellings/acre	75	57	91	5.96	5.86	5.72	5.48	5.01	4.47		0.40	0.20	0.90	1.50	1.80	
	0.1	A17	s36	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	4.3	A18	s36	B	Residential 10+ dwellings/acre	56	36	76	3.53	3.49	3.44	3.36	3.20	3.03		0.20	0.30	0.26	0.43	0.52	
	0.7	A18	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.48	0.47	0.46	0.43	0.40	0.37		0.40	0.30	0.08	0.14	0.17	
	0.9	A18	s36	B	Commercial, Industrial	56	36	76	0.80	0.80	0.79	0.77	0.75	0.71		0.10	0.30	0.03	0.05	0.05	
	0.6	A18	s36	B	Condominiums	56	36	76	0.43	0.42	0.41	0.40	0.37	0.34		0.35	0.30	0.06	0.11	0.13	
	0.4	A18	s36	D	Residential 10+ dwellings/acre	75	57	91	0.35	0.35	0.34	0.33	0.32	0.30		0.20	0.20	0.02	0.04	0.05	
	0.2	A18	s36	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.13	0.12		0.40	0.20	0.02	0.04	0.05	
	0.1	A18	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	0.1	A18	s36	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02	
	0.7	A19	s36	B	Residential 10+ dwellings/acre	56	36	76	0.57	0.57	0.56	0.55	0.52	0.49		0.20	0.30	0.04	0.07	0.08	
	5.1	A19	s36	B	Residential 8-10 dwellings/acre	56	36	76	3.48	3.41	3.32	3.17	2.92	2.70		0.40	0.30	0.61	1.02	1.22	
	0.3	A19	s36	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.1	A19	s36	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05	
	0.8	A19	s36	D	Residential 10+ dwellings/acre	75	57	91	0.70	0.70	0.69	0.67	0.63	0.59		0.20	0.20	0.05	0.08	0.10	
	0.8	A19	s36	D	Residential 5-7 dwellings/acre	75	57	91	0.60	0.59	0.57	0.54	0.48	0.42		0.50	0.20	0.12	0.20	0.24	
	3.1	A19	s36	D	Residential 8-10 dwellings/acre	75	57	91	2.46	2.42	2.37	2.26	2.07	1.85		0.40	0.20	0.37	0.62	0.74	
	0.3	A19	s36	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02	
	1.5	A19	s36	D	Public Park	75	57	91	0.91	0.88	0.83	0.74	0.58	0.42		0.85	0.20	0.38	0.64	0.77	
	2.3	A2	s36	D	Apartments	75	57	91	2.02	2.00	1.97	1.92	1.82	1.70		0.20	0.20	0.14	0.23	0.28	
	1	A2	s36	D	Commercial, Industrial	75	57	91	0.92	0.91	0.90	0.89	0.85	0.81		0.10	0.20	0.03	0.05	0.06	
	2.6	A3	s36	D	Residential 10+ dwellings/acre	75	57	91	2.28	2.26	2.23	2.17	2.06	1.92		0.20	0.20	0.16	0.26	0.31	
	1.2	A4	s36	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.89		0.20	0.20	0.07	0.12	0.14	
	0.1	A4	s36	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
	2.4	A4	s36	D	Commercial, Industrial	75	57	91	2.21	2.19	2.17	2.13	2.05	1.94		0.10	0.20	0.07	0.12	0.14	
	4.4	A5	s36	D	Apartments	75	57	91	3.86	3.82	3.77	3.68	3.49	3.25		0.20	0.20	0.26	0.44	0.53	
	18.2	A5	s36	D	Commercial, Industrial	75	57	91	16.72	16.61	16.46	16.16	15.56	14.72		0.10	0.20	0.55	0.91	1.09	
	6.2	A6	s36	D	Apartments	75	57	91	5.44	5.39	5.31	5.18	4.91	4.58		0.20	0.20	0.37	0.62	0.74	
	0.1	A6	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	15.3	A7	s36	D	Commercial, Industrial	75	57	91	14.06	13.97	13.84	13.59	13.08	12.38		0.10	0.20	0.46	0.77	0.92	
	0.7	A7	s36	D	Public Park	75	57	91	0.43	0.41	0.39	0.35	0.27	0.19		0.85	0.20	0.18	0.30	0.36	
	2.1	A8	s36	B	Public Park	56	36	76	0.78	0.72	0.66	0.55	0.39	0.29		0.85	0.30	0.54	0.89	1.07	
	0.3	A8	s36	D	Residential 5-7 dwellings/																

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13803 (Node 137)

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	100	Storm Event (Year)					HC								
						AMC			P ₂₄ (Inches)						AMC 1/AMCII				5.63							
						II	I	III																		
	0.1	BASIN-2	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01						
	2.8	BASIN-3	s36	B	Commercial, Industrial	56	36	76	2.49	2.48	2.45	2.41	2.33	2.22		0.10	0.30	0.08	0.14	0.17						
	0.6	BASIN-3	s36	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04						
	1.5	OFF-1	s36	D	Open Brush, Fair	83	67	96	1.02	0.99	0.94	0.43	0.26	0.11		1.00	0.20	0.45	0.75	0.90						
	2.8	OFF-2	s36	D	Open Brush, Fair	83	67	96	1.91	1.85	1.76	0.80	0.49	0.21		1.00	0.20	0.84	1.40	1.68						
	3.3	OFF-3	s36	D	Open Brush, Fair	83	67	96	2.25	2.17	2.07	0.95	0.58	0.24		1.00	0.20	0.99	1.65	1.98						
	2.3	OFF-4	s36	D	Open Brush, Fair	83	67	96	1.57	1.52	1.44	0.66	0.40	0.17		1.00	0.20	0.69	1.15	1.38						
	3.7	OFF-5	s36	D	Open Brush, Fair	83	67	96	2.52	2.44	2.32	1.06	0.65	0.27		1.00	0.20	1.11	1.85	2.22						
	8.3	OFF-6	s36	D	Open Brush, Fair	83	67	96	5.66	5.47	5.20	2.38	1.45	0.61		1.00	0.20	2.49	4.15	4.98						
	0.6	OFF-7	s36	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	0.3	OFF-7	s36	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.23	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07						
	13.2	OFF-7	s36	D	Open Brush, Fair	83	67	96	9.00	8.70	8.28	3.78	2.31	0.98		1.00	0.20	3.96	6.60	7.92						
	8.1		S37	A	Commercial, Industrial	32	17	52	7.02	6.98	6.94	6.86	6.68	6.42		0.10	0.40	0.24	0.41	0.49						
	50.7		S37	B	Commercial, Industrial	56	36	76	45.16	44.85	44.42	43.65	42.14	40.18		0.10	0.30	1.52	2.54	3.04						
	5.7		S37	C	Commercial, Industrial	69	50	86	5.18	5.15	5.10	5.01	4.82	4.57		0.10	0.25	0.17	0.29	0.34						
	43.5		S37	D	Commercial, Industrial	75	57	91	39.97	39.71	39.34	38.64	37.18	35.19		0.10	0.20	1.31	2.18	2.61						
	16.6		S37	B	Residential 8-10 dwellings/acre	56	36	76	11.33	11.10	10.80	10.31	9.52	8.80		0.40	0.30	1.99	3.32	3.98						
	6.9		S37	D	Residential 8-10 dwellings/acre	75	57	91	5.48	5.39	5.27	5.04	4.61	4.11		0.40	0.20	0.83	1.38	1.66						
	5.4		S37	A	Residential 5-7 dwellings/acre	32	17	52	2.65	2.62	2.58	2.54	2.48	2.38		0.50	0.40	0.81	1.35	1.62						
	20.1		S37	B	Residential 5-7 dwellings/acre	56	36	76	12.32	12.00	11.57	10.88	9.80	8.90		0.50	0.30	3.02	5.03	6.03						
	104.5		S37	D	Residential 5-7 dwellings/acre	75	57	91	78.73	77.10	74.82	70.80	63.32	54.90		0.50	0.20	15.68	26.13	31.35						
	19.0		S37	B	Residential 3-4 dwellings/acre	56	36	76	10.32	9.97	9.51	8.76	7.63	6.75		0.60	0.30	3.42	5.70	6.84						
	0.4		S37	C	Residential 3-4 dwellings/acre	69	50	86	0.26	0.25	0.24	0.23	0.19	0.16		0.60	0.25	0.07	0.12	0.14						
	21.4		S37	D	Residential 3-4 dwellings/acre	75	57	91	15.24	14.85	14.32	13.37	11.64	9.72		0.60	0.20	3.85	6.42	7.70						
	88.6		S37	D	Residential 1 acre lots	75	57	91	55.75	53.74	50.93	46.03	37.16	27.69		0.80	0.20	21.26	35.44	42.53						
	39.9		S37	A	Public Park	32	17	52	6.49	6.14	5.81	5.63	5.49	5.27		0.85	0.40	10.17	16.96	20.35						
	42.6		S37	B	Public Park	56	36	76	15.75	14.69	13.31	11.13	7.96	5.83		0.85	0.30	10.86	18.11	21.73						
	7.6		S37	C	Public Park	69	50	86	4.01	3.82	3.55	3.10	2.34	1.60		0.85	0.25	1.94	3.23	3.88						
	137.8		S37	D	Public Park	75	57	91	83.86	80.56	75.97	67.96	53.50	38.18		0.85	0.20	35.14	58.57	70.28						
	6.5		S37	B	Grass, Annual or Perennial, Fair	69	50	86	2.94	2.74	2.48	0.52	0.13	0.00		1.00	0.30	1.95	3.25	3.90						
	173.8		S37	D	Grass, Annual or Perennial, Fair	84	69	96	121.49	117.74	112.38	53.52	33.74	15.31		1.00	0.20	52.14	86.90	104.28						
	2.4		S37	A	Open Brush, Fair	46	28	66	0.35	0.29	0.22	0.00	0.00	0.00		1.00	0.40	0.72	1.20	1.44						
	0.6		S37	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	57.2		S37	C	Open Brush, Fair	77	59	92	33.14	31.62	29.50	10.34	4.98	1.05		1.00	0.25	17.16	28.60	34.32						
	78.5		S37	D	Open Brush, Fair	83	67	96	53.50	51.73	49.23	22.51	13.74	5.81		1.00	0.20	23.55	39.25	47.10						
	13.9		S37	A	Woodland, Grass, Fair	44	26	64	1.70	1.39	1.02	0.00	0.00	0.00		1.00	0.40	4.17	6.95	8.34						
	2.4		S37	B	Woodland, Grass, Fair	65	45	83	0.94	0.87	0.77	0.10	0.01	0.00		1.00	0.30	0.72	1.20	1.44						
	9.2		S37	C	Woodland, Grass, Fair	77	59	92	5.33	5.09	4.74	1.66	0.80	0.17		1.00	0.25	2.76	4.60	5.52						
	49.3		S37	D	Woodland, Grass, Fair	82	66	95	32.74	31.59	29.97	13.12	7.74	3.02		1.00	0.20	14.79	24.65	29.58						
	2.9		S37	B	Fallow	86	72	97	2.13	2.07	1.99	1.03	0.69	0.36		1.00	0.30	0.87	1.45	1.74						
	35.2		S37	D	Fallow	94	85	99	31.07	30.72	30.20	21.71	17.97	13.39		1.00	0.20	10.56	17.60	21.12						
	0.3		S37	B	Orchards, Evergreen, Fair	65	45	83	0.12	0.11	0.10	0.01	0.00	0.00		1.00	0.30	0.09	0.15	0.18						
	0.3		S37	C	Orchards, Evergreen, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18						
	0.4		S37	D	Orchards, Evergreen, Fair	82	66	95	0.27	0.26	0.24	0.11	0.06	0.02		1.00	0.20	0.12	0.20	0.24						
	1.3		S37	A	Row Crops, Good	67	47	85	0.55	0.51	0.46	0.08	0.01	0.00		1.00	0.40	0.39	0.65	0.78						
	8.7		S37	B	Row Crops, Good	78	61	93	5.19	4.96	4.64	1.70	0.86	0.21		1.00	0.30	2.61	4.35	5.22						
	3.0		S37	D	Row Crops, Good	89	76	98	2.37	2.32	2.25	1.32	0.96	0.58		1.00	0.20	0.90	1.50	1.80						
	11.1		S37	A	Residential 8-10 dwellings/acre	32	17	52	6.49	6.43	6.35	6.27	6.11	5.86		0.40	0.40	1.33	2.22	2.66						
	0.2		S37	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06						
	1.9		S37	A	Grass, Annual or Perennial, Fair	50	31	70	0.37	0.32	0.25	0.00	0.00	0.00		1.00	0.40	0.58	0.97	1.16						
	111.8		S37	C	Grass, Annual or Perennial, Fair	79	62	93	68.54	65.70	61.71	23.62	12.41	3.52		1.00	0.25	33.55	55.92	67.10						
	0.7		S37	A	Orchards, Evergreen, Fair	44	26	64	0.09	0.07	0.05	0.00	0.00	0.00		1.00	0.40	0.22	0.37	0.44						
	1.3		S37	A	Chaparral, Broadleaf, Fair	40	23	60	0.11	0.09	0.06	0.00	0.00	0.00		1.00	0.40	0.40	0.67	0.80						
	67799.0					Low Loss Fraction (1-Y) =								0.393	0.416	0.449	0.732	0.823	0.900	1.000		F _m =	0.283	0.471	0.565	0.000

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII					5.63									
	9.71		S1	A	Chaparral, Broadleaf, Fair	40	23	60	0.80	0.62	0.40	0.00	0.00	0.00	2.91	1.00	0.40	2.91	4.86	5.83	3.89		
	73.91		S1	B	Chaparral, Broadleaf, Fair	63	43	81	26.64	24.47	21.51	2.17	0.03	0.00		1.00	0.30	22.17	36.95	44.34			
	1029.81		S1	C	Chaparral, Broadleaf, Fair	75	57	91	561.21	533.25	493.67	155.61	67.16	8.65		1.00	0.25	308.94	514.91	617.89			
	758.05		S1	D	Chaparral, Broadleaf, Fair	81	64	95	489.34	471.37	445.49	185.45	105.41	36.92		1.00	0.20	227.41	379.02	454.83			
	52.00		S1	C	Fallow	91	80	98	42.91	42.19	41.12	26.13	20.06	13.19		1.00	0.25	15.60	26.00	31.20			
	2.73		S1	D	Fallow	94	85	99	2.41	2.38	2.34	1.68	1.39	1.03		1.00	0.20	0.82	1.36	1.64			
	54.84		S1	B	Woodland, Fair	60	40	79	17.44	15.85	13.70	0.79	0.00	0.00		1.00	0.30	16.45	27.42	32.90			
	58.35		S1	C	Woodland, Fair	73	55	89	29.92	28.28	25.99	7.29	2.74	0.14		1.00	0.25	17.51	29.18	35.01			
	1.95		S1	D	Woodland, Fair	79	62	93	1.19	1.14	1.07	0.41	0.21	0.06		1.00	0.20	0.59	0.98	1.17			
	48.35		S1	B	Woodland, Poor	66	46	84	19.56	18.13	16.18	2.42	0.28	0.00		1.00	0.30	14.50	24.17	29.01			
	44.42		S1	C	Woodland, Poor	77	59	92	25.67	24.50	22.85	7.97	3.83	0.79		1.00	0.25	13.32	22.21	26.65			
	95.06		S2	B	Chaparral, Broadleaf, Fair	63	43	81	34.27	31.47	27.66	2.79	0.04	0.00		1.00	0.30	28.52	47.53	57.04			
	1437.77		S2	C	Chaparral, Broadleaf, Fair	75	57	91	783.53	744.49	689.23	217.25	93.77	12.08		1.00	0.25	431.33	718.88	862.66			
	107.72		S2	D	Chaparral, Broadleaf, Fair	81	64	95	69.53	66.98	63.30	26.35	14.98	5.25		1.00	0.20	32.32	53.86	64.63			
	15.50		S2	B	Woodland, Fair	60	40	79	4.93	4.48	3.87	0.22	0.00	0.00		1.00	0.30	4.65	7.75	9.30			
	94.17		S2	C	Woodland, Fair	73	55	89	48.28	45.64	41.94	11.76	4.42	0.23		1.00	0.25	28.25	47.08	56.50			
	35.70		S2	B	Woodland, Grass, Fair	65	45	83	13.91	12.86	11.42	1.49	0.11	0.00		1.00	0.30	10.71	17.85	21.42			
	55.19		S2	C	Woodland, Grass, Fair	77	59	92	31.90	30.45	28.39	9.90	4.76	0.98		1.00	0.25	16.56	27.60	33.12			
	5.90		S3	A	Chaparral, Broadleaf, Fair	40	23	60	0.48	0.37	0.24	0.00	0.00	0.00		1.00	0.40	1.77	2.95	3.54			
	13.63		S3	B	Chaparral, Broadleaf, Fair	63	43	81	4.91	4.51	3.97	0.40	0.01	0.00		1.00	0.30	4.09	6.81	8.18			
	754.34		S3	C	Chaparral, Broadleaf, Fair	75	57	91	411.09	390.60	361.61	113.98	49.20	6.34		1.00	0.25	226.30	377.17	452.60			
	737.55		S3	D	Chaparral, Broadleaf, Fair	81	64	95	476.11	458.63	433.45	180.44	102.56	35.92		1.00	0.20	221.27	368.78	442.53			
	322.55		S3	C	Chaparral, Narrowleaf, Fair	81	64	95	208.21	200.57	189.55	78.91	44.85	15.71		1.00	0.25	96.76	161.27	193.53			
	642.13		S3	D	Chaparral, Narrowleaf, Fair	86	72	97	470.98	458.48	440.20	227.42	152.41	78.05		1.00	0.20	192.64	321.07	385.28			
	4.47		S3	C	Commercial, Industrial	69	50	86	4.07	4.04	4.00	3.93	3.78	3.58		0.10	0.25	0.13	0.22	0.27			
	8.45		S3	C	Grass, Annual or Perennial, Fair	79	62	93	5.17	4.96	4.65	1.77	0.93	0.26		1.00	0.25	2.54	4.23	5.07			
	0.97		S3	D	Grass, Annual or Perennial, Fair	84	69	96	0.68	0.66	0.63	0.30	0.19	0.08		1.00	0.20	0.29	0.49	0.58			
	9.81		S3	D	Open Brush, Fair	83	67	96	6.67	6.46	6.14	2.80	1.71	0.71		1.00	0.20	2.94	4.91	5.89			
	4.08		S3	B	Public Park	56	36	76	1.50	1.40	1.27	1.06	0.76	0.56		0.85	0.30	1.04	1.74	2.08			
	47.90		S3	C	Public Park	69	50	86	25.21	24.01	22.33	19.48	14.67	10.03		0.85	0.25	12.21	20.36	24.43			
	0.38		S3	C	Residential 1 acre lots	69	50	86	0.21	0.20	0.19	0.17	0.13	0.09		0.80	0.25	0.09	0.15	0.18			
	0.21		S3	D	Woodland, Fair	79	62	93	0.13	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12			
	2.60		S3	A	Woodland, Grass, Fair	44	26	64	0.32	0.26	0.19	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56			
	60.94		S3	B	Woodland, Grass, Fair	65	45	83	23.75	21.95	19.49	2.55	0.19	0.00		1.00	0.30	18.28	30.47	36.56			
	155.04		S3	C	Woodland, Grass, Fair	77	59	92	89.59	85.53	79.75	27.81	13.37	2.76		1.00	0.25	46.51	77.52	93.02			
	90.19		S3	D	Woodland, Grass, Fair	82	66	95	59.78	57.71	54.72	23.86	14.07	5.42		1.00	0.20	27.06	45.10	54.12			
	41.60		S4	A	Chaparral, Broadleaf, Fair	40	23	60	3.40	2.64	1.73	0.00	0.00	0.00		1.00	0.40	12.48	20.80	24.96			
	47.53		S4	B	Chaparral, Broadleaf, Fair	63	43	81	17.13	15.74	13.83	1.39	0.02	0.00		1.00	0.30	14.26	23.77	28.52			
	998.31		S4	C	Chaparral, Broadleaf, Fair	75	57	91	544.05	516.94	478.56	150.85	65.11	8.39		1.00	0.25	299.49	499.16	598.99			
	181.26		S4	D	Chaparral, Broadleaf, Fair	81	64	95	117.00	112.71	106.52	44.34	25.20	8.83		1.00	0.20	54.38	90.63	108.75			
	71.49		S4	C	Chaparral, Narrowleaf, Fair	81	64	95	46.15	44.45	42.01	17.49	9.94	3.48		1.00	0.25	21.45	35.74	42.89			
	0.93		S4	D	Chaparral, Narrowleaf, Fair	86	72	97	0.68	0.66	0.64	0.33	0.22	0.11		1.00	0.20	0.28	0.46	0.56			
	25.40		S4	B	Fallow	86	72	97	18.63	18.14	17.41	9.00	6.03	3.09		1.00	0.30	7.62	12.70	15.24			
	60.60		S4	C	Fallow	91	80	98	50.01	49.17	47.92	30.45	23.38	15.37		1.00	0.25	18.18	30.30	36.36			
	0.09		S4	D	Fallow	94	85	99	0.08	0.08	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.05			
	11.02		S4	B	Woodland, Fair	60	40	79	3.50	3.18	2.75	0.16	0.00	0.00		1.00	0.30	3.31	5.51	6.61			
	24.63		S4	C	Woodland, Fair	73	55	89	12.63	11.94	10.97	3.08	1.16	0.06		1.00	0.25	7.39	12.31	14.78			
	0.76		S4	B	Woodland, Poor	66	46	84	0.31	0.28	0.25	0.04	0.00	0.00		1.00	0.30	0.23	0.38	0.45			
	8.00		S4	C	Woodland, Poor	77	59	92	4.62	4.41	4.11	1.43	0.69	0.14		1.00	0.25	2.40	4.00	4.80			
	3.22		S5	B	Chaparral, Broadleaf, Fair	63	43	81	1.16	1.07	0.94	0.09	0.00	0.00		1.00	0.30	0.97	1.61	1.93			
	43.68		S5	C	Chaparral, Broadleaf, Fair	75	57	91	23.81	22.62	20.94	6.60	2.85	0.37		1.00	0.25	13.10	21.84	26.21			
	204.58		S5	D	Chaparral, Broadleaf, Fair	81	64	95	132.06	127.21	120.23	50.05	28.45	9.96		1.00	0.20	61.37	102.29	122.75			
	9.30		S5	B	Chaparral, Narrowleaf, Fair	72	53	89	4.62	4.36	3.99	1.05	0.36	0.01		1.00	0.30	2.79	4.65	5.58			
	283.71		S5	C	Chaparral, Narrowleaf, Fair	81	64	95	183.14	176.42	166.73	69.41	39.45	13.82		1.00	0.25	85.11	141.85	170.23			
	334.67		S5	D	Chaparral, Narrowleaf, Fair	86	72	97	245.46	238.95	229.42	118.52	79.43	40.68		1.00	0.20	100.40	167.33	200.80			
	3.04		S5	C	Residential 1 acre lots	69	50	86	1.68	1.61	1.51	1.33	1.04	0.76		0.80	0.25	0.73	1.22	1.46			
	10.47		S5	B	Woodland, Grass, Fair	65	45	83	4.08	3.77	3.35	0.44	0.03	0.00		1.00	0.30	3.14	5.24	6.28			
	4.29		S5	C	Woodland, Grass, Fair	77	59	92	2.48	2.37	2.21	0.77	0.37	0.08		1.00	0.25	1.29	2.15	2.58			
	21.26		S5	D	Woodland, Grass, Fair	82	66	95	14.09	13.61	12.90	5.62	3.32	1.28		1.00	0.20	6.38	10.63	12.76			
	20.32		S6	A	Chaparral, Broadleaf, Fair	40	23	60	1.66	1.29	0.84	0.00	0.00	0.00		1.00	0.40	6.10	10.16	12.19			
	479.80		S6	C	Chaparral, Broadleaf, Fair	75	57	91	261.48	248.45	230.01	72.50	31.29	4.03		1.00	0.25	143.94	239.90	287.88			
	439.63		S6	D	Chaparral, Broadleaf, Fair	81	64	95	283.79	273.37	258.36	107.55	61.13	21.41		1.00	0.20	131.89	219.81	263.78			
	0.04		S6	A	Chaparral, Narrowleaf, Fair	55	35	75	0.01	0.01	0.01	0.00	0.00	0.00									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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			HC
								100	50	25	10	5	2					> 5	5	2	
						AMC		P ₂₄ (Inches)						5.63							
						II	I	III													
	154.64		S7	C	Chaparral, Broadleaf, Fair	75	57	91	84.28	80.08	74.13	23.37	10.09	1.30		1.00	0.25	46.39	77.32	92.79	
	650.67		S7	D	Chaparral, Broadleaf, Fair	81	64	95	420.02	404.60	382.39	159.18	90.47	31.69		1.00	0.20	195.20	325.33	390.40	
	1.62		S7	A	Chaparral, Narrowleaf, Fair	55	35	75	0.41	0.36	0.30	0.00	0.00	0.00		1.00	0.40	0.49	0.81	0.97	
	1.83		S7	B	Chaparral, Narrowleaf, Fair	72	53	89	0.91	0.86	0.79	0.21	0.07	0.00		1.00	0.30	0.55	0.92	1.10	
	119.57		S7	C	Chaparral, Narrowleaf, Fair	81	64	95	77.18	74.35	70.27	29.25	16.63	5.82		1.00	0.25	35.87	59.78	71.74	
	705.90		S7	D	Chaparral, Narrowleaf, Fair	86	72	97	517.75	504.01	483.91	250.00	167.54	85.80		1.00	0.20	211.77	352.95	423.54	
	6.15		S7	C	Grass, Annual or Perennial, Fair	79	62	93	3.76	3.61	3.39	1.29	0.68	0.19		1.00	0.25	1.85	3.08	3.69	
	8.08		S7	D	Grass, Annual or Perennial, Fair	84	69	96	5.64	5.47	5.22	2.48	1.56	0.70		1.00	0.20	2.42	4.04	4.85	
	15.59		S7	C	Open Brush, Fair	77	59	92	9.01	8.60	8.02	2.80	1.34	0.28		1.00	0.25	4.68	7.79	9.35	
	77.13		S7	D	Open Brush, Fair	83	67	96	52.47	50.76	48.28	21.98	13.42	5.62		1.00	0.20	23.14	38.56	46.28	
	2.83		S7	C	Public Park	69	50	86	1.49	1.42	1.32	1.15	0.87	0.59		0.85	0.25	0.72	1.20	1.44	
	4.53		S7	C	Residential 1 acre lots	69	50	86	2.50	2.39	2.24	1.98	1.55	1.13		0.80	0.25	1.09	1.81	2.17	
	23.54		S7	C	School	69	50	86	15.40	14.95	14.33	13.27	11.44	9.57		0.60	0.25	4.24	7.06	8.48	
	0.65		S7	D	School	75	57	91	0.46	0.45	0.44	0.41	0.36	0.30		0.60	0.20	0.12	0.20	0.24	
	10.99		S7	A	Woodland, Grass, Fair	44	26	64	1.33	1.09	0.80	0.00	0.00	0.00		1.00	0.40	3.30	5.50	6.59	
	27.31		S7	B	Woodland, Grass, Fair	65	45	83	10.64	9.84	8.74	1.14	0.08	0.00		1.00	0.30	8.19	13.66	16.39	
	66.03		S7	C	Woodland, Grass, Fair	77	59	92	38.16	36.43	33.96	11.84	5.70	1.18		1.00	0.25	19.81	33.01	39.62	
	83.68		S7	D	Woodland, Grass, Fair	82	66	95	55.47	53.54	50.77	22.13	13.06	5.03		1.00	0.20	25.10	41.84	50.21	
	2.17		S8	A	Chaparral, Broadleaf, Fair	40	23	60	0.18	0.14	0.09	0.00	0.00	0.00		1.00	0.40	0.65	1.08	1.30	
	62.77		S8	C	Chaparral, Broadleaf, Fair	75	57	91	34.21	32.50	30.09	9.48	4.09	0.53		1.00	0.25	18.83	31.39	37.66	
	828.83		S8	D	Chaparral, Broadleaf, Fair	81	64	95	535.02	515.38	487.09	202.77	115.25	40.37		1.00	0.20	248.65	414.41	497.30	
	4.58		S8	A	Chaparral, Narrowleaf, Fair	55	35	75	1.15	1.02	0.85	0.00	0.00	0.00		1.00	0.40	1.37	2.29	2.75	
	473.80		S8	C	Chaparral, Narrowleaf, Fair	81	64	95	305.85	294.62	278.45	115.91	65.88	23.08		1.00	0.25	142.14	236.90	284.28	
	380.43		S8	D	Chaparral, Narrowleaf, Fair	86	72	97	279.03	271.62	260.79	134.73	90.29	46.24		1.00	0.20	114.13	190.21	228.26	
	9.56		S8	A	Open Brush, Fair	46	28	66	1.36	1.14	0.86	0.00	0.00	0.00		1.00	0.40	2.87	4.78	5.74	
	98.44		S8	C	Open Brush, Fair	77	59	92	56.89	54.31	50.64	17.65	8.49	1.76		1.00	0.25	29.53	49.22	59.06	
	318.26		S8	D	Open Brush, Fair	83	67	96	216.49	209.44	199.22	90.71	55.39	23.18		1.00	0.20	95.48	159.13	190.95	
	14.99		S8	A	Woodland, Grass, Fair	44	26	64	1.82	1.49	1.09	0.00	0.00	0.00		1.00	0.40	4.50	7.50	9.00	
	21.60		S8	C	Woodland, Grass, Fair	77	59	92	12.48	11.92	11.11	3.87	1.86	0.39		1.00	0.25	6.48	10.80	12.96	
	53.83		S8	D	Woodland, Grass, Fair	82	66	95	35.68	34.44	32.66	14.24	8.40	3.24		1.00	0.20	16.15	26.91	32.30	
	0.97		S9	A	Chaparral, Broadleaf, Fair	40	23	60	0.08	0.06	0.04	0.00	0.00	0.00		1.00	0.40	0.29	0.48	0.58	
	5.45		S9	B	Chaparral, Broadleaf, Fair	63	43	81	1.96	1.80	1.59	0.16	0.00	0.00		1.00	0.30	1.63	2.72	3.27	
	476.00		S9	C	Chaparral, Broadleaf, Fair	75	57	91	259.40	246.48	228.18	71.92	31.04	4.00		1.00	0.25	142.80	238.00	285.60	
	240.06		S9	D	Chaparral, Broadleaf, Fair	81	64	95	154.96	149.27	141.08	58.73	33.38	11.69		1.00	0.20	72.02	120.03	144.03	
	1.16		S9	B	Chaparral, Narrowleaf, Fair	72	53	89	0.57	0.54	0.50	0.13	0.04	0.00		1.00	0.30	0.35	0.58	0.69	
	602.70		S9	C	Chaparral, Narrowleaf, Fair	81	64	95	389.05	374.77	354.19	147.45	83.80	29.35		1.00	0.25	180.81	301.35	361.62	
	212.84		S9	D	Chaparral, Narrowleaf, Fair	86	72	97	156.11	151.96	145.90	75.38	50.52	25.87		1.00	0.20	63.85	106.42	127.70	
	0.26		S9	A	Open Brush, Fair	46	28	66	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.08	0.13	0.16	
	0.06		S9	B	Open Brush, Fair	66	46	84	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.03	
	118.82		S9	C	Open Brush, Fair	77	59	92	68.67	65.55	61.12	21.31	10.25	2.12		1.00	0.25	35.65	59.41	71.29	
	74.36		S9	D	Open Brush, Fair	83	67	96	50.58	48.93	46.54	21.19	12.94	5.42		1.00	0.20	22.31	37.18	44.61	
	6.82		S9	D	Open Brush, Good	81	64	95	4.40	4.24	4.01	1.67	0.95	0.33		1.00	0.20	2.05	3.41	4.09	
	6.34		S9	A	Woodland, Grass, Fair	44	26	64	0.77	0.63	0.46	0.00	0.00	0.00		1.00	0.40	1.90	3.17	3.81	
	12.90		S9	B	Woodland, Grass, Fair	65	45	83	5.03	4.65	4.13	0.54	0.04	0.00		1.00	0.30	3.87	6.45	7.74	
	52.70		S9	C	Woodland, Grass, Fair	77	59	92	30.45	29.07	27.11	9.45	4.55	0.94		1.00	0.25	15.81	26.35	31.62	
	16.07		S9	D	Woodland, Grass, Fair	82	66	95	10.65	10.28	9.75	4.25	2.51	0.97		1.00	0.20	4.82	8.04	9.64	
	65.47		S10	A	Chaparral, Broadleaf, Fair	40	23	60	5.36	4.16	2.72	0.00	0.00	0.00		1.00	0.40	19.64	32.74	39.28	
	1.23		S10	B	Chaparral, Broadleaf, Fair	63	43	81	0.44	0.41	0.36	0.04	0.00	0.00		1.00	0.30	0.37	0.61	0.74	
	0.16		S10	C	Chaparral, Broadleaf, Fair	75	57	91	0.09	0.08	0.08	0.02	0.01	0.00		1.00	0.25	0.05	0.08	0.10	
	247.92		S10	D	Chaparral, Broadleaf, Fair	81	64	95	160.04	154.16	145.70	60.65	34.47	12.08		1.00	0.20	74.38	123.96	148.75	
	0.16		S10	A	Chaparral, Narrowleaf, Fair	55	35	75	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.05	0.08	0.09	
	0.11		S10	C	Chaparral, Narrowleaf, Fair	81	64	95	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.06	0.07	
	65.21		S10	D	Chaparral, Narrowleaf, Fair	86	72	97	47.83	46.56	44.70	23.09	15.48	7.93		1.00	0.20	19.56	32.60	39.13	
	5.06		S10	A	Open Brush, Fair	46	28	66	0.72	0.60	0.46	0.00	0.00	0.00		1.00	0.40	1.52	2.53	3.04	
	105.84		S10	D	Open Brush, Fair	83	67	96	72.00	69.65	66.25	30.17	18.42	7.71		1.00	0.20	31.75	52.92	63.51	
	2.32		S10	A	Open Brush, Good	41	24	61	0.21	0.17	0.11	0.00	0.00	0.00		1.00	0.40	0.70	1.16	1.39	
	0.27		S10	B	Open Brush, Good	63	43	81	0.10	0.09	0.08	0.01	0.00	0.00		1.00	0.30	0.08	0.14	0.16	
	155.88		S10	C	Open Brush, Good	75	57	91	84.95	80.72	74.73	23.55	10.17	1.31		1.00	0.25	46.76	77.94	93.53	
	158.20		S10	D	Open Brush, Good	81	64	95	102.12	98.37	92.97	38.70	22.00	7.71		1.00	0.20	47.46	79.10	94.92	
	0.39		S10	B	Public Park	56	36	76	0.14	0.13	0.12	0.10	0.07	0.05		0.85	0.30	0.10	0.16	0.20	
	9.13		S10	A	Residential 1 acre lots	32	17	52	1.91	1.83	1.76	1.72									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC				P ₂₄ (Inches)												
						II	I	III	AMC I/AMCII				5.63									
	22.90		S11	C	Chaparral, Narrowleaf, Fair	81	64	95	14.78	14.24	13.46	5.60	3.18	1.12		1.00	0.25	6.87	11.45	13.74		
	683.24		S11	D	Chaparral, Narrowleaf, Fair	86	72	97	501.13	487.83	468.38	241.97	162.17	83.04		1.00	0.20	204.97	341.62	409.94		
	9.74		S11	B	Grass, Annual or Perennial, Fair	69	50	86	4.38	4.10	3.71	0.77	0.18	0.00		1.00	0.30	2.92	4.87	5.85		
	13.55		S11	C	Grass, Annual or Perennial, Fair	79	62	93	8.29	7.95	7.46	2.84	1.49	0.42		1.00	0.25	4.07	6.78	8.13		
	0.86		S11	D	Grass, Annual or Perennial, Fair	84	69	96	0.60	0.58	0.56	0.26	0.17	0.07		1.00	0.20	0.26	0.43	0.52		
	9.65		S11	C	Open Brush, Fair	77	59	92	5.57	5.32	4.96	1.73	0.83	0.17		1.00	0.25	2.89	4.82	5.79		
	112.49		S11	D	Open Brush, Fair	83	67	96	76.52	74.03	70.42	32.06	19.58	8.19		1.00	0.20	33.75	56.25	67.50		
	1.41		S11	B	Public Park	56	36	76	0.52	0.48	0.44	0.37	0.26	0.19		0.85	0.30	0.36	0.60	0.72		
	5.39		S11	C	Public Park	69	50	86	2.83	2.70	2.51	2.19	1.65	1.13		0.85	0.25	1.37	2.29	2.75		
	1.78		S11	D	Public Park	75	57	91	1.08	1.04	0.98	0.88	0.69	0.49		0.85	0.20	0.45	0.76	0.91		
	0.27		S11	C	Woodland, Fair	73	55	89	0.14	0.13	0.12	0.03	0.01	0.00		1.00	0.25	0.08	0.14	0.16		
	45.10		S11	D	Woodland, Fair	79	62	93	27.57	26.45	24.83	9.45	4.96	1.39		1.00	0.20	13.53	22.55	27.06		
	13.34		S11	B	Woodland, Grass, Fair	65	45	83	5.20	4.81	4.27	0.56	0.04	0.00		1.00	0.30	4.00	6.67	8.00		
	61.25		S11	C	Woodland, Grass, Fair	77	59	92	35.40	33.79	31.51	10.99	5.28	1.09		1.00	0.25	18.38	30.63	36.75		
	24.56		S11	D	Woodland, Grass, Fair	82	66	95	16.28	15.72	14.90	6.50	3.83	1.48		1.00	0.20	7.37	12.28	14.74		
	17.17		S12	A	Chaparral, Broadleaf, Fair	40	23	60	1.41	1.09	0.71	0.00	0.00	0.00		1.00	0.40	5.15	8.58	10.30		
	306.06		S12	C	Chaparral, Broadleaf, Fair	75	57	91	166.79	158.48	146.72	46.25	19.96	2.57		1.00	0.25	91.82	153.03	183.64		
	487.33		S12	D	Chaparral, Broadleaf, Fair	81	64	95	314.58	303.04	286.40	119.22	67.76	23.74		1.00	0.20	146.20	243.67	292.40		
	12.40		S12	A	Chaparral, Narrowleaf, Fair	55	35	75	3.11	2.77	2.31	0.01	0.00	0.00		1.00	0.40	3.72	6.20	7.44		
	68.72		S12	C	Chaparral, Narrowleaf, Fair	81	64	95	44.36	42.73	40.38	16.81	9.56	3.35		1.00	0.25	20.62	34.36	41.23		
	724.53		S12	D	Chaparral, Narrowleaf, Fair	86	72	97	531.41	517.31	496.68	256.60	171.96	88.06		1.00	0.20	217.36	362.26	434.72		
	7.07		S12	A	Open Brush, Fair	46	28	66	1.01	0.85	0.64	0.00	0.00	0.00		1.00	0.40	2.12	3.54	4.24		
	0.89		S12	C	Open Brush, Fair	77	59	92	0.51	0.49	0.46	0.16	0.08	0.02		1.00	0.25	0.27	0.45	0.53		
	407.66		S12	D	Open Brush, Fair	83	67	96	277.31	268.28	255.19	116.20	70.95	29.70		1.00	0.20	122.30	203.83	244.60		
	0.26		S12	C	Public Park	69	50	86	0.14	0.13	0.12	0.10	0.08	0.05		0.85	0.25	0.07	0.11	0.13		
	0.00		S12	D	Public Park	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.85	0.20	0.00	0.00	0.00		
	6.85		S12	A	Woodland, Grass, Fair	44	26	64	0.83	0.68	0.50	0.00	0.00	0.00		1.00	0.40	2.06	3.43	4.11		
	22.97		S12	B	Woodland, Grass, Fair	65	45	83	8.95	8.27	7.35	0.96	0.07	0.00		1.00	0.30	6.89	11.48	13.78		
	248.53		S12	C	Woodland, Grass, Fair	77	59	92	143.62	137.11	127.84	44.57	21.44	4.43		1.00	0.25	74.56	124.27	149.12		
	60.03		S12	D	Woodland, Grass, Fair	82	66	95	39.79	38.41	36.42	15.88	9.37	3.61		1.00	0.20	18.01	30.02	36.02		
	15.97		S13	A	Chaparral, Broadleaf, Fair	40	23	60	1.31	1.01	0.66	0.00	0.00	0.00		1.00	0.40	4.79	7.98	9.58		
	7.05		S13	B	Chaparral, Broadleaf, Fair	63	43	81	2.54	2.33	2.05	0.21	0.00	0.00		1.00	0.30	2.11	3.52	4.23		
	645.40		S13	C	Chaparral, Broadleaf, Fair	75	57	91	351.72	334.20	309.39	97.52	42.09	5.42		1.00	0.25	193.62	322.70	387.24		
	120.49		S13	D	Chaparral, Broadleaf, Fair	81	64	95	77.78	74.92	70.81	29.48	16.75	5.87		1.00	0.20	36.15	60.24	72.29		
	25.50		S13	A	Chaparral, Narrowleaf, Fair	55	35	75	6.40	5.69	4.75	0.02	0.00	0.00		1.00	0.40	7.65	12.75	15.30		
	11.66		S13	B	Chaparral, Narrowleaf, Fair	72	53	89	5.79	5.46	5.00	1.31	0.45	0.01		1.00	0.30	3.50	5.83	7.00		
	497.07		S13	C	Chaparral, Narrowleaf, Fair	81	64	95	320.87	309.09	292.12	121.61	69.12	24.21		1.00	0.25	149.12	248.53	298.24		
	451.84		S13	D	Chaparral, Narrowleaf, Fair	86	72	97	331.41	322.61	309.75	160.02	107.24	54.92		1.00	0.20	135.55	225.92	271.11		
	4.19		S13	A	Open Brush, Fair	46	28	66	0.60	0.50	0.38	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52		
	1.00		S13	B	Open Brush, Fair	66	46	84	0.40	0.37	0.33	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60		
	104.58		S13	C	Open Brush, Fair	77	59	92	60.44	57.70	53.80	18.76	9.02	1.86		1.00	0.25	31.37	52.29	62.75		
	161.75		S13	D	Open Brush, Fair	83	67	96	110.03	106.44	101.25	46.10	28.15	11.78		1.00	0.20	48.52	80.87	97.05		
	0.22		S13	A	Open Brush, Good	41	24	61	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13		
	0.06		S13	B	Open Brush, Good	63	43	81	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04		
	51.44		S13	C	Open Brush, Good	75	57	91	28.03	26.64	24.66	7.77	3.35	0.43		1.00	0.25	15.43	25.72	30.86		
	0.09		S13	D	Open Brush, Good	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06		
	5.18		S13	A	Public Park	32	17	52	0.84	0.80	0.75	0.73	0.71	0.68		0.85	0.40	1.32	2.20	2.64		
	2.52		S13	B	Public Park	56	36	76	0.93	0.87	0.78	0.65	0.47	0.34		0.85	0.30	0.64	1.07	1.28		
	0.28		S13	D	Public Park	75	57	91	0.17	0.16	0.15	0.14	0.11	0.08		0.85	0.20	0.07	0.12	0.14		
	24.00		S13	A	Residential 1 acre lots	32	17	52	5.02	4.82	4.63	4.52	4.40	4.22		0.80	0.40	5.76	9.60	11.52		
	3.86		S13	B	Residential 1 acre lots	56	36	76	1.56	1.47	1.35	1.16	0.88	0.70		0.80	0.30	0.93	1.54	1.85		
	9.01		S13	C	Residential 1 acre lots	69	50	86	4.97	4.76	4.46	3.95	3.08	2.24		0.80	0.25	2.16	3.60	4.32		
	36.94		S13	A	Woodland, Grass, Fair	44	26	64	4.48	3.67	2.68	0.00	0.00	0.00		1.00	0.40	11.08	18.47	22.17		
	12.05		S13	B	Woodland, Grass, Fair	65	45	83	4.69	4.34	3.85	0.50	0.04	0.00		1.00	0.30	3.61	6.02	7.23		
	24.51		S13	C	Woodland, Grass, Fair	77	59	92	14.16	13.52	12.61	4.40	2.11	0.44		1.00	0.25	7.35	12.25	14.70		
	7.65		S13	D	Woodland, Grass, Fair	82	66	95	5.07	4.89	4.64	2.02	1.19	0.46		1.00	0.20	2.29	3.82	4.59		
	21.26		S14	A	Chaparral, Broadleaf, Fair	40	23	60	1.74	1.35	0.88	0.00	0.00	0.00		1.00	0.40	6.38	10.63	12.75		
	367.70		S14	C	Chaparral, Broadleaf, Fair	75	57	91	200.38	190.40	176.26	55.56	23.98	3.09		1.00	0.25	110.31	183.85	220.62		
	287.86		S14	D	Chaparral, Broadleaf, Fair	81	64	95	185.82	179.00	169.17	70.42	40.03	14.02		1.00	0.20	86.36	143.93	172.72		
	14.04		S14	A	Chaparral, Narrowleaf, Fair	55	35	75	3.52	3.13	2.62	0.01	0.00	0.00		1.00	0.40	4.21	7.02	8.43		
	0.02		S14	B	Chaparral, Narrowleaf, Fair	72	53	89	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01		
	174.85		S14	C	Chaparral, Narrowleaf, Fair	81	64	95	112.87	108.73	102.76	42.78	24.31	8.52		1.00	0.25	52.46	87.43	104.91		
	279.25		S14	D	Chaparral, Narrowleaf, Fair	86	72	97	204.82	199.3												

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															
	2.48		S14	B	Public Park	56	36	76	0.91	0.85	0.77	0.64	0.46	0.34		0.85	0.30	0.63	1.05	1.26			
	0.73		S14	D	Public Park	75	57	91	0.44	0.42	0.40	0.36	0.28	0.20		0.85	0.20	0.19	0.31	0.37			
	50.10		S14	A	Woodland, Grass, Fair	44	26	64	6.07	4.98	3.63	0.00	0.00	0.00	1.00	0.40	15.03	25.05	30.06				
	0.85		S14	B	Woodland, Grass, Fair	65	45	83	0.33	0.31	0.27	0.04	0.00	0.00	1.00	0.30	0.25	0.42	0.51				
	13.64		S14	C	Woodland, Grass, Fair	77	59	92	7.88	7.53	7.02	2.45	1.18	0.24	1.00	0.25	4.09	6.82	8.18				
	12.11		S14	D	Woodland, Grass, Fair	82	66	95	8.03	7.75	7.35	3.20	1.89	0.73	1.00	0.20	3.63	6.06	7.27				
	35.60		S15	A	Chaparral, Broadleaf, Fair	40	23	60	2.91	2.26	1.48	0.00	0.00	0.00	1.00	0.40	10.68	17.80	21.36				
	20.35		S15	B	Chaparral, Broadleaf, Fair	63	43	81	7.34	6.74	5.92	0.60	0.01	0.00	1.00	0.30	6.10	10.17	12.21				
	209.04		S15	C	Chaparral, Broadleaf, Fair	75	57	91	113.92	108.24	100.21	31.59	13.63	1.76	1.00	0.25	62.71	104.52	125.42				
	53.93		S15	D	Chaparral, Broadleaf, Fair	81	64	95	34.81	33.53	31.69	13.19	7.50	2.63	1.00	0.20	16.18	26.96	32.36				
	0.29		S15	A	Chaparral, Narrowleaf, Fair	55	35	75	0.07	0.06	0.05	0.00	0.00	0.00	1.00	0.40	0.09	0.14	0.17				
	1.07		S15	B	Chaparral, Narrowleaf, Fair	72	53	89	0.53	0.50	0.46	0.12	0.04	0.00	1.00	0.30	0.32	0.54	0.64				
	52.44		S15	C	Chaparral, Narrowleaf, Fair	81	64	95	33.85	32.61	30.82	12.83	7.29	2.55	1.00	0.25	15.73	26.22	31.46				
	102.66		S15	D	Chaparral, Narrowleaf, Fair	86	72	97	75.30	73.30	70.38	36.36	24.37	12.48	1.00	0.20	30.80	51.33	61.60				
	3.28		S15	A	Commercial, Industrial	32	17	52	2.84	2.83	2.81	2.78	2.70	2.59	0.10	0.40	0.10	0.16	0.20				
	11.67		S15	C	Commercial, Industrial	69	50	86	10.61	10.54	10.43	10.24	9.86	9.34	0.10	0.25	0.35	0.58	0.70				
	12.74		S15	D	Commercial, Industrial	75	57	91	11.70	11.63	11.51	11.31	10.88	10.30	0.10	0.20	0.38	0.64	0.76				
	2.49		S15	A	Grass, Annual or Perennial, Fair	50	31	70	0.47	0.41	0.32	0.00	0.00	0.00	1.00	0.40	0.75	1.25	1.49				
	5.03		S15	B	Grass, Annual or Perennial, Fair	69	50	86	2.26	2.12	1.91	0.40	0.10	0.00	1.00	0.30	1.51	2.52	3.02				
	30.99		S15	C	Grass, Annual or Perennial, Fair	79	62	93	18.95	18.17	17.06	6.50	3.41	0.95	1.00	0.25	9.30	15.50	18.59				
	91.48		S15	D	Grass, Annual or Perennial, Fair	84	69	96	63.84	61.89	59.05	28.02	17.66	7.95	1.00	0.20	27.44	45.74	54.89				
	174.55		S15	A	Open Brush, Fair	46	28	66	24.89	20.85	15.74	0.00	0.00	0.00	1.00	0.40	52.37	87.28	104.73				
	23.72		S15	B	Open Brush, Fair	66	46	84	9.59	8.90	7.94	1.19	0.14	0.00	1.00	0.30	7.11	11.86	14.23				
	742.96		S15	C	Open Brush, Fair	77	59	92	429.34	409.88	382.18	133.25	64.09	13.25	1.00	0.25	222.89	371.48	445.77				
	293.38		S15	D	Open Brush, Fair	83	67	96	199.57	193.07	183.65	83.62	51.06	21.37	1.00	0.20	88.01	146.69	176.03				
	4.49		S15	A	Residential 5-7 dwellings/acre	32	17	52	2.20	2.18	2.14	2.11	2.06	1.98	0.50	0.40	0.67	1.12	1.35				
	1.27		S15	C	Residential 5-7 dwellings/acre	69	50	86	0.89	0.87	0.84	0.79	0.71	0.61	0.50	0.25	0.19	0.32	0.38				
	0.11		S15	D	Residential 5-7 dwellings/acre	75	57	91	0.09	0.08	0.08	0.08	0.07	0.06	0.50	0.20	0.02	0.03	0.03				
	285.97		S15	A	Woodland, Grass, Fair	44	26	64	34.66	28.44	20.71	0.00	0.00	0.00	1.00	0.40	85.79	142.99	171.58				
	28.71		S15	B	Woodland, Grass, Fair	65	45	83	11.19	10.34	9.18	1.20	0.09	0.00	1.00	0.30	8.61	14.36	17.23				
	33.62		S15	C	Woodland, Grass, Fair	77	59	92	19.43	18.55	17.29	6.03	2.90	0.60	1.00	0.25	10.09	16.81	20.17				
	89.19		S15	D	Woodland, Grass, Fair	82	66	95	59.12	57.07	54.11	23.59	13.92	5.36	1.00	0.20	26.76	44.60	53.52				
	21.74		S16	D	Barren	93	83	99	18.76	18.51	18.15	12.53	10.12	7.24	1.00	0.20	6.52	10.87	13.04				
	10.52		S16	A	Chaparral, Broadleaf, Fair	40	23	60	0.86	0.67	0.44	0.00	0.00	0.00	1.00	0.40	3.16	5.26	6.31				
	914.67		S16	C	Chaparral, Broadleaf, Fair	75	57	91	498.46	473.63	438.47	138.21	59.65	7.68	1.00	0.25	274.40	457.34	548.80				
	860.30		S16	D	Chaparral, Broadleaf, Fair	81	64	95	555.34	534.95	505.58	210.47	119.62	41.90	1.00	0.20	258.09	430.15	516.18				
	3.59		S16	A	Chaparral, Narrowleaf, Fair	55	35	75	0.90	0.80	0.67	0.00	0.00	0.00	1.00	0.40	1.08	1.79	2.15				
	147.16		S16	C	Chaparral, Narrowleaf, Fair	81	64	95	95.00	91.51	86.49	36.00	20.46	7.17	1.00	0.25	44.15	73.58	88.30				
	541.02		S16	D	Chaparral, Narrowleaf, Fair	86	72	97	396.81	386.28	370.88	191.61	128.41	65.76	1.00	0.20	162.31	270.51	324.61				
	1.56		S16	A	Open Brush, Fair	46	28	66	0.22	0.19	0.14	0.00	0.00	0.00	1.00	0.40	0.47	0.78	0.94				
	21.05		S16	C	Open Brush, Fair	77	59	92	12.17	11.62	10.83	3.78	1.82	0.38	1.00	0.25	6.32	10.53	12.63				
	492.25		S16	D	Open Brush, Fair	83	67	96	334.85	323.94	308.13	140.31	85.67	35.86	1.00	0.20	147.68	246.13	295.35				
	112.03		S16	C	Residential 2.5 acre lots	69	50	86	56.12	53.15	49.03	42.04	30.30	19.04	0.90	0.25	30.25	50.41	60.50				
	3.80		S16	A	Woodland, Grass, Fair	44	26	64	0.46	0.38	0.27	0.00	0.00	0.00	1.00	0.40	1.14	1.90	2.28				
	63.48		S16	C	Woodland, Grass, Fair	77	59	92	36.68	35.02	32.65	11.38	5.48	1.13	1.00	0.25	19.04	31.74	38.09				
	10.66		S16	D	Woodland, Grass, Fair	82	66	95	7.07	6.82	6.47	2.82	1.66	0.64	1.00	0.20	3.20	5.33	6.40				
	0.53		S17	A	Barren	78	61	93	0.31	0.30	0.28	0.10	0.05	0.01	1.00	0.40	0.16	0.26	0.32				
	21.11		S17	C	Barren	91	80	98	17.42	17.12	16.69	10.61	8.14	5.35	1.00	0.25	6.33	10.55	12.66				
	20.15		S17	D	Barren	93	83	99	17.39	17.16	16.82	11.61	9.38	6.71	1.00	0.20	6.04	10.07	12.09				
	72.38		S17	A	Chaparral, Broadleaf, Fair	40	23	60	5.92	4.59	3.01	0.00	0.00	0.00	1.00	0.40	21.71	36.19	43.43				
	209.48		S17	C	Chaparral, Broadleaf, Fair	75	57	91	114.16	108.47	100.42	31.65	13.66	1.76	1.00	0.25	62.84	104.74	125.69				
	13.50		S17	D	Chaparral, Broadleaf, Fair	81	64	95	8.72	8.40	7.94	3.30	1.88	0.66	1.00	0.20	4.05	6.75	8.10				
	9.54		S17	A	Chaparral, Narrowleaf, Fair	55	35	75	2.39	2.13	1.78	0.01	0.00	0.00	1.00	0.40	2.86	4.77	5.72				
	1.42		S17	B	Chaparral, Narrowleaf, Fair	72	53	89	0.71	0.67	0.61	0.16	0.06	0.00	1.00	0.30	0.43	0.71	0.85				
	11.72		S17	C	Chaparral, Narrowleaf, Fair	81	64	95	7.57	7.29	6.89	2.87	1.63	0.57	1.00	0.25	3.52	5.86	7.03				
	1.51		S17	D	Chaparral, Narrowleaf, Fair	86	72	97	1.11	1.08	1.04	0.54	0.36	0.18	1.00	0.20	0.45	0.76	0.91				
	0.07		S17	A	Commercial, Industrial	32	17	52	0.06	0.06	0.06	0.06	0.06	0.05	0.10	0.40	0.00	0.00	0.00				
	7.31		S17	C	Commercial, Industrial	69	50	86	6.64	6.60	6.53	6.41	6.17	5.85	0.10	0.25	0.22	0.37	0.44				
	6.95		S17	D	Commercial, Industrial	75	57	91	6.39	6.35	6.28	6.17	5.94	5.62	0.10	0.20	0.21	0.35	0.42				
	0.08		S17	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.01	0.01	0.00	0.00	0.00	1.00	0.40	0.02	0.04	0.05				
	0.41		S17	B	Grass, Annual or Perennial, Fair	69	50	86	0.18	0.17	0.15	0.03	0.01	0.00	1.00	0.30	0.12	0.20	0.24				
	0.48		S17	C	Grass, Annual or Perennial, Fair	79	62	93	0.30	0.28	0.27	0.10	0.05	0.01	1.00	0.25	0.14	0.24	0.29				
	29.46		S17	D	Grass, Annual or Perennial, Fair	84	69	96	20.56	19.93	19.02	9.02	5.69	2.56	1.00	0.20	8.84	14.73	17.68				
	139.45		S17	A	Open Brush, Fair	46	28	66	19.89	16.66	12.57	0.00	0.00	0.00	1.00	0.40	41.84	69.73	83.67				
	11.51		S17	B	Open Brush, Fair	66	46	84	4.66	4.32	3.85	0.58	0.07	0.00	1.00	0.30	3.45	5.75	6.91				
	503.55		S17	C	Open Brush, Fair																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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)				
								EV				HC						EV				
								100	50	25	10	5	2	100	Storm Event (Year)							
								P ₂₄ (Inches)										EV				
						II	I	III														

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100	Storm Event (Year)													
						AMC			P ₂₄ (Inches)					AMC 1/AMCII										EV		
						II	I	III						5.63					> 5					5	2	All
	2.82			S22	B	Chaparral, Broadleaf, Fair	63	43	81	1.02	0.93	0.82	0.08	0.00	0.00		1.00	0.30	0.84	1.41	1.69					
	393.29			S22	C	Chaparral, Broadleaf, Fair	75	57	91	214.33	203.65	188.53	59.43	25.65	3.30		1.00	0.25	117.99	196.64	235.97					
	179.87			S22	D	Chaparral, Broadleaf, Fair	81	64	95	116.11	111.85	105.71	44.01	25.01	8.76		1.00	0.20	53.96	89.94	107.92					
	0.08			S22	A	Chaparral, Narrowleaf, Fair	55	35	75	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.05					
	121.85			S22	C	Chaparral, Narrowleaf, Fair	81	64	95	78.66	75.77	71.61	29.81	16.94	5.93		1.00	0.25	36.56	60.93	73.11					
	144.00			S22	D	Chaparral, Narrowleaf, Fair	86	72	97	105.62	102.81	98.72	51.00	34.18	17.50		1.00	0.20	43.20	72.00	86.40					
	2.33			S22	B	Commercial, Industrial	56	36	76	2.07	2.06	2.04	2.00	1.94	1.84		0.10	0.30	0.07	0.12	0.14					
	2.24			S22	C	Commercial, Industrial	69	50	86	2.04	2.02	2.00	1.97	1.89	1.80		0.10	0.25	0.07	0.11	0.13					
	2.22			S22	D	Commercial, Industrial	75	57	91	2.04	2.03	2.01	1.97	1.90	1.80		0.10	0.20	0.07	0.11	0.13					
	4.94			S22	A	Grass, Annual or Perennial, Fair	50	31	70	0.93	0.81	0.64	0.00	0.00	0.00		1.00	0.40	1.48	2.47	2.97					
	15.92			S22	B	Grass, Annual or Perennial, Fair	69	50	86	7.16	6.70	6.06	1.25	0.30	0.00		1.00	0.30	4.78	7.96	9.55					
	56.74			S22	C	Grass, Annual or Perennial, Fair	79	62	93	34.69	33.27	31.24	11.89	6.25	1.74		1.00	0.25	17.02	28.37	34.05					
	301.98			S22	D	Grass, Annual or Perennial, Fair	84	69	96	210.73	204.30	194.94	92.49	58.30	26.23		1.00	0.20	90.59	150.99	181.19					
	42.78			S22	A	Open Brush, Fair	46	28	66	6.10	5.11	3.86	0.00	0.00	0.00		1.00	0.40	12.84	21.39	25.67					
	14.27			S22	B	Open Brush, Fair	66	46	84	5.77	5.35	4.78	0.72	0.08	0.00		1.00	0.30	4.28	7.13	8.56					
	483.19			S22	C	Open Brush, Fair	77	59	92	279.23	266.57	248.55	86.66	41.68	8.62		1.00	0.25	144.96	241.59	289.91					
	756.78			S22	D	Open Brush, Fair	83	67	96	514.80	498.03	473.72	215.71	131.71	55.13		1.00	0.20	227.03	378.39	454.07					
	4.36			S22	B	Public Park	56	36	76	1.61	1.50	1.36	1.13	0.81	0.60		0.85	0.30	1.11	1.85	2.22					
	55.87			S22	C	Public Park	69	50	86	29.41	28.01	26.04	22.72	17.12	11.70		0.85	0.25	14.25	23.75	28.50					
	83.63			S22	D	Public Park	75	57	91	50.78	48.81	46.01	41.12	32.38	23.05		0.85	0.20	21.33	35.54	42.65					
	1.75			S22	C	Residential 2 dwellings/acre	69	50	86	1.05	1.02	0.96	0.88	0.72	0.57		0.70	0.25	0.37	0.61	0.73					
	1.81			S22	D	Residential 2 dwellings/acre	75	57	91	1.21	1.17	1.12	1.03	0.87	0.69		0.70	0.20	0.38	0.63	0.76					
	34.00			S22	B	Residential 3-4 dwellings/acre	56	36	76	18.44	17.82	16.98	15.65	13.64	12.07		0.60	0.30	6.12	10.20	12.24					
	9.18			S22	C	Residential 3-4 dwellings/acre	69	50	86	6.00	5.83	5.59	5.17	4.46	3.73		0.60	0.25	1.65	2.75	3.30					
	87.11			S22	D	Residential 3-4 dwellings/acre	75	57	91	61.93	60.39	58.20	54.33	47.30	39.48		0.60	0.20	15.68	26.13	31.36					
	35.58			S22	B	Residential 5-7 dwellings/acre	56	36	76	21.78	21.21	20.45	19.22	17.33	15.74		0.50	0.30	5.34	8.90	10.67					
	115.58			S22	C	Residential 5-7 dwellings/acre	69	50	86	81.48	79.60	76.95	72.41	64.46	56.08		0.50	0.25	17.34	28.89	34.67					
	173.99			S22	D	Residential 5-7 dwellings/acre	75	57	91	130.93	128.26	124.44	117.71	105.31	91.22		0.50	0.20	26.10	43.50	52.20					
	18.54			S22	B	Turf, Good	58	38	77	5.39	4.86	4.14	3.01	1.37	0.22		1.00	0.30	5.56	9.27	11.12					
	96.29			S22	C	Turf, Good	72	53	89	47.83	45.11	41.29	34.74	23.46	12.20		1.00	0.25	28.89	48.14	57.77					
	50.29			S22	D	Turf, Good	79	62	93	30.75	29.49	27.69	24.48	18.58	11.97		1.00	0.20	15.09	25.15	30.18					
	0.24			S22	D	Turf, Good	79	62	93	0.15	0.14	0.13	0.12	0.09	0.06		1.00	0.20	0.07	0.12	0.14					
	6.37			S22	B	Water	98	95	100	6.11	6.09	6.06	5.99	5.84	5.60		0.00	0.30	0.00	0.00	0.00					
	13.17			S22	C	Water	98	95	100	12.65	12.60	12.53	12.39	12.08	11.58		0.00	0.25	0.00	0.00	0.00					
	4.04			S22	D	Water	98	95	100	3.88	3.87	3.85	3.80	3.71	3.56		0.00	0.20	0.00	0.00	0.00					
	111.58			S22	A	Woodland, Grass, Fair	44	26	64	13.52	11.10	8.08	0.00	0.00	0.00		1.00	0.40	33.47	55.79	66.95					
	10.81			S22	B	Woodland, Grass, Fair	65	45	83	4.21	3.89	3.46	0.45	0.03	0.00		1.00	0.30	3.24	5.40	6.48					
	116.11			S22	C	Woodland, Grass, Fair	77	59	92	67.10	64.05	59.73	20.82	10.02	2.07		1.00	0.25	34.83	58.05	69.66					
	182.56			S22	D	Woodland, Grass, Fair	82	66	95	121.00	116.81	110.76	48.29	28.49	10.98		1.00	0.20	54.77	91.28	109.54					
	9.49			S23	A	Chaparral, Broadleaf, Fair	40	23	60	0.78	0.60	0.39	0.00	0.00	0.00		1.00	0.40	2.85	4.75	5.69					
	40.94			S23	C	Chaparral, Broadleaf, Fair	75	57	91	22.31	21.20	19.63	6.19	2.67	0.34		1.00	0.25	12.28	20.47	24.56					
	3.64			S23	D	Chaparral, Broadleaf, Fair	81	64	95	2.35	2.26	2.14	0.89	0.51	0.18		1.00	0.20	1.09	1.82	2.18					
	4.78			S23	A	Grass, Annual or Perennial, Fair	50	31	70	0.90	0.78	0.62	0.00	0.00	0.00		1.00	0.40	1.43	2.39	2.87					
	3.71			S23	B	Grass, Annual or Perennial, Fair	69	50	86	1.67	1.56	1.41	0.29	0.07	0.00		1.00	0.30	1.11	1.85	2.22					
	67.78			S23	C	Grass, Annual or Perennial, Fair	79	62	93	41.44	39.74	37.31	14.21	7.46	2.08		1.00	0.25	20.33	33.89	40.67					
	228.76			S23	D	Grass, Annual or Perennial, Fair	84	69	96	159.63	154.76	147.67	70.06	44.16	19.87		1.00	0.20	68.63	114.38	137.25					
	16.32			S23	A	Open Brush, Fair	46	28	66	2.33	1.95	1.47	0.00	0.00	0.00		1.00	0.40	4.90	8.16	9.79					
	27.24			S23	B	Open Brush, Fair	66	46	84	11.02	10.22	9.12	1.37	0.16	0.00		1.00	0.30	8.17	13.62	16.35					
	492.24			S23	C	Open Brush, Fair	77	59	92	284.46	271.56	253.21	88.28	42.46	8.78		1.00	0.25	147.67	246.12	295.34					
	351.19			S23	D	Open Brush, Fair	83	67	96	238.89	231.11	219.83	100.10	61.12	25.58		1.00	0.20	105.36	175.59	210.71					
	0.08			S23	D	Public Park	75	57	91	0.05	0.04	0.04	0.04	0.03	0.02		0.85	0.20	0.02	0.03	0.04					
	1.08			S23	C	Residential 3-4 dwellings/acre	69	50	86	0.71	0.69	0.66	0.61	0.53	0.44		0.60	0.25	0.19	0.32	0.39					
	0.00			S23	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00					
	142.11			S23	A	Woodland, Grass, Fair	44	26	64	17.22	14.13	10.29	0.00	0.00	0.00		1.00	0.40	42.63	71.05	85.26					
	6.84			S23	B	Woodland, Grass, Fair	65	45	83	2.67	2.46	2.19	0.29	0.29	0.02	0.00		1.00	0.30	2.05	3.42	4.10				
	139.99			S23	C	Woodland, Grass, Fair	77	59	92	80.90	77.23	72.01	25.11	12.08	2.50		1.00	0.25	42.00	70.00	84.00					
	47.57			S23	D	Woodland, Grass, Fair	82	66	95	31.53	30.44	28.86	12.58	7.42	2.86		1.00	0.20	14.27	23.78	28.54					
	13.09			S24	A	Chaparral, Broadleaf, Fair	40	23	60	1.07	0.83	0.54	0.00	0.00	0.00		1.00									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	50	25	10	5	2	100									
								AMC				P ₂₄ (Inches)											
						II	I	III	AMC 1/AMCII														
	491.04		S24	D	Open Brush, Fair	83	67	96	334.02	323.14	307.37	139.96	85.46	35.77		1.00	0.20	147.31	245.52	294.62			
	103.80		S24	A	Woodland, Grass, Fair	44	26	64	12.58	10.32	7.52	0.00	0.00	0.00		1.00	0.40	31.14	51.90	62.28			
	3.00		S24	B	Woodland, Grass, Fair	65	45	83	1.17	1.08	0.96	0.13	0.01	0.00		1.00	0.30	0.90	1.50	1.80			
	103.45		S24	C	Woodland, Grass, Fair	77	59	92	59.78	57.07	53.22	18.55	8.92	1.84		1.00	0.25	31.04	51.73	62.07			
	80.24		S24	D	Woodland, Grass, Fair	82	66	95	53.18	51.34	48.68	21.22	12.52	4.83		1.00	0.20	24.07	40.12	48.14			
	0.38		S25	A	Chaparral, Broadleaf, Fair	40	23	60	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.11	0.19	0.23			
	10.79		S25	B	Chaparral, Broadleaf, Fair	63	43	81	3.89	3.57	3.14	0.32	0.00	0.00		1.00	0.30	3.24	5.39	6.47			
	180.22		S25	C	Chaparral, Broadleaf, Fair	75	57	91	98.21	93.32	86.39	27.23	11.75	1.51		1.00	0.25	54.07	90.11	108.13			
	52.57		S25	D	Chaparral, Broadleaf, Fair	81	64	95	33.94	32.69	30.90	12.86	7.31	2.56		1.00	0.20	15.77	26.29	31.54			
	7.58		S25	B	Chaparral, Narrowleaf, Fair	72	53	89	3.77	3.55	3.25	0.85	0.29	0.01		1.00	0.30	2.27	3.79	4.55			
	94.15		S25	C	Chaparral, Narrowleaf, Fair	81	64	95	60.78	58.55	55.33	23.03	13.09	4.59		1.00	0.25	28.25	47.08	56.49			
	99.70		S25	D	Chaparral, Narrowleaf, Fair	86	72	97	73.13	71.19	68.35	35.31	23.66	12.12		1.00	0.20	29.91	49.85	59.82			
	5.79		S25	A	Grass, Annual or Perennial, Fair	50	31	70	1.09	0.94	0.75	0.00	0.00	0.00		1.00	0.40	1.74	2.90	3.48			
	16.90		S25	B	Grass, Annual or Perennial, Fair	69	50	86	7.61	7.11	6.43	1.33	0.32	0.00		1.00	0.30	5.07	8.45	10.14			
	11.07		S25	C	Grass, Annual or Perennial, Fair	79	62	93	6.77	6.49	6.09	2.32	1.22	0.34		1.00	0.25	3.32	5.53	6.64			
	114.48		S25	D	Grass, Annual or Perennial, Fair	84	69	96	79.89	77.45	73.90	35.06	22.10	9.94		1.00	0.20	34.34	57.24	68.69			
	94.58		S25	A	Open Brush, Fair	46	28	66	13.49	11.30	8.53	0.00	0.00	0.00		1.00	0.40	28.38	47.29	56.75			
	159.36		S25	B	Open Brush, Fair	66	46	84	64.45	59.77	53.33	7.99	0.93	0.00		1.00	0.30	47.81	79.68	95.61			
	612.94		S25	C	Open Brush, Fair	77	59	92	354.21	338.16	315.30	109.93	52.87	10.93		1.00	0.25	183.88	306.47	367.77			
	479.25		S25	D	Open Brush, Fair	83	67	96	326.01	315.39	300.00	136.60	83.41	34.91		1.00	0.20	143.78	239.63	287.55			
	33.85		S25	A	Public Park	32	17	52	5.49	5.20	4.92	4.78	4.66	4.47		0.85	0.40	8.63	14.39	17.27			
	7.86		S25	B	Public Park	56	36	76	2.89	2.70	2.45	2.04	1.46	1.07		0.85	0.30	2.00	3.34	4.01			
	3.30		S25	C	Public Park	69	50	86	1.74	1.65	1.54	1.34	1.01	0.69		0.85	0.25	0.84	1.40	1.68			
	2.46		S25	D	Public Park	75	57	91	1.50	1.44	1.36	1.21	0.95	0.68		0.85	0.20	0.63	1.05	1.26			
	173.60		S25	A	Woodland, Grass, Fair	44	26	64	21.04	17.27	12.57	0.00	0.00	0.00		1.00	0.40	52.08	86.80	104.16			
	26.34		S25	B	Woodland, Grass, Fair	65	45	83	10.26	9.49	8.42	1.10	0.08	0.00		1.00	0.30	7.90	13.17	15.80			
	132.01		S25	C	Woodland, Grass, Fair	77	59	92	76.29	72.83	67.91	23.68	11.39	2.35		1.00	0.25	39.60	66.01	79.21			
	30.90		S25	D	Woodland, Grass, Fair	82	66	95	20.48	19.77	18.75	8.17	4.82	1.86		1.00	0.20	9.27	15.45	18.54			
	0.20	E-1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.10	0.09	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11			
	0.50	E-1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27			
	0.80	E-1	S26.1	D	Commercial	75	57	91	0.73	0.73	0.72	0.71	0.68	0.65		0.10	0.20	0.02	0.04	0.05			
	0.10	E-2	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	2.10	E-2	S26.1	D	Commercial	75	57	91	1.93	1.92	1.90	1.86	1.79	1.70		0.10	0.20	0.06	0.11	0.13			
	0.70	E-2	S26.1	D	Residential 2.5 acre lots	75	57	91	0.41	0.39	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38			
	0.60	E-2.1	S26.1	B	Commercial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04			
	0.20	E-2.1	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.05	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11			
	3.00	E-2.1	S26.1	C	Commercial	69	50	86	2.73	2.71	2.68	2.63	2.53	2.40		0.10	0.25	0.09	0.15	0.18			
	0.10	E-2.1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05			
	1.70	E-2.1	S26.1	D	Commercial	75	57	91	1.56	1.55	1.54	1.51	1.45	1.37		0.10	0.20	0.05	0.09	0.10			
	0.50	E-2.1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27			
	2.00	E-3	S26.1	C	Residential 2.5 acre lots	69	50	86	1.00	0.95	0.88	0.75	0.54	0.34		0.90	0.25	0.54	0.90	1.08			
	2.20	E-3	S26.1	D	Residential 2.5 acre lots	75	57	91	1.29	1.24	1.16	1.02	0.78	0.53		0.90	0.20	0.59	0.99	1.19			
	4.20	E-3	S26.1	B	Residential 2.5 acre lots	56	36	76	1.40	1.29	1.15	0.92	0.60	0.39		0.90	0.30	1.13	1.89	2.27			
	5.30	E-3	S26.1	B	Commercial	56	36	76	4.72	4.69	4.64	4.56	4.40	4.20		0.10	0.30	0.16	0.27	0.32			
	7.10	E-3	S26.1	D	Commercial	75	57	91	6.52	6.48	6.42	6.30	6.07	5.74		0.10	0.20	0.21	0.36	0.43			
	8.60	E-3	S26.1	C	Commercial	69	50	86	7.82	7.77	7.69	7.55	7.27	6.88		0.10	0.25	0.26	0.43	0.52			
	0.60	E-4	S26.1	A	Residential 2.5 acre lots	32	17	52	0.07	0.06	0.06	0.06	0.06	0.05		0.90	0.40	0.16	0.27	0.32			
	1.30	E-4	S26.1	B	Residential 2.5 acre lots	56	36	76	0.43	0.40	0.36	0.29	0.19	0.12		0.90	0.30	0.35	0.59	0.70			
	5.60	E-4	S26.1	A	Commercial	32	17	52	4.85	4.83	4.80	4.74	4.62	4.43		0.10	0.40	0.17	0.28	0.34			
	8.30	E-4	S26.1	B	Commercial	56	36	76	7.39	7.34	7.27	7.14	6.90	6.57		0.10	0.30	0.25	0.42	0.50			
	5.60	E-5	S26.1	A	Apartments	32	17	52	4.32	4.30	4.26	4.21	4.11	3.94		0.20	0.40	0.34	0.56	0.67			
	12.30	E-5	S26.1	B	Apartments	56	36	76	10.10	9.99	9.85	9.60	9.16	8.67		0.20	0.30	0.74	1.23	1.48			
	0.50	E-5	S26.1	A	Commercial	32	17	52	0.43	0.43	0.43	0.42	0.41	0.40		0.10	0.40	0.02	0.03	0.03			
	5.40	E-5	S26.1	B	Commercial	56	36	76	4.81	4.78	4.73	4.65	4.49	4.28		0.10	0.30	0.16	0.27	0.32			
	4.70	E-5	S26.1	A	Residential 2.5 acre lots	32	17	52	0.54	0.50	0.46	0.44	0.43	0.41		0.90	0.40	1.27	2.12	2.54			
	4.20	E-5	S26.1	B	Residential 2.5 acre lots	56	36	76	1.40	1.29	1.15	0.92	0.60	0.39		0.90	0.30	1.13	1.89	2.27			
	9.90	E-5	S26.1	A	Commercial	32	17	52	8.58	8.53	8.48	8.38	8.17	7.84		0.10	0.40	0.30	0.50	0.59			
	0.10	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	0.10	OE-1	S26.1	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.20	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.11	0.10	0.10	0.03	0.01	0.00		1.00	0.25	0.06	0.10	0.12			
	0.50	OE-1	S26.1	C	Open Brush, Fair	77	59	92	0.29	0.28	0.26	0.09	0.04	0.01		1.00	0.25	0.15	0.25	0.30			
	2.10	OE-2	S26.1	D	Open Brush, Fair	83	67	96	1.43	1.38	1.31	0.60	0.37	0.15		1.00	0.20	0.63	1.05	1.26			
	3.10	OE-2	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	1.69	1.61	1.49	0.4											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														
	10.40	OE-3	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.67	5.39	4.99	1.57	0.68	0.09		1.00	0.25	3.12	5.20	6.24			
	0.10	OE-4	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
	0.30	OE-4	S26.1	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.60	OE-4	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36			
	0.10	OE-5	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.90	OE-5	S26.1	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.25	0.20	0.13	0.08		0.90	0.30	0.24	0.41	0.49			
	1.30	OE-5	S26.1	B	Commercial	56	36	76	1.16	1.15	1.14	1.12	1.08	1.03		0.10	0.30	0.04	0.07	0.08			
	0.80	OE-5	S26.1	D	Open Brush, Fair	83	67	96	0.54	0.53	0.50	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.48			
	2.40	OE-5	S26.1	C	Open Brush, Fair	77	59	92	1.39	1.32	1.23	0.43	0.21	0.04		1.00	0.25	0.72	1.20	1.44			
	3.20	OE-5	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.07	1.99	1.88	0.78	0.44	0.16		1.00	0.20	0.96	1.60	1.92			
	4.00	OE-5	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.44	1.32	1.16	0.12	0.00	0.00		1.00	0.30	1.20	2.00	2.40			
	7.10	OE-5	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	3.87	3.68	3.40	1.07	0.46	0.06		1.00	0.25	2.13	3.55	4.26			
	1.00	OE-6	S26.1	B	Commercial	56	36	76	0.89	0.88	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06			
	0.20	OE-6	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.05	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11			
	0.50	OE-6	S26.1	B	Open Brush, Fair	66	46	84	0.20	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	1.80	OE-6	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.98	0.93	0.86	0.27	0.12	0.02		1.00	0.25	0.54	0.90	1.08			
	2.60	OE-6	S26.1	D	Open Brush, Fair	83	67	96	1.77	1.71	1.63	0.74	0.45	0.19		1.00	0.20	0.78	1.30	1.56			
	3.40	OE-6	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.23	1.13	0.99	0.10	0.00	0.00		1.00	0.30	1.02	1.70	2.04			
	3.60	OE-6	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.32	2.24	2.12	0.88	0.50	0.18		1.00	0.20	1.08	1.80	2.16			
	0.10	OE-6	S26.1	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	4.60	OE-6	S26.1	C	Open Brush, Fair	77	59	92	2.66	2.54	2.37	0.82	0.40	0.08		1.00	0.25	1.38	2.30	2.76			
	0.7	F-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.45	0.44	0.41	0.17	0.10	0.03		1.00	0.20	0.21	0.35	0.42			
	0.5	F-1	S26.2	D	Open Brush, Fair	83	67	96	0.34	0.33	0.31	0.14	0.09	0.04		1.00	0.20	0.15	0.25	0.30			
	0.2	F-2	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	5.5	F-2	S26.2	B	Commercial	56	36	76	4.90	4.86	4.82	4.73	4.57	4.36		0.10	0.30	0.17	0.28	0.33			
	0.2	F-2	S26.2	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.1	F-2	S26.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05			
	0.1	F-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	1.0	F-2	S26.2	C	Commercial	69	50	86	0.91	0.90	0.89	0.88	0.84	0.80		0.10	0.25	0.03	0.05	0.06			
	0.2	F-2	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	0.1	F-2	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05			
	3.2	F-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.07	1.99	1.88	0.78	0.44	0.16		1.00	0.20	0.96	1.60	1.92			
	3.4	F-2	S26.2	D	Commercial	75	57	91	3.12	3.10	3.07	3.02	2.91	2.75		0.10	0.20	0.10	0.17	0.20			
	3.3	F-2	S26.2	D	Open Brush, Fair	83	67	96	2.24	2.17	2.07	0.94	0.57	0.24		1.00	0.20	0.99	1.65	1.98			
	0.7	F-2	S26.2	D	Residential 2.5 acre lots	75	57	91	0.41	0.39	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38			
	0.5	F-3	S26.2	C	Residential 2.5 acre lots	69	50	86	0.25	0.24	0.22	0.19	0.14	0.08		0.90	0.25	0.14	0.23	0.27			
	2.1	F-3	S26.2	B	Residential 2.5 acre lots	56	36	76	0.70	0.65	0.57	0.46	0.30	0.20		0.90	0.30	0.57	0.95	1.13			
	3.0	F-3	S26.2	D	Residential 2.5 acre lots	75	57	91	1.76	1.69	1.58	1.40	1.07	0.72		0.90	0.20	0.81	1.35	1.62			
	5.9	F-3	S26.2	D	Commercial	75	57	91	5.42	5.38	5.33	5.24	5.04	4.77		0.10	0.20	0.18	0.30	0.35			
	7.7	F-3	S26.2	C	Commercial	69	50	86	7.00	6.95	6.88	6.76	6.51	6.16		0.10	0.25	0.23	0.39	0.46			
	13.6	F-3	S26.2	B	Commercial	56	36	76	12.11	12.03	11.91	11.70	11.30	10.77		0.10	0.30	0.41	0.68	0.82			
	3.8	F-4	S26.2	B	Commercial	56	36	76	3.38	3.36	3.33	3.27	3.16	3.01		0.10	0.30	0.11	0.19	0.23			
	0.6	F-4	S26.2	C	Commercial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04			
	0.1	F-4	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	2.4	F-4	S26.2	B	Residential 2.5 acre lots	56	36	76	0.80	0.74	0.66	0.53	0.34	0.22		0.90	0.30	0.65	1.08	1.30			
	2.2	F-4	S26.2	C	Residential 2.5 acre lots	69	50	86	1.10	1.04	0.96	0.83	0.60	0.37		0.90	0.25	0.59	0.99	1.19			
	0.3	F-4	S26.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16			
	12.3	F-5	S26.2	A	Commercial	32	17	52	10.65	10.60	10.53	10.41	10.15	9.73		0.10	0.40	0.37	0.62	0.74			
	26.8	F-5	S26.2	B	Commercial	56	36	76	23.86	23.70	23.47	23.06	22.26	21.23		0.10	0.30	0.80	1.34	1.61			
	2.0	F-5	S26.2	C	Commercial	69	50	86	1.82	1.81	1.79	1.76	1.69	1.60		0.10	0.25	0.06	0.10	0.12			
	2.7	F-5	S26.2	A	Residential 2.5 acre lots	32	17	52	0.31	0.29	0.26	0.25	0.25	0.24		0.90	0.40	0.73	1.22	1.46			
	0.8	F-5	S26.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.22	0.18	0.11	0.07		0.90	0.30	0.22	0.36	0.43			
	2.1	F-5	S26.2	C	Residential 2.5 acre lots	69	50	86	1.05	1.00	0.92	0.79	0.57	0.36		0.90	0.25	0.57	0.95	1.13			
	8.0	F-5	S26.2	A	Water	98	95	100	7.68	7.65	7.61	7.52	7.33	7.04		0.00	0.40	0.00	0.00	0.00			
	0.1	OF-1	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	0.5	OF-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30			
	1.0	OF-1	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.17	0.07		1.00	0.20	0.30	0.50	0.60			
	0.6	OF-10	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36			
	0.1	OF-11	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05			
	0.4	OF-11	S26.2	C	Commercial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02			
	0.3	OF-11	S26.2	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	4.3	OF-11	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.34	2.23	2.06	0.65	0.28	0.04		1.00	0.25	1.29	2.15	2.58			
	0.1	OF-13	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03</					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	
									EV															100	
									100	50	25	10	5	2	100										
						AMC			P ₂₄ (Inches)					5.63											
									II	I	III	AMC 1/AMCII													
	0.4	OF-15	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24					
	1.0	OF-15	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.17	0.07		1.00	0.20	0.30	0.50	0.60					
	0.1	OF-16	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06					
	0.4	OF-16	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24					
	0.6	OF-16	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.35	0.33	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36					
	0.7	OF-16	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.49	0.47	0.45	0.21	0.14	0.06		1.00	0.20	0.21	0.35	0.42					
	0.6	OF-17	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36					
	1.5	OF-17	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.05	1.01	0.97	0.46	0.29	0.13		1.00	0.20	0.45	0.75	0.90					
	1.7	OF-17	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.04	1.00	0.94	0.36	0.19	0.05		1.00	0.25	0.51	0.85	1.02					
	3.4	OF-17	S26.2	C	Open Brush, Fair	77	59	92	1.96	1.88	1.75	0.61	0.29	0.06		1.00	0.25	1.02	1.70	2.04					
	7.2	OF-17	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.92	3.73	3.45	1.09	0.47	0.06		1.00	0.25	2.16	3.60	4.32					
	0.1	OF-18	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06					
	0.1	OF-18	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06					
	0.6	OF-18	S26.2	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36					
	2.1	OF-18	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.28	1.23	1.16	0.44	0.23	0.06		1.00	0.25	0.63	1.05	1.26					
	8.9	OF-18	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	4.85	4.61	4.27	1.34	0.58	0.07		1.00	0.25	2.67	4.45	5.34					
	14.8	OF-18	S26.2	C	Open Brush, Fair	77	59	92	8.55	8.17	7.61	2.65	1.28	0.26		1.00	0.25	4.44	7.40	8.88					
	0.1	OF-19	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06					
	0.4	OF-19	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24					
	0.4	OF-19	S26.2	D	Open Brush, Fair	83	67	96	0.27	0.26	0.25	0.11	0.07	0.03		1.00	0.20	0.12	0.20	0.24					
	2.9	OF-19	S26.2	B	Open Brush, Fair	66	46	84	1.17	1.09	0.97	0.15	0.02	0.00		1.00	0.30	0.87	1.45	1.74					
	5.2	OF-19	S26.2	C	Open Brush, Fair	77	59	92	3.00	2.87	2.67	0.93	0.45	0.09		1.00	0.25	1.56	2.60	3.12					
	9.5	OF-19	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.18	4.92	4.55	1.44	0.62	0.08		1.00	0.25	2.85	4.75	5.70					
	1.0	OF-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.54	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60					
	0.6	OF-2	S26.2	C	Open Brush, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36					
	2.3	OF-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.48	1.43	1.35	0.56	0.32	0.11		1.00	0.20	0.69	1.15	1.38					
	1.0	OF-2	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.17	0.07		1.00	0.20	0.30	0.50	0.60					
	0.2	OF-20	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12					
	0.5	OF-20	S26.2	B	Woodland, Grass, Fair	65	45	83	0.19	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30					
	1.2	OF-20	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.73	0.70	0.66	0.25	0.13	0.04		1.00	0.25	0.36	0.60	0.72					
	3.6	OF-20	S26.2	C	Woodland, Grass, Fair	77	59	92	2.08	1.99	1.85	0.65	0.31	0.06		1.00	0.25	1.08	1.80	2.16					
	3.8	OF-20	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.71	1.60	1.45	0.30	0.07	0.00		1.00	0.30	1.14	1.90	2.28					
	6.1	OF-20	S26.2	B	Open Brush, Fair	66	46	84	2.47	2.29	2.04	0.31	0.04	0.00		1.00	0.30	1.83	3.05	3.66					
	14.3	OF-20	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	7.79	7.40	6.86	2.16	0.93	0.12		1.00	0.25	4.29	7.15	8.58					
	21.6	OF-20	S26.2	C	Open Brush, Fair	77	59	92	12.48	11.92	11.11	3.87	1.86	0.39		1.00	0.25	6.48	10.80	12.96					
	0.3	OF-21	S26.2	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18					
	0.3	OF-21	S26.2	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18					
	0.6	OF-21	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36					
	2.3	OF-21	S26.2	C	Woodland, Grass, Fair	77	59	92	1.33	1.27	1.18	0.41	0.20	0.04		1.00	0.25	0.69	1.15	1.38					
	3.2	OF-21	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.74	1.66	1.53	0.48	0.21	0.03		1.00	0.25	0.96	1.60	1.92					
	0.1	OF-3	S26.2	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06					
	4.6	OF-3	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.51	2.38	2.21	0.70	0.30	0.04		1.00	0.25	1.38	2.30	2.76					
	4.0	OF-3	S26.2	C	Open Brush, Fair	77	59	92	2.31	2.21	2.06	0.72	0.35	0.07		1.00	0.25	1.20	2.00	2.40					
	0.6	OF-3	S26.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36					
	2.7	OF-3	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.74	1.68	1.59	0.66	0.38	0.13		1.00	0.20	0.81	1.35	1.62					
	5.1	OF-3	S26.2	D	Open Brush, Fair	83	67	96	3.47	3.36	3.19	1.45	0.89	0.37		1.00	0.20	1.53	2.55	3.06					
	0.2	OF-4	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12					
	0.7	OF-4	S26.2	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.20	0.12	0.05		1.00	0.20	0.21	0.35	0.42					
	0.2	OF-5	S26.2	D	Woodland, Grass, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12					
	1.0	OF-5	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.54	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60					
	1.4	OF-5	S26.2	C	Open Brush, Fair	77	59	92	0.81	0.77	0.72	0.25	0.12	0.02		1.00	0.25	0.42	0.70	0.84					
	4.4	OF-5	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.84	2.74	2.59	1.08	0.61	0.21		1.00	0.20	1.32	2.20	2.64					
	6.7	OF-5	S26.2	D	Open Brush, Fair	83	67	96	4.56	4.41	4.19	1.91	1.17	0.49		1.00	0.20	2.01	3.35	4.02					
	0.7	OF-6	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.45	0.44	0.41	0.17	0.10	0.03		1.00	0.20	0.21	0.35	0.42					
	1.4	OF-6	S26.2	D	Woodland, Grass, Fair	82	66	95	0.93	0.90	0.85	0.37	0.22	0.08		1.00	0.20	0.42	0.70	0.84					
	5.4	OF-6	S26.2	D	Open Brush, Fair	83	67	96	3.67	3.55	3.38	1.54	0.94	0.39		1.00	0.20	1.62	2.70	3.24					
	0.6	OF-7	S26.2	B	Woodland, Grass, Fair	65	45	83	0.23	0.22	0.19	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36					
	0.8	OF-7	S26.2	C	Woodland, Grass, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48					
	0.8	OF-7	S26.2	B	Open Brush, Fair	66	46	84	0.32	0.30	0.27	0.04	0.00	0.00		1.00	0.30	0.24	0.40	0.48					
	1.1	OF-7	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.40	0.36	0.32	0.03	0.00	0.00		1.00	0.30	0.33	0.55	0.66					
	5.2	OF-7	S26.2	D	Woodland, Grass, Fair	82	66	95	3.45	3.33	3.15	1.38	0.81	0.31		1.00	0.20	1.56	2.60	3.12					
	6.3	OF-7	S26.2	C	Chaparral, Broadleaf, Fair	75																			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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							
									EV							HC							
									100	50	25	10	5	2	100								
						AMC			P ₂₄ (Inches)					5.63									
									II	I	III	AMC 1/AMCII											
	0.9	OF-8	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.40	0.38	0.34	0.07	0.02	0.00		1.00	0.30	0.27	0.45	0.54			
	3.8	OF-8	S26.2	D	Open Brush, Fair	83	67	96	2.58	2.50	2.38	1.08	0.66	0.28		1.00	0.20	1.14	1.90	2.28			
	4.2	OF-8	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.71	2.61	2.47	1.03	0.58	0.20		1.00	0.20	1.26	2.10	2.52			
	5.1	OF-8	S26.2	C	Woodland, Grass, Fair	77	59	92	2.95	2.81	2.62	0.91	0.44	0.09		1.00	0.25	1.53	2.55	3.06			
	7.0	OF-8	S26.2	C	Open Brush, Fair	77	59	92	4.05	3.86	3.60	1.26	0.60	0.12		1.00	0.25	2.10	3.50	4.20			
	12.0	OF-8	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	6.54	6.21	5.75	1.81	0.78	0.10		1.00	0.25	3.60	6.00	7.20			
	0.5	OF-9	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.35	0.34	0.32	0.15	0.10	0.04		1.00	0.20	0.15	0.25	0.30			
	0.7	OF-9	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.25	0.23	0.20	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	2.3	OF-9	S26.2	C	Woodland, Grass, Fair	77	59	92	1.33	1.27	1.18	0.41	0.20	0.04		1.00	0.25	0.69	1.15	1.38			
	2.4	OF-9	S26.2	B	Open Brush, Fair	66	46	84	0.97	0.90	0.80	0.12	0.01	0.00		1.00	0.30	0.72	1.20	1.44			
	2.5	OF-9	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.12	1.05	0.95	0.20	0.05	0.00		1.00	0.30	0.75	1.25	1.50			
	3.2	OF-9	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.96	1.88	1.76	0.67	0.35	0.10		1.00	0.25	0.96	1.60	1.92			
	7.4	OF-9	S26.2	D	Woodland, Grass, Fair	82	66	95	4.90	4.73	4.49	1.96	1.15	0.45		1.00	0.20	2.22	3.70	4.44			
	12.4	OF-9	S26.2	C	Open Brush, Fair	77	59	92	7.17	6.84	6.38	2.22	1.07	0.22		1.00	0.25	3.72	6.20	7.44			
	28.2	OF-9	S26.2	D	Open Brush, Fair	83	67	96	19.18	18.56	17.65	8.04	4.91	2.05		1.00	0.20	8.46	14.10	16.92			
	31.4	OF-9	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	20.27	19.53	18.45	7.68	4.37	1.53		1.00	0.20	9.42	15.70	18.84			
	42.4	OF-9	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	23.11	21.96	20.33	6.41	2.77	0.36		1.00	0.25	12.72	21.20	25.44			
	0.8	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48			
	2.9	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.68	1.60	1.49	0.52	0.25	0.05		1.00	0.25	0.87	1.45	1.74			
	14.8	O-3	S26.3	C	Open Brush, Fair	77	59	92	8.55	8.17	7.61	2.65	1.28	0.26		1.00	0.25	4.44	7.40	8.88			
	0.2	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.10	0.09	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11			
	0.1	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	11.7	O-4	S26.3	C	Open Brush, Fair	77	59	92	6.76	6.45	6.02	2.10	1.01	0.21		1.00	0.25	3.51	5.85	7.02			
	1.9	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	0.95	0.90	0.83	0.71	0.51	0.32		0.90	0.25	0.51	0.86	1.03			
	0.1	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.3	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	2.3	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.77	0.71	0.63	0.51	0.33	0.21		0.90	0.30	0.62	1.04	1.24			
	0.6	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.23	0.22	0.19	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	1	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.54	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60			
	8.2	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.74	4.52	4.22	1.47	0.71	0.15		1.00	0.25	2.46	4.10	4.92			
	6.2	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	3.11	2.94	2.71	2.33	1.68	1.05		0.90	0.25	1.67	2.79	3.35			
	0.20	26.3-1	S26.3	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	0.20	26.3-1	S26.3	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.50	26.3-1	S26.3	B	Woodland, Grass, Fair	65	45	83	0.19	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	0.90	26.3-1	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.49	0.47	0.43	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54			
	0.50	26.3-1	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.29	0.28	0.10	0.06	0.02		1.00	0.25	0.15	0.25	0.30			
	11.50	26.3-1	S26.3	C	Open Brush, Fair	77	59	92	6.65	6.34	5.92	2.06	0.99	0.21		1.00	0.25	3.45	5.75	6.90			
	0.30	26.3-1	S26.3	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.20	26.3-2	S26.3	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	1.30	26.3-2	S26.3	C	Open Brush, Fair	77	59	92	0.75	0.72	0.67	0.23	0.11	0.02		1.00	0.25	0.39	0.65	0.78			
	1.3	26.3-2	S26.3	A	Public Park	32	17	52	0.21	0.20	0.19	0.18	0.18	0.17		0.85	0.40	0.33	0.55	0.66			
	1.4	26.3-2	S26.3	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40	0.04	0.07	0.08			
	1.7	26.3-2	S26.3	A	Residential 2.5 acre lots	32	17	52	0.20	0.18	0.17	0.16	0.16	0.15		0.90	0.40	0.46	0.77	0.92			
	12.4	26.3-2	S26.3	A	Open Brush, Fair	46	28	66	1.77	1.48	1.12	0.00	0.00	0.00		1.00	0.40	3.72	6.20	7.44			
	26.9	26.3-2	S26.3	A	Woodland, Grass, Fair	44	26	64	3.26	2.68	1.95	0.00	0.00	0.00		1.00	0.40	8.07	13.45	16.14			
	0.5	26.3-3	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30			
	0.4	26.3-3	S26.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.14	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	0.4	26.3-3	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.22	0.21	0.19	0.06	0.03	0.00		1.00	0.25	0.12	0.20	0.24			
	0.6	26.3-3	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.35	0.33	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	C	Public Park	69	50	86	0.37	0.35	0.33	0.28	0.21	0.15		0.85	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	D	Chaparral, Narrowleaf, Fair	86	72	97	0.51	0.50	0.48	0.25	0.17	0.09		1.00	0.20	0.21	0.35	0.42			
	1.0	26.3-3	S26.3	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.17	0.07		1.00	0.20	0.30	0.50	0.60			
	1.2	26.3-3	S26.3	A	Open Brush, Fair	46	28	66	0.17	0.14	0.11	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	1.7	26.3-3	S26.3	D	Residential 2.5 acre lots	75	57	91	1.00	0.95	0.90	0.79	0.61	0.41		0.90	0.20	0.46	0.77	0.92			
	1.9	26.3-3	S26.3	C	Open Brush, Fair	77	59	92	1.10	1.05	0.98	0.34	0.16	0.03		1.00	0.25	0.57	0.95	1.14			
	2.1	26.3-3	S26.3	C	Residential 2.5 acre lots	69	50	86	1.05	1.00	0.92	0.79	0.57	0.36		0.90	0.25	0.57	0.95	1.13			
	2.9	26.3-3	S26.3	C	Chaparral, Narrowleaf, Fair	81	64	95	1.87	1.80	1.70	0.71	0.40	0.14		1.00	0.25	0.87	1.45	1.74			
	5.6	26.3-3	S26.3	C	Woodland, Grass, Fair	77	59	92	3.24	3.09	2.88	1.00	0.48	0.10		1.00	0.25	1.68	2.80	3.36			
	9.0	26.3-3	S26.3	A	Woodland, Grass, Fair	44	26	64	1.09	0.90	0.65	0.00	0.00	0.00		1.00	0.40	2.70	4.50	5.40			
	0.5	26.3-5	S26.3	B	Row Crops, Poor	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.30	0.15	0.25	0.30			
	0.7	26.3-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.27	0.25	0.22	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	1.3	26.3-5	S26.3	D	Public Park	75	57	91	0.79	0.76	0.72	0.64	0.50	0.36		0.85	0.20	0.33	0.55	0.66			
	1.3	26.3-5	S26.3	A	Residential 2.5 acre lots	32	17	52	0.15	0.14	0.13	0.12	0.12	0.11		0.90	0.40	0.35	0.59	0.70			
	1.9	26.3-5	S26.3	A	Row Crops, Poor	72	53	89	0.94	0.89	0.81	0.21	0.07	0.00		1.00	0.40	0.57	0.95	1.14			
	2.1	26.3-5	S26.3	C	Public Park	69	50	86	1.11	1.05	0.98	0.85	0.64	0.44		0.85	0.25	0.54	0.89	1.07			
	3.2	26.3-5	S26.3	A	Open Brush, Fair	46	28	66	0.46	0.38	0.29	0.00	0.00	0.00		1.00	0.40	0.96	1.60	1.92			
	3.5	26.3-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.42	0.35	0.25	0.00	0.00	0.00		1.00	0.40	1.05	1.75	2.10			
	6.1	26.3-5	S26.3	A	Public Park	32	17	52	0.99	0.94	0.89	0.86	0.84	0.80		0.85	0.40	1.56	2.59	3.11			
	0.3	26.3-6	S26.3	A	Chaparral, Broadleaf, Fair	40	23	60	0.02	0.02	0.01	0.00	0.00	0.00									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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				100										
								100	50	25	10	5	2	100								
						AMC		P ₂₄ (Inches)						5.63								
								II	I	III	AMC 1/AMCII											
	0.4	26.3-6	S26.3	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.15	0.11		0.85	0.20	0.10	0.17	0.20		
	0.6	26.3-6	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36		
	1.1	26.3-6	S26.3	A	Commercial, Industrial	32	17	52	0.92	0.95	0.94	0.93	0.91	0.87		0.10	0.40	0.03	0.06	0.07		
	0.8	26.3-6	S26.3	A	Public Park	32	17	52	0.13	0.12	0.12	0.11	0.11	0.11		0.85	0.40	0.20	0.34	0.41		
	0.8	26.3-6	S26.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.15	0.13	0.10	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48		
	0.9	26.3-6	S26.3	B	Woodland, Grass, Fair	65	45	83	0.35	0.32	0.29	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54		
	1.5	26.3-6	S26.3	A	Row Crops, Poor	72	53	89	0.75	0.70	0.64	0.17	0.06	0.00		1.00	0.40	0.45	0.75	0.90		
	1.6	26.3-6	S26.3	C	Open Brush, Fair	77	59	92	0.92	0.88	0.82	0.29	0.14	0.03		1.00	0.25	0.48	0.80	0.96		
	1.8	26.3-6	S26.3	D	Open Brush, Fair	83	67	96	1.22	1.18	1.13	0.51	0.31	0.13		1.00	0.20	0.54	0.90	1.08		
	1.9	26.3-6	S26.3	C	Woodland, Grass, Fair	77	59	92	1.10	1.05	0.98	0.34	0.16	0.03		1.00	0.25	0.57	0.95	1.14		
	3.3	26.3-6	S26.3	B	Open Brush, Fair	66	46	84	1.33	1.24	1.10	0.17	0.02	0.00		1.00	0.30	0.99	1.65	1.98		
	3.7	26.3-6	S26.3	C	Public Park	69	50	86	1.95	1.85	1.72	1.50	1.13	0.77		0.85	0.25	0.94	1.57	1.89		
	3.9	26.3-6	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	2.13	2.02	1.87	0.59	0.25	0.03		1.00	0.25	1.17	1.95	2.34		
	5.9	26.3-6	S26.3	B	Public Park	56	36	76	2.17	2.03	1.84	1.53	1.10	0.81		0.85	0.30	1.50	2.51	3.01		
	9.1	26.3-6	S26.3	A	Woodland, Grass, Fair	44	26	64	1.10	0.91	0.66	0.00	0.00	0.00		1.00	0.40	2.73	4.55	5.46		
	20.6	26.3-6	S26.3	A	Open Brush, Fair	46	28	66	2.94	2.46	1.86	0.00	0.00	0.00		1.00	0.40	6.18	10.30	12.36		
	1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.40	1.39	1.37	1.34	1.27	1.18		0.20	0.20	0.10	0.16	0.19		
	0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.93	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13		
	0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02		
	1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.36	1.35	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09		
	0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01		
	0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.59	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08		
	0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06		
	1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.73	1.72	1.70	1.67	1.61	1.52		0.10	0.25	0.06	0.10	0.11		
	2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.30	2.28	2.26	2.22	2.14	2.02		0.10	0.20	0.08	0.13	0.15		
	0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10		
	0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.61	0.61	0.60	0.58	0.55	0.52		0.20	0.20	0.04	0.07	0.08		
	0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	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	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	0.2	C1-13	S27.2	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10		
	6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.23	5.18	5.11	4.97	4.72	4.40		0.20	0.25	0.37	0.61	0.73		
	6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.35	5.30	5.23	5.09	4.83	4.50		0.20	0.20	0.37	0.61	0.73		
	1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10		
	1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08		
	3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.57	2.55	2.51	2.44	2.32	2.17		0.20	0.25	0.18	0.30	0.36		
	2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.84	1.82	1.80	1.75	1.66	1.55		0.20	0.20	0.13	0.21	0.25		
	3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.61	2.55	2.46	2.32	2.06	1.80		0.50	0.25	0.56	0.93	1.11		
	6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.52	4.42	4.29	4.06	3.63	3.15		0.50	0.20	0.90	1.50	1.80		
	0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.34	0.34	0.33	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05		
	0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16		
	6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.79	4.68	4.53	4.26	3.79	3.30		0.50	0.25	1.02	1.70	2.04		
	19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.37	14.08	13.66	12.92	11.56	10.01		0.50	0.20	2.87	4.78	5.73		
	0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02		
	0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38		
	8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.27	6.13	5.93	5.58	4.96	4.32		0.50	0.25	1.34	2.23	2.67		
	7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.57	5.45	5.29	5.01	4.48	3.88		0.50	0.20	1.11	1.85	2.22		
	0.1	C1-17	S27.2	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01		
	1.4	C1-17	S27.2	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.16	1.11		0.10	0.40	0.04	0.07	0.08		
	4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.27	4.25	4.20	4.13	3.99	3.80		0.10	0.30	0.14	0.24	0.29		
	5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.55	4.51	4.47	4.39	4.22	4.00		0.10	0.25	0.15	0.25	0.30		
	3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.40	3.38	3.34	3.28	3.16	2.99		0.10	0.20	0.11	0.19	0.22		
	5.0	C1-17	S27.2	D	Public Park	75	57	91	3.04	2.92	2.75	2.46	1.94	1.38		0.85	0.20	1.28	2.13	2.55		
	4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.43	3.40	3.35	3.26	3.09	2.89		0.20	0.25	0.24	0.40	0.48		
	12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.14	11.03	10.88	10.60	10.06	9.36		0.20	0.20	0.76	1.27	1.52		
	1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.37	0.34	0.30	0.24	0.16	0.10		0.90	0.30	0.30	0.50	0.59		
	1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.56	0.41	0.25		0.90	0.25	0.41	0.68	0.81		
	2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.47	1.40	1.32	1.16	0.89	0.60		0.90	0.20	0.68	1.13	1.35		
	0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03		
	4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.17	3.10	3.00	2.82	2.51	2.18		0.50	0.25	0.68	1.13	1.35		
	1.4	C1-17	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	1.05	1.03	1.00	0.95	0.85	0.73		0.50	0.20	0.21	0.35	0.42		
	2.2	C1-17	S27.2	B	School	56	36	76	1.19	1.15	1.10	1.01	0.88	0.78		0.60	0.30	0.40	0.66	0.79		
	6.8	C1-17	S27.2	C	School	69	50	86	4.45	4.32	4.14	3.83	3.30	2.76		0.60	0.25	1.22	2.04	2.45		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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								
								EV							100								
								100	50	25	10	5	2	100									
						AMC		P ₂₄ (Inches)						5.63									
						II	I	III	AMC 1/AMCII						5.63								
	0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	0.7	C1-21	S27.2	C	School	69	50	86	0.46	0.44	0.43	0.39	0.34	0.28		0.60	0.25	0.13	0.21	0.25			
	0.1	C1-22	S27.2	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
	2.0	C1-22	S27.2	C	Public Park	69	50	86	1.05	1.00	0.93	0.81	0.61	0.42		0.85	0.25	0.51	0.85	1.02			
	2.1	C1-22	S27.2	D	Public Park	75	57	91	1.28	1.23	1.16	1.03	0.81	0.58		0.85	0.20	0.54	0.89	1.07			
	5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.80	4.76	4.69	4.56	4.33	4.04		0.20	0.25	0.34	0.56	0.67			
	0.9	C1-22	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.71	0.66		0.20	0.20	0.05	0.09	0.11			
	3.1	C1-22	S27.2	C	School	69	50	86	2.03	1.97	1.89	1.75	1.51	1.26		0.60	0.25	0.56	0.93	1.12			
	0.3	C1-22	S27.2	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11			
	1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	1.00	0.99	0.98	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07			
	1.1	C1-23	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	3.1	C1-23	S27.2	C	Public Park	69	50	86	1.63	1.55	1.45	1.26	0.95	0.65		0.85	0.25	0.79	1.32	1.58			
	2.6	C1-23	S27.2	D	Public Park	75	57	91	1.58	1.52	1.43	1.28	1.01	0.72		0.85	0.20	0.66	1.11	1.33			
	4.8	C1-23	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.12	4.08	4.02	3.91	3.71	3.46		0.20	0.25	0.29	0.48	0.58			
	3.4	C1-23	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.98	2.95	2.91	2.84	2.69	2.51		0.20	0.20	0.20	0.34	0.41			
	3.1	C1-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.66	2.63	2.59	2.53	2.40	2.24		0.20	0.25	0.19	0.31	0.37			
	5.0	C1-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	4.39	4.34	4.28	4.17	3.96	3.69		0.20	0.20	0.30	0.50	0.60			
	0.2	C1-24	S27.2	C	Residential 2.5 acre lots	69	50	86	0.10	0.09	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11			
	1.2	C1-24	S27.2	D	Residential 2.5 acre lots	75	57	91	0.70	0.67	0.63	0.56	0.43	0.29		0.90	0.20	0.32	0.54	0.65			
	13.9	C1-24	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	9.80	9.57	9.26	8.71	7.75	6.75		0.50	0.25	2.09	3.48	4.17			
	18.6	C1-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.00	13.71	13.30	12.58	11.26	9.75		0.50	0.20	2.79	4.65	5.58			
	1.0	C1-25	S27.2	B	Commercial, Industrial	56	36	76	0.89	0.88	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06			
	6.1	C1-25	S27.2	C	Commercial, Industrial	69	50	86	5.55	5.51	5.45	5.35	5.15	4.88		0.10	0.25	0.18	0.31	0.37			
	12.9	C1-25	S27.2	D	Commercial, Industrial	75	57	91	11.85	11.77	11.66	11.45	11.02	10.43		0.10	0.20	0.39	0.65	0.77			
	0.3	C1-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
	0.9	C1-25	S27.2	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.25	0.20	0.13	0.08		0.90	0.30	0.24	0.41	0.49			
	12.8	C1-25	S27.2	C	Residential 2.5 acre lots	69	50	86	6.41	6.07	5.60	4.80	3.46	2.18		0.90	0.25	3.46	5.76	6.91			
	23.2	C1-25	S27.2	D	Residential 2.5 acre lots	75	57	91	13.61	13.03	12.22	10.79	8.26	5.57		0.90	0.20	6.26	10.44	12.53			
	0.3	C1-25	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09			
	0.3	C1-25	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	4.8	C1-26	S27.2	C	Commercial, Industrial	69	50	86	4.36	4.33	4.29	4.21	4.06	3.84		0.10	0.25	0.14	0.24	0.29			
	4.8	C1-26	S27.2	D	Commercial, Industrial	75	57	91	4.41	4.38	4.34	4.26	4.10	3.88		0.10	0.20	0.14	0.24	0.29			
	0.1	C1-26	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	6.3	C1-26	S27.2	D	Public Park	75	57	91	3.83	3.68	3.47	3.10	2.44	1.74		0.85	0.20	1.61	2.68	3.21			
	5.0	C1-26	S27.2	B	Residential 10+ dwellings/acre	56	36	76	4.10	4.06	4.00	3.90	3.72	3.52		0.20	0.30	0.30	0.50	0.60			
	43.3	C1-26	S27.2	C	Residential 10+ dwellings/acre	69	50	86	37.15	36.78	36.24	35.29	33.48	31.25		0.20	0.25	2.60	4.33	5.20			
	38.7	C1-26	S27.2	D	Residential 10+ dwellings/acre	75	57	91	33.94	33.62	33.16	32.31	30.66	28.54		0.20	0.20	2.32	3.87	4.64			
	2.3	C1-26	S27.2	C	Residential 2.5 acre lots	69	50	86	1.15	1.09	1.01	0.86	0.62	0.39		0.90	0.25	0.62	1.04	1.24			
	3.6	C1-26	S27.2	D	Residential 2.5 acre lots	75	57	91	2.11	2.02	1.90	1.68	1.28	0.86		0.90	0.20	0.97	1.62	1.94			
	0.5	C1-27	S27.2	A	Apartments	32	17	52	0.39	0.38	0.38	0.38	0.37	0.35		0.20	0.40	0.03	0.05	0.06			
	14.8	C1-27	S27.2	B	Apartments	56	36	76	12.15	12.02	11.85	11.55	11.02	10.43		0.20	0.30	0.89	1.48	1.78			
	1.9	C1-27	S27.2	C	Apartments	69	50	86	1.63	1.61	1.59	1.55	1.47	1.37		0.20	0.25	0.11	0.19	0.23			
	9.9	C1-27	S27.2	D	Apartments	75	57	91	8.68	8.60	8.48	8.27	7.84	7.30		0.20	0.20	0.59	0.99	1.19			
	1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.56	1.55	1.54	1.52	1.49	1.42		0.10	0.40	0.05	0.09	0.11			
	8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.48	7.43	7.36	7.23	6.98	6.65		0.10	0.30	0.25	0.42	0.50			
	7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.91	6.86	6.79	6.67	6.42	6.08		0.10	0.25	0.23	0.38	0.46			
	14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.86	12.78	12.66	12.43	11.96	11.32		0.10	0.20	0.42	0.70	0.84			
	1.4	C1-27	S27.2	C	Public Park	69	50	86	0.74	0.70	0.65	0.57	0.43	0.29		0.85	0.25	0.36	0.60	0.71			
	0.3	C1-27	S27.2	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15			
	0.2	C1-27	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.15	0.15	0.15	0.15	0.15	0.14		0.20	0.40	0.01	0.02	0.02			
	0.3	C1-27	S27.2	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.23	0.22	0.21		0.20	0.30	0.02	0.03	0.04			
	12.2	C1-27	S27.2	C	Residential 10+ dwellings/acre	69	50	86	10.47	10.36	10.21	9.94	9.43	8.81		0.20	0.25	0.73	1.22	1.46			
	17.6	C1-27	S27.2	D	Residential 10+ dwellings/acre	75	57	91	15.44	15.29	15.08	14.70	13.94	12.98		0.20	0.20	1.06	1.76	2.11			
	0.3	C1-27	S27.2	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16			
	0.9	C1-27	S27.2	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.39	0.34	0.24	0.15		0.90	0.25	0.24	0.41	0.49			
	9.3	C1-27	S27.2	D	Residential 2.5 acre lots	75	57	91	5.45	5.22	4.90	4.33	3.31	2.23		0.90	0.20	2.51	4.19	5.02			
	0.2	C1-27	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.11	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06			
	5.3	C1-27	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.74	3.65	3.53	3.32	2.96	2.57		0.50	0.25	0.80	1.33	1.59			
	28.3	C1-27	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	21.30	20.86	20.24	19.15	17.13	14.84		0.50	0.20	4.25	7.08	8.49		</	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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													
								100	50	25	10	5	2	100							
						AMC		P ₂₄ (Inches)									5.63				
								II	I	III	AMC 1/AMCII										
	17.5	C1-30	S27.2	A	Apartments	32	17	52	13.52	13.43	13.33	13.17	12.83	12.31		0.20	0.40	1.05	1.75	2.10	
	1.5	C1-30	S27.2	B	Apartments	56	36	76	1.23	1.22	1.20	1.17	1.12	1.06		0.20	0.30	0.09	0.15	0.18	
	0.7	C1-30	S27.2	C	Apartments	69	50	86	0.62	0.62	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08	
	0.1	C1-30	S27.2	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.06	
	44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.63	38.45	38.19	37.75	36.80	35.30		0.10	0.40	1.34	2.23	2.68	
	0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04	
	2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.82	1.81	1.79	1.76	1.69	1.60		0.10	0.25	0.06	0.10	0.12	
	4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.77	3.74	3.71	3.64	3.50	3.31		0.10	0.20	0.12	0.21	0.25	
	0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.06	0.03	0.02	0.01	1.00	0.20	0.03	0.05	0.06	
	2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.64	2.62	2.59	2.55	2.45	2.32		0.10	0.25	0.09	0.15	0.17	
	4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.13	4.11	4.07	3.99	3.84	3.64		0.10	0.20	0.14	0.23	0.27	
	5.7	C1-4	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.89	4.84	4.77	4.65	4.41	4.11		0.20	0.25	0.34	0.57	0.68	
	2.4	C1-4	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.10	2.09	2.06	2.00	1.90	1.77		0.20	0.20	0.14	0.24	0.29	
	0.5	C1-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.38	0.37	0.36	0.34	0.31	0.28		0.40	0.25	0.06	0.10	0.12	
	5.7	C1-4	S27.2	C	School	69	50	86	3.73	3.62	3.47	3.21	2.77	2.32		0.60	0.25	1.03	1.71	2.05	
	6.7	C1-4	S27.2	D	School	75	57	91	4.76	4.65	4.48	4.18	3.64	3.04		0.60	0.20	1.21	2.01	2.41	
	0.1	C1-4	S27.2	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.91	0.90	0.89	0.88	0.84	0.80		0.10	0.25	0.03	0.05	0.06	
	0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.83	0.82	0.81	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05	
	0.6	C1-5	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.51	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07	
	0.1	C1-5	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
	0.1	C1-5	S27.2	C	School	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04	
	0.5	C1-5	S27.2	D	School	75	57	91	0.36	0.35	0.33	0.31	0.27	0.23		0.60	0.20	0.09	0.15	0.18	
	1.7	C1-6	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10	
	4.4	C1-6	S27.2	D	Commercial, Industrial	75	57	91	4.04	4.02	3.98	3.91	3.76	3.56		0.10	0.20	0.13	0.22	0.26	
	0.6	C1-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.51	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07	
	1.3	C1-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.11	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16	
	2.8	C1-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.83	1.78	1.70	1.58	1.36	1.14		0.60	0.25	0.50	0.84	1.01	
	7.1	C1-6	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	5.05	4.92	4.74	4.43	3.85	3.22		0.60	0.20	1.28	2.13	2.56	
	3.3	C1-7	S27.2	C	Commercial, Industrial	69	50	86	3.00	2.98	2.95	2.90	2.79	2.64		0.10	0.25	0.10	0.17	0.20	
	0.4	C1-7	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
	0.1	C1-7	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05	
	0.2	C1-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	1.2	C2-1	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.91	0.89	0.87	0.83	0.76	0.68		0.40	0.25	0.14	0.24	0.29	
	0.5	C2-10	S27.2	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27	
	0.2	C2-10	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.12	0.11	0.09		0.60	0.20	0.04	0.06	0.07	
	0.9	C2-11	S27.2	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.39	0.34	0.24	0.15		0.90	0.25	0.24	0.41	0.49	
	0.3	C2-11	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
	0.1	C2-11	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04	
	0.1	C2-11	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	0.3	C2-11	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	2.0	C2-12	S27.2	C	Residential 2.5 acre lots	69	50	86	1.00	0.95	0.88	0.75	0.54	0.34		0.90	0.25	0.54	0.90	1.08	
	0.4	C2-12	S27.2	D	Residential 2.5 acre lots	75	57	91	0.23	0.22	0.21	0.19	0.14	0.10		0.90	0.20	0.11	0.18	0.22	
	0.4	C2-12	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27	0.25	0.22	0.19		0.50	0.25	0.06	0.10	0.12	
	0.3	C2-12	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	0.1	C2-13	S27.2	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	1.5	C2-13	S27.2	C	Commercial, Industrial	69	50	86	1.36	1.35	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09	
	0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.40	1.33	1.23	1.05	0.76	0.48		0.90	0.25	0.76	1.26	1.51	
	1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.59	0.56	0.53	0.47	0.36	0.24		0.90	0.20	0.27	0.45	0.54	
	0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03	
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.82	0.81	0.80	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05	
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04	
	6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.44	4.34	4.19	3.95	3.51	3.06		0.50	0.25	0.95	1.58	1.89	
	3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.78	2.73	2.65	2.50	2.24	1.94		0.50	0.20	0.56	0.93	1.11	
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.37	1.36	1.34	1.30	1.24	1.15		0.20	0.25	0.10	0.16	0.19	
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.56	9.47	9.34	9.10	8.63	8.04		0.20	0.20	0.65	1.09	1.31	
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.18	1.17	1.16	1.14	1.10	1.04		0.10	0.25	0.04	0.07	0.08	
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08	
	1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.93	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13	
	7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	6.14	6.08	6.00	5.84	5.54	5.16		0.20	0.20	0.42	0.70	0.84	
	0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.28	0.28	0.27	0.25	0.22	0.18		0.60	0.20	0.07	0.12	0.14	
	4.9	C2-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.45	3.37	3.26	3.07	2.73	2.38		0.50	0.25	0.74	1.23	1.47	
	9.3	C2-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	7.00	6.86	6.65	6.29	5.63	4.88		0.50	0.20	1.40	2.33	2.79	
	0.3	C2-15	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07	
	0.1	C2-15	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02	
	3.3	C2-2	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	2.16	2.10	2.01	1.86	1.60	1.34		0.60	0.25	0.59	0.99	1.19	
	4.4	C2-2	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.33	3.27	3.18	3.03	2.77	2.48		0.40	0.25	0.53	0.88	1.06	
	0.7																				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC		P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII						5.63							
	0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.12	0.11	0.09		0.60	0.20	0.04	0.06	0.07		
	1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.76	0.73	0.68	0.60	0.46	0.31		0.90	0.20	0.35	0.59	0.70		
	0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.36	0.35	0.33	0.31	0.27	0.23		0.60	0.20	0.09	0.15	0.18		
	0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.22	0.18	0.11	0.07		0.90	0.30	0.22	0.36	0.43		
	1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.32	0.20		0.90	0.25	0.32	0.54	0.65		
	0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11		
	0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.22	0.21	0.20	0.18	0.16	0.14		0.60	0.30	0.07	0.12	0.14		
	1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.11	1.08	1.03	0.96	0.83	0.69		0.60	0.25	0.31	0.51	0.61		
	0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04		
	0.8	C2-23	S27.2	C	Apartments	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10		
	0.4	C2-23	S27.2	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.29		0.20	0.20	0.02	0.04	0.05		
	0.9	C2-23	S27.2	B	Public Park	56	36	76	0.33	0.31	0.28	0.23	0.17	0.12		0.85	0.30	0.23	0.38	0.46		
	0.4	C2-23	S27.2	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20		
	0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
	0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38		
	3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.79	1.73	1.65	1.52	1.32	1.17		0.60	0.30	0.59	0.99	1.19		
	2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.37	1.33	1.28	1.18	1.02	0.85		0.60	0.25	0.38	0.63	0.76		
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.17	3.14	3.10	3.02	2.86	2.67		0.20	0.25	0.22	0.37	0.44		
	6.8	C2-24	S27.2	D	Apartments	75	57	91	5.96	5.91	5.83	5.68	5.39	5.01		0.20	0.20	0.41	0.68	0.82		
	0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.59	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08		
	2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.28	2.26	2.23	2.17	2.06	1.92		0.20	0.20	0.16	0.26	0.31		
	2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.44	1.40	1.34	1.24	1.07	0.89		0.60	0.25	0.40	0.66	0.79		
	9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	7.04	6.86	6.61	6.17	5.38	4.49		0.60	0.20	1.78	2.97	3.56		
	1.3	C2-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.98	0.96	0.93	0.88	0.79	0.68		0.50	0.20	0.20	0.33	0.39		
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10		
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.66	2.65	2.62	2.57	2.48	2.34		0.10	0.20	0.09	0.15	0.17		
	3.6	C2-25	S27.2	D	Public Park	75	57	91	2.19	2.10	1.98	1.77	1.39	0.99		0.85	0.20	0.92	1.53	1.84		
	4.5	C2-25	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.86	3.82	3.77	3.67	3.48	3.25		0.20	0.25	0.27	0.45	0.54		
	4.5	C2-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.95	3.91	3.86	3.76	3.56	3.32		0.20	0.20	0.27	0.45	0.54		
	0.1	C2-25	S27.2	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05		
	0.8	C2-25	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.60	0.59	0.58	0.55	0.50	0.45		0.40	0.25	0.10	0.16	0.19		
	0.2	C2-25	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.13	0.12		0.40	0.20	0.02	0.04	0.05		
	0.7	C2-26	S27.2	A	Public Park	32	17	52	0.11	0.11	0.10	0.10	0.10	0.09		0.85	0.40	0.18	0.30	0.36		
	8.9	C2-26	S27.2	B	Public Park	56	36	76	3.28	3.06	2.77	2.31	1.66	1.22		0.85	0.30	2.27	3.78	4.54		
	1.2	C2-26	S27.2	C	Public Park	69	50	86	0.63	0.60	0.56	0.49	0.37	0.25		0.85	0.25	0.31	0.51	0.61		
	3.7	C2-26	S27.2	D	Public Park	75	57	91	2.25	2.16	2.04	1.82	1.43	1.02		0.85	0.20	0.94	1.57	1.89		
	7.4	C2-27	S27.2	A	Apartments	32	17	52	5.72	5.68	5.64	5.57	5.43	5.21		0.20	0.40	0.44	0.74	0.89		
	15.0	C2-27	S27.2	B	Apartments	56	36	76	12.31	12.19	12.01	11.71	11.17	10.57		0.20	0.30	0.90	1.50	1.80		
	5.8	C2-27	S27.2	C	Apartments	69	50	86	4.98	4.93	4.85	4.73	4.48	4.19		0.20	0.25	0.35	0.58	0.70		
	2.5	C2-27	S27.2	D	Apartments	75	57	91	2.19	2.17	2.14	2.09	1.98	1.84		0.20	0.20	0.15	0.25	0.30		
	9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.88	7.84	7.79	7.70	7.51	7.20		0.10	0.40	0.27	0.46	0.55		
	1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.34	1.33	1.31	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09		
	0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03		
	0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02		
	0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06		
	2.0	C2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	1.00	0.95	0.88	0.75	0.54	0.34		0.90	0.25	0.54	0.90	1.08		
	8.8	C2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	5.75	5.59	5.36	4.96	4.28	3.58		0.60	0.25	1.58	2.64	3.17		
	0.1	C2-3	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02		
	4.9	C2-3	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.70	3.64	3.54	3.38	3.08	2.76		0.40	0.25	0.59	0.98	1.18		
	0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01		
	0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06		
	4.9	C2-4	S27.2	C	Residential 2.5 acre lots	69	50	86	2.45	2.32	2.14	1.84	1.33	0.83		0.90	0.25	1.32	2.21	2.65		
	1.5	C2-4	S27.2	D	Residential 2.5 acre lots	75	57	91	0.88	0.84	0.79	0.70	0.53	0.36		0.90	0.20	0.41	0.68	0.81		
	1.0	C2-4	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.65	0.64	0.61	0.56	0.49	0.41		0.60	0.25	0.18	0.30	0.36		
	8.8	C2-4	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.20	6.06	5.86	5.51	4.91	4.27		0.50	0.25	1.32	2.20	2.64		
	4.2	C2-4	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	3.16	3.10	3.00	2.84	2.54	2.20		0.50	0.20	0.63	1.05	1.26		
	1.1	C2-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.83	0.82	0.80	0.76	0.69	0.62		0.40	0.25	0.13	0.22	0.26		
	0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01		
	1.8	C2-5	S27.2	C	Public Park	69	50	86	0.95	0.90	0.84	0.73	0.55	0.38		0.85	0.25	0.46	0.77	0.92		
	0.4	C2-5	S27.2	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.15	0.11		0.85	0.20	0.10	0.17	0.20		
	1.8	C2-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.90	0.85	0.79	0.68	0.49	0.31		0.90	0.25	0.49	0.81	0.97		
	2.8	C2-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.64	1.57	1.47	1.30	1.00	0.67		0.90	0.20	0.76	1.26	1.51		
	6.1	C2-5	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.30	4.20	4.06	3.82	3.40	2.2								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC		P ₂₄ (Inches)						5.63								
						II	I	III	AMC 1/AMCII													
	0.9	C2-6	S27.2	D	Public Park	75	57	91	0.55	0.53	0.50	0.44	0.35	0.25		0.85	0.20	0.23	0.38	0.46		
	36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	31.23	30.92	30.47	29.66	28.14	26.27		0.20	0.25	2.18	3.64	4.37		
	13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.93	11.82	11.65	11.36	10.77	10.03		0.20	0.20	0.82	1.36	1.63		
	4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	2.35	2.23	2.06	1.76	1.27	0.80		0.90	0.25	1.27	2.12	2.54		
	2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.23	1.18	1.11	0.98	0.75	0.50		0.90	0.20	0.57	0.95	1.13		
	0.1	C2-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04		
	0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09		
	0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03		
	0.1	C2-6	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02		
	9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	7.03	6.90	6.72	6.41	5.85	5.25		0.40	0.25	1.12	1.86	2.23		
	0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.71	0.70	0.69	0.66	0.60	0.54		0.40	0.20	0.11	0.18	0.22		
	0.3	C2-7	S27.2	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04		
	0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04		
	9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.27	8.22	8.14	7.99	7.69	7.29		0.10	0.25	0.27	0.46	0.55		
	6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.15	6.11	6.06	5.95	5.72	5.42		0.10	0.20	0.20	0.34	0.40		
	0.5	C2-7	S27.2	C	Public Park	69	50	86	0.26	0.25	0.23	0.20	0.15	0.10		0.85	0.25	0.13	0.21	0.26		
	2.6	C2-7	S27.2	D	Public Park	75	57	91	1.58	1.52	1.43	1.28	1.01	0.72		0.85	0.20	0.66	1.11	1.33		
	0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.46	0.46	0.46	0.45	0.44	0.42		0.20	0.40	0.04	0.06	0.07		
	2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.97	1.95	1.92	1.87	1.79	1.69		0.20	0.30	0.14	0.24	0.29		
	10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	9.10	9.00	8.87	8.64	8.19	7.65		0.20	0.25	0.64	1.06	1.27		
	0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07		
	1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.95	0.90	0.83	0.71	0.51	0.32		0.90	0.25	0.51	0.86	1.03		
	0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.41	0.39	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38		
	14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	9.35	9.08	8.71	8.06	6.95	5.81		0.60	0.25	2.57	4.29	5.15		
	15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	10.88	10.61	10.22	9.54	8.31	6.93		0.60	0.20	2.75	4.59	5.51		
	0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.20	0.19	0.19	0.19	0.18	0.18		0.50	0.40	0.06	0.10	0.12		
	1.5	C2-7	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.92	0.89	0.86	0.81	0.73	0.66		0.50	0.30	0.23	0.38	0.45		
	5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.60	3.51	3.40	3.20	2.84	2.47		0.50	0.25	0.77	1.28	1.53		
	0.9	C2-7	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.68	0.66	0.64	0.61	0.54	0.47		0.50	0.20	0.14	0.23	0.27		
	3.5	C2-7	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	2.39	2.34	2.28	2.17	2.01	1.85		0.40	0.30	0.42	0.70	0.84		
	8.4	C2-7	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.35	6.23	6.07	5.79	5.29	4.74		0.40	0.25	1.01	1.68	2.02		
	2.8	C2-7	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	2.22	2.19	2.13	2.04	1.87	1.67		0.40	0.20	0.34	0.56	0.67		
	0.6	C2-7	S27.2	B	School	56	36	76	0.33	0.31	0.30	0.28	0.24	0.21		0.60	0.30	0.11	0.18	0.22		
	1.5	C2-7	S27.2	C	School	69	50	86	0.98	0.95	0.91	0.85	0.73	0.61		0.60	0.25	0.27	0.45	0.54		
	3.5	C2-7	S27.2	D	School	75	57	91	2.49	2.43	2.34	2.18	1.90	1.59		0.60	0.20	0.63	1.05	1.26		
	0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04		
	0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01		
	0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02		
	5.7	C2-8	S27.2	B	Public Park	56	36	76	2.10	1.96	1.77	1.48	1.06	0.78		0.85	0.30	1.45	2.42	2.91		
	4.5	C2-8	S27.2	C	Public Park	69	50	86	2.37	2.26	2.10	1.83	1.38	0.94		0.85	0.25	1.15	1.91	2.30		
	9.4	C2-8	S27.2	D	Public Park	75	57	91	5.71	5.49	5.17	4.62	3.64	2.59		0.85	0.20	2.40	4.00	4.79		
	0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01		1.00	0.25	0.06	0.10	0.12		
	1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.69	0.66	0.62	0.22	0.10	0.02		1.00	0.25	0.36	0.60	0.72		
	1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	1.10	1.06	1.00	0.42	0.24	0.08		1.00	0.25	0.51	0.85	1.02		
	0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.44	0.43	0.41	0.21	0.14	0.07		1.00	0.20	0.18	0.30	0.36		
	1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.76	0.72	0.67	0.21	0.09	0.01		1.00	0.25	0.42	0.70	0.84		
	0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24		
	8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	5.42	5.22	4.94	2.06	1.17	0.41		1.00	0.25	2.52	4.20	5.04		
	9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.75	6.57	6.31	3.26	2.18	1.12		1.00	0.20	2.76	4.60	5.52		
	2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.56	1.49	1.39	0.48	0.23	0.05		1.00	0.25	0.81	1.35	1.62		
	0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.41	0.39	0.38	0.17	0.10	0.04		1.00	0.20	0.18	0.30	0.36		
	1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.87	0.83	0.77	0.24	0.10	0.01		1.00	0.25	0.48	0.80	0.96		
	1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.65	0.62	0.59	0.24	0.14	0.05		1.00	0.20	0.30	0.50	0.60		
	5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.55	3.42	3.23	1.35	0.76	0.27		1.00	0.25	1.65	2.75	3.30		
	6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	4.99	4.86	4.66	2.41	1.61	0.83		1.00	0.20	2.04	3.40	4.08		
	1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	1.04	0.99	0.93	0.32	0.16	0.03		1.00	0.25	0.54	0.90	1.08		
	2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.70	1.65	1.56	0.71	0.44	0.18		1.00	0.20	0.75	1.25	1.50		
	0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36		
	0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
	6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.43	3.26	3.02	0.95	0.41	0.05		1.00	0.25	1.89	3.15	3.78		
	0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12		
	5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.81	3.67	3.47	1.44	0.82	0.29		1.00	0.25	1.77	2.95	3.54		
	12.7	OC1-5	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	9.31	9.07	8.71	4.50	3.01	1.54		1.00	0.20	3.81	6.35	7.62		
	6.8	OC1-5	S27.2	C	Open Brush, Fair	77	59	92	3.93	3.75	3.50	1.22	0.59	0.12		1.00	0.25	2.04	3.40	4.08		
	3.2	OC1-5	S27.2	D	Open Brush, Fair	83	67	96	2.18	2.11	2.00	0.91	0.56	0.23		1.00	0.20	0.96	1.60	1.92		
	1.0	OC1-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.44	0.38	0.27	0.17		0.90	0.25	0.27	0.45	0.54		
	2.7	OC1-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.58	1.52	1.42	1.26	0.96	0.65		0.90	0.20	0.73	1.22	1.46		
	0.5	OC1-5	S27.2																			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC		P ₂₄ (Inches)														
						II	I	III														
	0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36		
	1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.30	1.29	1.28	1.27	1.24	1.19		0.10	0.40	0.05	0.08	0.09		
	0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04		
	1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.45	1.44	1.43	1.40	1.35	1.28		0.10	0.25	0.05	0.08	0.10		
	1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07		
	0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05		
	3.8	OC1-6	S27.2	C	Public Park	69	50	86	2.00	1.90	1.77	1.55	1.16	0.80		0.85	0.25	0.97	1.62	1.94		
	2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.52	1.46	1.38	1.23	0.97	0.69		0.85	0.20	0.64	1.06	1.28		
	0.1	OC1-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.08	0.07	0.07	0.07	0.06	0.06		0.40	0.25	0.01	0.02	0.02		
	1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.26	0.23	0.18	0.00	0.00	0.00		1.00	0.40	0.42	0.70	0.84		
	2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.71	1.64	1.54	0.59	0.31	0.09		1.00	0.25	0.84	1.40	1.68		
	0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
	0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24		
	0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18		
	3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	1.96	1.88	1.75	0.61	0.29	0.06		1.00	0.25	1.02	1.70	2.04		
	0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.54	0.53	0.50	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.48		
	2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.28	0.26	0.24	0.23	0.22	0.21		0.90	0.40	0.65	1.08	1.30		
	0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.23	0.22	0.19	0.15	0.10	0.07		0.90	0.30	0.19	0.32	0.38		
	3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.75	1.66	1.53	1.31	0.95	0.59		0.90	0.25	0.95	1.58	1.89		
	1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.65	0.62	0.58	0.51	0.39	0.26		0.90	0.20	0.30	0.50	0.59		
	0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	1.10	1.05	0.98	0.34	0.16	0.03		1.00	0.25	0.57	0.95	1.14		
	0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06		
	1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.75	0.72	0.67	0.23	0.11	0.02		1.00	0.25	0.39	0.65	0.78		
	0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
	0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.07	0.07	0.04	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
	1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.98	0.94	0.87	0.30	0.15	0.03		1.00	0.25	0.51	0.85	1.02		
	0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
	3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	2.14	2.04	1.90	0.66	0.32	0.07		1.00	0.25	1.11	1.85	2.22		
	1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.32	0.20		0.90	0.25	0.32	0.54	0.65		
	1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.78	0.76	0.73	0.68	0.58	0.49		0.60	0.25	0.22	0.36	0.43		
	0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18		
	0.3		S27.3	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15		
	0.4		S27.3	A	Public Park	32	17	52	0.06	0.06	0.06	0.06	0.06	0.05		0.85	0.40	0.10	0.17	0.20		
	0.6		S27.3	B	Public Park	56	36	76	0.22	0.21	0.19	0.16	0.11	0.08		0.85	0.30	0.15	0.26	0.31		
	1.1		S27.3	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07		
	1.2		S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.23	0.20	0.16	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72		
	4.9		S27.3	A	Open Brush, Fair	46	28	66	0.70	0.59	0.44	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94		
	5.4		S27.3	A	Woodland, Grass, Fair	44	26	64	0.65	0.54	0.39	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24		
	6.9		S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	2.49	2.28	2.01	0.20	0.00	0.00		1.00	0.30	2.07	3.45	4.14		
	9.2		S27.3	D	Woodland, Grass, Fair	82	66	95	6.10	5.89	5.58	2.43	1.44	0.55		1.00	0.20	2.76	4.60	5.52		
	9.3		S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	4.18	3.91	3.54	0.73	0.18	0.00		1.00	0.30	2.79	4.65	5.58		
	15.8		S27.3	D	Chaparral, Broadleaf, Fair	81	64	95	10.20	9.82	9.29	3.87	2.20	0.77		1.00	0.20	4.74	7.90	9.48		
	20.3		S27.3	D	Grass, Annual or Perennial, Fair	84	69	96	14.17	13.73	13.10	6.22	3.92	1.76		1.00	0.20	6.09	10.15	12.18		
	25.5		S27.3	B	Open Brush, Fair	66	46	84	10.31	9.56	8.53	1.28	0.15	0.00		1.00	0.30	7.65	12.75	15.30		
	27.2		S27.3	B	Woodland, Grass, Fair	65	45	83	10.60	9.80	8.70	1.14	0.08	0.00		1.00	0.30	8.16	13.60	16.32		
	29.1		S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	17.79	17.06	16.02	6.10	3.20	0.89		1.00	0.25	8.73	14.55	17.46		
	53.6		S27.3	D	Open Brush, Fair	83	67	96	36.46	35.27	33.55	15.28	9.33	3.90		1.00	0.20	16.08	26.80	32.16		
	66.8		S27.3	C	Woodland, Grass, Fair	77	59	92	38.60	36.85	34.36	11.98	5.76	1.19		1.00	0.25	20.04	33.40	40.08		
	90.8		S27.3	C	Open Brush, Fair	77	59	92	52.47	50.09	46.71	16.28	7.83	1.62		1.00	0.25	27.24	45.40	54.48		
	102.9		S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	56.08	53.28	49.33	15.55	6.71	0.86		1.00	0.25	30.87	51.45	61.74		
	0.7	S27.3-1	S27.3	A	Residential 5-7 dwellings/acre	32	17	52	0.34	0.34	0.33	0.33	0.32	0.31		0.50	0.40	0.11	0.18	0.21		
	0.9	S27.3-1	S27.3	B	Public Park	56	36	76	0.33	0.31	0.28	0.23	0.17	0.12		0.85	0.30	0.23	0.38	0.46		
	3.4	S27.3-1	S27.3	A	Commercial, Industrial	32	17	52	2.95	2.93	2.91	2.88	2.81	2.69		0.10	0.40	0.10	0.17	0.20		
	3.6	S27.3-1	S27.3	A	Woodland, Grass, Fair	44	26	64	0.44	0.36	0.26	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16		
	10.1	S27.3-1	S27.3	A	Public Park	32	17	52	1.64	1.55	1.47	1.42	1.39	1.33		0.85	0.40	2.58	4.29	5.15		
	17.4	S27.3-1	S27.3	A	Open Brush, Fair	46	28	66	2.48	2.08	1.57	0.00	0.00	0.00		1.00	0.40	5.22	8.70	10.44		
	0.2	S27.3-3	S27.3	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12		
	0.2	S27.3-3	S27.3	A	Barren	78	61	93	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.40	0.06	0.10	0.12		
	0.2	S27.3-3	S27.3	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.03	0.01		1.00	0.20	0.06	0.10	0.12		
	0.3	S27.3-3	S27.3	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.10	0.01	0.00	0.00		1.00	0.30	0.09	0.15	0.18		
	0.3	S27.3-3	S27.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02		
	0.5	S27.3-3	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.10	0.09	0											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														
	11.4	S27.3-3	S27.3	A	Woodland, Grass, Fair	44	26	64	1.38	1.13	0.83	0.00	0.00	0.00		1.00	0.40	3.42	5.70	6.84			
	11.8	S27.3-3	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	6.43	6.11	5.66	1.78	0.77	0.10		1.00	0.25	3.54	5.90	7.08			
	27.7	S27.3-3	S27.3	A	Open Brush, Fair	46	28	66	3.95	3.31	2.50	0.00	0.00	0.00		1.00	0.40	8.31	13.85	16.62			
	0.1	S27.3-4	S27.3	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05			
	0.1	S27.3-4	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.2	S27.3-4	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.25	0.06	0.10	0.12			
	0.3	S27.3-4	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	0.13	0.13	0.11	0.02	0.01	0.00		1.00	0.30	0.09	0.15	0.18			
	0.3	S27.3-4	S27.3	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.4	S27.3-4	S27.3	A	Commercial, Industrial	32	17	52	0.35	0.34	0.34	0.34	0.33	0.32		0.10	0.40	0.01	0.02	0.02			
	0.5	S27.3-4	S27.3	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40		0.10	0.30	0.02	0.03	0.03			
	0.6	S27.3-4	S27.3	B	Woodland, Grass, Fair	65	45	83	0.23	0.22	0.19	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.6	S27.3-4	S27.3	A	Barren	78	61	93	0.36	0.34	0.32	0.12	0.06	0.01		1.00	0.40	0.18	0.30	0.36			
	0.6	S27.3-4	S27.3	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04			
	0.9	S27.3-4	S27.3	B	Open Brush, Fair	66	46	84	0.36	0.34	0.30	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54			
	1.0	S27.3-4	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.54	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60			
	1.3	S27.3-4	S27.3	C	Woodland, Grass, Fair	77	59	92	0.75	0.72	0.67	0.23	0.11	0.02		1.00	0.25	0.39	0.65	0.78			
	3.2	S27.3-4	S27.3	A	Meadows or Cienegas, Fair	51	32	71	0.64	0.56	0.45	0.00	0.00	0.00		1.00	0.40	0.96	1.60	1.92			
	3.7	S27.3-4	S27.3	A	Woodland, Grass, Fair	44	26	64	0.45	0.37	0.27	0.00	0.00	0.00		1.00	0.40	1.11	1.85	2.22			
	12.0	S27.3-4	S27.3	A	Open Brush, Fair	46	28	66	1.71	1.43	1.08	0.00	0.00	0.00		1.00	0.40	3.60	6.00	7.20			
	0.1	S27.3-5	S27.3	A	Row Crops, Poor	72	53	89	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.5	S27.3-5	S27.3	A	Public Park	32	17	52	0.08	0.08	0.07	0.07	0.07	0.07		0.85	0.40	0.13	0.21	0.26			
	0.5	S27.3-5	S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.29	0.28	0.10	0.06	0.02		1.00	0.25	0.15	0.25	0.30			
	0.8	S27.3-5	S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	0.29	0.26	0.23	0.02	0.00	0.00		1.00	0.30	0.24	0.40	0.48			
	1.2	S27.3-5	S27.3	A	Woodland, Grass, Fair	44	26	64	0.15	0.12	0.09	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	1.5	S27.3-5	S27.3	B	Commercial, Industrial	56	36	76	1.34	1.33	1.31	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09			
	2.5	S27.3-5	S27.3	A	Commercial, Industrial	32	17	52	2.17	2.16	2.14	2.12	2.06	1.98		0.10	0.40	0.08	0.13	0.15			
	2.6	S27.3-5	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.17	1.09	0.99	0.20	0.05	0.00		1.00	0.30	0.78	1.30	1.56			
	2.8	S27.3-5	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.53	0.46	0.36	0.00	0.00	0.00		1.00	0.40	0.84	1.40	1.68			
	5.4	S27.3-5	S27.3	A	Open Brush, Fair	46	28	66	0.77	0.65	0.49	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24			
12800	6.2	S27.3-5	S27.3	B	Woodland, Grass, Fair	65	45	83	2.42	2.23	1.98	0.26	0.02	0.00		1.00	0.30	1.86	3.10	3.72			
12800	6.5	S27.3-5	S27.3	C	Woodland, Grass, Fair	77	59	92	3.76	3.59	3.34	1.17	0.56	0.12		1.00	0.25	1.95	3.25	3.90			
12800	6.7	S27.3-5	S27.3	B	Open Brush, Fair	66	46	84	2.71	2.51	2.24	0.34	0.04	0.00		1.00	0.30	2.01	3.35	4.02			
12800	12.0	S27.3-5	S27.3	C	Open Brush, Fair	77	59	92	6.93	6.62	6.17	2.15	1.04	0.21		1.00	0.25	3.60	6.00	7.20			
12800	20.3	S27.3-5	S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	11.06	10.51	9.73	3.07	1.32	0.17		1.00	0.25	6.09	10.15	12.18			
12800	0.3	S27.3-6	S27.3	A	Row Crops, Poor	72	53	89	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.40	0.09	0.15	0.18			
12800	0.4	S27.3-6	S27.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.14	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
12800	0.4	S27.3-6	S27.3	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02			
12800	0.6	S27.3-6	S27.3	A	Commercial, Industrial	32	17	52	0.52	0.52	0.51	0.51	0.50	0.47		0.10	0.40	0.02	0.03	0.04			
12800	1.5	S27.3-6	S27.3	A	Open Brush, Fair	46	28	66	0.22	0.18	0.14	0.00	0.00	0.00		1.00	0.40	0.46	0.77	0.92			
12800	3.2	S27.3-6	S27.3	A	Public Park	32	17	52	0.53	0.50	0.47	0.46	0.45	0.43		0.85	0.40	0.83	1.38	1.65			
12800	3.9	S27.3-6	S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	1.77	1.66	1.50	0.31	0.07	0.00		1.00	0.30	1.18	1.97	2.36			
12800	8.7	S27.3-6	S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	1.65	1.42	1.13	0.00	0.00	0.00		1.00	0.40	2.62	4.37	5.24			
12800	10.3	S27.3-6	S27.3	A	Woodland, Grass, Fair	44	26	64	1.25	1.03	0.75	0.00	0.00	0.00		1.00	0.40	3.10	5.17	6.20			
12800	2.30	P501XX	S28.1	B	Barren	86	72	97	1.69	1.64	1.58	0.81	0.55	0.28		1.00	0.30	0.69	1.15	1.38			
12800	0.20	P501XX	S28.1	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12			
12800	0.07	P501XX	S28.1	D	Barren	93	83	99	0.06	0.06	0.06	0.04	0.03	0.02		1.00	0.20	0.02	0.03	0.04			
12901	10.20	P501XX	S28.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.56	5.28	4.89	1.54	0.67	0.09		1.00	0.25	3.06	5.10	6.12			
12901	0.35	P501XX	S28.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.21	0.09	0.05	0.02		1.00	0.20	0.11	0.18	0.21			
12901	0.10	P501XX	S28.1	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.08	0.08	0.08		0.10	0.30	0.00	0.00	0.01			
12901	0.40	P501XX	S28.1	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02			
12901	0.45	P501XX	S28.1	D	Commercial, Industrial	75	57	91	0.41	0.41	0.40	0.40	0.38	0.36		0.10	0.20	0.01	0.02	0.03			
12901	24.28	P501XX	S28.1	B	Grass, Annual or Perennial, Fair	69	50	86	10.92	10.22	9.24	1.91	0.46	0.00		1.00	0.30	7.28	12.14	14.57			
12901	9.91	P501XX	S28.1	C	Grass, Annual or Perennial, Fair	79	62	93	6.06	5.81	5.46	2.08	1.09	0.30		1.00	0.25	2.97	4.96	5.95			
12901	6.57	P501XX	S28.1	D	Grass, Annual or Perennial, Fair	84	69	96	4.58	4.44	4.24	2.01	1.27	0.57		1.00	0.20	1.97	3.28	3.94			
12901	0.10	P501XX	S28.1	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
12901	16.79	P501XX	S28.1	B	Open Brush, Fair	66	46	84	6.79	6.30	5.62	0.84	0.10	0.00		1.00	0.30	5.04	8.39	10.07			
12901	67.20	P501XX	S28.1	C	Open Brush, Fair	77	59	92	38.83	37.07	34.57	12.05	5.80	1.20		1.00	0.25	20.16	33.60	40.32			
12901	3.80	P501XX	S28.1	D	Open Brush, Fair	83	67	96	2.58	2.50	2.38	1.08	0.66	0.28		1.00	0.20	1.14	1.90	2.28			
12901	0.98	P501XX	S28.1	D	Public Park	75	57	91	0.60	0.57	0.54	0.48	0.38	0.27		0.85	0.20	0.25	0.42	0.50			
12901	17.47	P501XX	S28.1	B	Woodland, Grass, Fair	65	45	83	6.81	6.29	5.59	0.73	0.05	0.00		1.00	0.30	5.24	8.74	10.48			
PAS Line XX	55.75	P501XX	S28.1	C	Woodland, Grass, Fair	77	59	92	32.22	30.76	28.68	10.00	4.81	0.99		1.00	0.25	16.72</					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														
PA5 Line XX	39.55	P503XX	S29.2-2	C	Open Brush, Fair	77	59	92	22.86	21.82	20.34	7.09	3.41	0.71		1.00	0.25	11.87	19.78	23.73			
PA5 Line XX	19.10	P503XX	S29.2-2	D	Open Brush, Fair	83	67	96	12.99	12.57	11.96	5.44	3.32	1.39		1.00	0.20	5.73	9.55	11.46			
PA5 Line XX	18.40	P503XX	S29.2-2	D	Public Park	75	57	91	11.17	10.74	10.12	9.05	7.12	5.07		0.85	0.20	4.69	7.82	9.38			
PA5 Line XX	5.30	P503XX	S29.2-2	B	Woodland, Grass, Fair	65	45	83	2.07	1.91	1.70	0.22	0.02	0.00		1.00	0.30	1.59	2.65	3.18			
PA5 Line XX	34.70	P503XX	S29.2-2	C	Woodland, Grass, Fair	77	59	92	20.05	19.14	17.85	6.22	2.99	0.62		1.00	0.25	10.41	17.35	20.82			
PA5 Line XX	1.30	P503XX	S29.2-2	D	Woodland, Grass, Fair	82	66	95	0.86	0.83	0.79	0.34	0.20	0.08		1.00	0.20	0.39	0.65	0.78			
PA5 Line XX	6.20		S29.1	C	Chaparral, Broadleaf, Fair	75	57	91	3.38	3.21	2.97	0.94	0.40	0.05		1.00	0.25	1.86	3.10	3.72			
PA5 Line XX	0.40		S29.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.26	0.24	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24			
PA5 Line XX	0.30		S29.1	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		0.10	0.40	0.01	0.02	0.02			
PA5 Line XX	5.30		S29.1	B	Commercial, Industrial	56	36	76	4.72	4.69	4.64	4.56	4.40	4.20		0.10	0.30	0.16	0.27	0.32			
PA5 Line XX	23.30		S29.1	C	Commercial, Industrial	69	50	86	21.18	21.04	20.83	20.45	19.69	18.65		0.10	0.25	0.70	1.17	1.40			
PA5 Line XX	2.60		S29.1	D	Commercial, Industrial	75	57	91	2.39	2.37	2.35	2.31	2.22	2.10		0.10	0.20	0.08	0.13	0.16			
PA5 Line XX	8.20		S29.1	B	Grass, Annual or Perennial, Fair	69	50	86	3.69	3.45	3.12	0.65	0.16	0.00		1.00	0.30	2.46	4.10	4.92			
PA5 Line XX	37.40		S29.1	C	Grass, Annual or Perennial, Fair	79	62	93	22.87	21.93	20.59	7.84	4.12	1.15		1.00	0.25	11.22	18.70	22.44			
PA5 Line XX	21.60		S29.1	D	Grass, Annual or Perennial, Fair	84	69	96	15.07	14.61	13.94	6.62	4.17	1.88		1.00	0.20	6.48	10.80	12.96			
PA5 Line XX	0.20		S29.1	B	Open Brush, Fair	66	46	84	0.08	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
PA5 Line XX	32.30		S29.1	C	Open Brush, Fair	77	59	92	18.67	17.82	16.62	5.79	2.79	0.58		1.00	0.25	9.69	16.15	19.38			
PA5 Line XX	1.60		S29.1	D	Open Brush, Fair	83	67	96	1.09	1.05	1.00	0.46	0.28	0.12		1.00	0.20	0.48	0.80	0.96			
PA5 Line XX	21.60		S29.1	A	Public Park	32	17	52	3.50	3.32	3.14	3.05	2.97	2.85		0.85	0.40	5.51	9.18	11.02			
PA5 Line XX	32.10		S29.1	B	Public Park	56	36	76	11.82	11.04	9.99	8.35	5.98	4.38		0.85	0.30	8.19	13.64	16.37			
PA5 Line XX	136.90		S29.1	C	Public Park	69	50	86	72.07	68.62	63.82	55.67	41.94	28.66		0.85	0.25	34.91	58.18	69.82			
PA5 Line XX	9.40		S29.1	D	Public Park	75	57	91	5.71	5.49	5.17	4.62	3.64	2.59		0.85	0.20	2.40	4.00	4.79			
PA5 Line XX	268.30		S29.1	C	Residential 1 acre lots	69	50	86	148.08	141.66	132.72	117.54	91.83	66.75		0.80	0.25	64.39	107.32	128.78			
PA5 Line XX	67.40		S29.1	D	Residential 1 acre lots	75	57	91	42.33	40.81	38.67	34.92	28.20	20.97		0.80	0.20	16.18	26.96	32.35			
12903	1.30		S29.1	B	Residential 2 dwellings/acre	56	36	76	0.61	0.59	0.55	0.49	0.41	0.35		0.70	0.30	0.27	0.46	0.55			
12903	77.00		S29.1	C	Residential 2 dwellings/acre	69	50	86	46.43	44.78	42.48	38.57	31.88	25.23		0.70	0.25	16.17	26.95	32.34			
12903	28.80		S29.1	D	Residential 2 dwellings/acre	75	57	91	19.28	18.70	17.88	16.44	13.84	11.01		0.70	0.20	6.05	10.08	12.10			
12903	20.00		S29.1	B	Residential 3-4 dwellings/acre	56	36	76	10.85	10.48	9.99	9.20	8.02	7.10		0.60	0.30	3.60	6.00	7.20			
12903	159.90		S29.1	C	Residential 3-4 dwellings/acre	69	50	86	104.57	101.56	97.34	90.14	77.69	64.99		0.60	0.25	28.78	47.97	57.56			
12903	13.90		S29.1	D	Residential 3-4 dwellings/acre	75	57	91	9.88	9.64	9.29	8.67	7.55	6.30		0.60	0.20	2.50	4.17	5.00			
12903	8.30		S29.1	B	Residential 5-7 dwellings/acre	56	36	76	5.08	4.95	4.77	4.48	4.04	3.67		0.50	0.30	1.25	2.08	2.49			
12903	37.00		S29.1	C	Residential 5-7 dwellings/acre	69	50	86	26.08	25.48	24.64	23.18	20.63	17.95		0.50	0.25	5.55	9.25	11.10			
12903	4.20		S29.1	D	Residential 5-7 dwellings/acre	75	57	91	3.16	3.10	3.00	2.84	2.54	2.20		0.50	0.20	0.63	1.05	1.26			
12903	1.30		S29.1	A	Residential 8-10 dwellings/acre	32	17	52	0.76	0.75	0.74	0.73	0.72	0.69		0.40	0.40	0.16	0.26	0.31			
12903	11.30		S29.1	B	Residential 8-10 dwellings/acre	56	36	76	7.70	7.55	7.35	7.01	6.47	5.99		0.40	0.30	1.36	2.26	2.71			
12903	54.80		S29.1	C	Residential 8-10 dwellings/acre	69	50	86	41.43	40.68	39.61	37.77	34.50	30.91		0.40	0.25	6.58	10.96	13.15			
12903	15.40		S29.1	D	Residential 8-10 dwellings/acre	75	57	91	12.23	12.03	11.74	11.23	10.28	9.17		0.40	0.20	1.85	3.08	3.70			
12903	0.50		S29.1	B	Woodland, Grass, Fair	65	45	83	0.19	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
12903	8.40		S29.1	C	Woodland, Grass, Fair	77	59	92	4.85	4.63	4.32	1.51	0.72	0.15		1.00	0.25	2.52	4.20	5.04			
12903	3.50		S29.1	D	Woodland, Grass, Fair	82	66	95	2.32	2.24	2.12	0.93	0.55	0.21		1.00	0.20	1.05	1.75	2.10			
12903	0.22	P504XX	S29.2	B	Barren	86	72	97	0.16	0.16	0.15	0.08	0.05	0.03		1.00	0.30	0.07	0.11	0.13			
12903	4.49	P504XX	S29.2	C	Barren	91	80	98	3.71	3.64	3.55	2.26	1.73	1.14		1.00	0.25	1.35	2.25	2.69			
12903	0.02	P504XX	S29.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01			
	1.01	P504XX	S29.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.53	0.49	0.15	0.07	0.01		1.00	0.25	0.30	0.51	0.61			
	0.45	P504XX	S29.2	B	Commercial, Industrial	56	36	76	0.40	0.39	0.39	0.38	0.37	0.35		0.10	0.30	0.01	0.02	0.03			
	1.36	P504XX	S29.2	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.15	1.09		0.10	0.25	0.04	0.07	0.08			
	2.89	P504XX	S29.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.30	1.22	1.10	0.23	0.05	0.00		1.00	0.30	0.87	1.44	1.73			
	20.30	P504XX	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	12.41	11.90	11.17	4.25	2.23	0.62		1.00	0.25	6.09	10.15	12.18			
	1.51	P504XX	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.06	1.02	0.98	0.46	0.29	0.13		1.00	0.20	0.45	0.76	0.91			
	1.47	P504XX	S29.2	D	Meadows or Cienegas, Fair	84	69	96	1.03	1.00	0.95	0.45	0.28	0.13		1.00	0.20	0.44	0.74	0.88			
	2.33	P504XX	S29.2	B	Open Brush, Fair	66	46	84	0.94	0.87	0.78	0.12	0.01	0.00		1.00	0.30	0.70	1.16	1.40			
	11.34	P504XX	S29.2	C	Open Brush, Fair	77	59	92	6.55	6.26	5.83	2.03	0.98	0.20		1.00	0.25	3.40	5.67	6.80			
	10.50	P504XX	S29.2	D	Open Brush, Fair	83	67	96	7.14	6.91	6.57	2.99	1.83	0.76		1.00	0.20	3.15	5.25	6.30			
	1.18	P504XX	S29.2	D	Public Park	75	57	91	0.72	0.69	0.65	0.58	0.46	0.33		0.85	0.20	0.30	0.50	0.60			
	0.42	P504XX	S29.2	B	Row Crops, Good	78	61	93	0.25	0.24	0.22	0.08	0.04	0.01		1.00	0.30	0.12	0.21	0.25			
	0.03	P504XX	S29.2	C	Row Crops, Good	85	70	97	0.02	0.02	0.02	0.01	0.01	0.00		1.00	0.25	0.01	0.02	0.02			
	2.22	P504XX	S29.2	B	Woodland, Grass, Fair	65	45	83	0.87	0.80	0.71	0.09	0.01	0.00		1.00	0.30	0.67	1.11	1.33			
	8.73	P504XX	S29.2	C	Woodland, Grass, Fair	77	59	92	5.05	4.82	4.49	1.57	0.75	0.16		1.00	0.25	2.62	4.37	5.24			
	0.22	P504XX	S29.2	D	Woodland, Grass, Fair	82	66	95	0.15	0.14	0.14	0.06	0.03	0.01		1.00	0.20	0.07	0.11	0.13			
	0.20	S29.2-1	S29.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	S29.2-1	S29.2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27												

PA-3&4 (Ultimate Conditions)

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	100														
						AMC			P ₂₄ (Inches)							5.63										
						II	I	III	AMC 1/AMCII																	
Storm Event (Year)																										
																							EV	HC		
																							> 5	5	2	All
	2.90	S29.2-1	S29.2	C	Open Brush, Fair	77	59	92	1.68	1.60	1.49	0.52	0.25	0.05		1.00	0.25	0.87	1.45	1.74						
	3.60	S29.2-1	S29.2	A	Woodland, Grass, Fair	44	26	64	0.44	0.36	0.26	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16						
	3.70	S29.2-1	S29.2	B	Residential 5-7 dwellings/acre	56	36	76	2.26	2.21	2.13	2.00	1.80	1.64		0.50	0.30	0.56	0.93	1.11						
	4.10	S29.2-1	S29.2	A	Residential 5-7 dwellings/acre	32	17	52	2.01	1.99	1.96	1.93	1.88	1.80		0.50	0.40	0.62	1.03	1.23						
	5.40	S29.2-1	S29.2	A	Residential 2.5 acre lots	32	17	52	0.62	0.57	0.53	0.51	0.50	0.47		0.90	0.40	1.46	2.43	2.92						
	6.70	S29.2-1	S29.2	A	Open Brush, Fair	46	28	66	0.96	0.80	0.60	0.00	0.00	0.00		1.00	0.40	2.01	3.35	4.02						
	12.00	S29.2-1	S29.2	A	Barren	78	61	93	7.13	6.83	6.39	2.33	1.17	0.29		1.00	0.40	3.60	6.00	7.20						
	12.90	S29.2-1	S29.2	A	Grass, Annual or Perennial, Fair	50	31	70	2.43	2.10	1.67	0.00	0.00	0.00		1.00	0.40	3.87	6.45	7.74						
	38.60	S29.2-1	S29.2	A	Public Park	32	17	52	6.26	5.93	5.62	5.45	5.31	5.09		0.85	0.40	9.84	16.41	19.69						
	0.10	S29.2-4	S29.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05						
	0.20	S29.2-4	S29.2	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12						
	0.80	S29.2-4	S29.2	A	Woodland, Grass, Fair	44	26	64	0.10	0.08	0.06	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48						
	1.20	S29.2-4	S29.2	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07						
	1.50	S29.2-4	S29.2	A	Commercial, Industrial	32	17	52	1.30	1.29	1.28	1.27	1.24	1.19		0.10	0.40	0.05	0.08	0.09						
	3.00	S29.2-4	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	2.09	2.03	1.94	0.92	0.58	0.26		1.00	0.20	0.90	1.50	1.80						
	3.60	S29.2-4	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	2.20	2.11	1.98	0.75	0.40	0.11		1.00	0.25	1.08	1.80	2.16						
	15.10	S29.2-4	S29.2	A	Public Park	32	17	52	2.45	2.32	2.20	2.13	2.08	1.99		0.85	0.40	3.85	6.42	7.70						
	20.00	S29.2-4	S29.2	A	Grass, Annual or Perennial, Fair	50	31	70	3.77	3.26	2.60	0.00	0.00	0.00		1.00	0.40	6.00	10.00	12.00						
	14.30	G	S29.2	A	Commercial, Industrial	32	17	52	12.39	12.33	12.25	12.11	11.80	11.32		0.10	0.40	0.43	0.72	0.86						
	9.40	G	S29.2	A	Public Park	32	17	52	1.52	1.44	1.37	1.33	1.29	1.24		0.85	0.40	2.40	4.00	4.79						
	1.4	B-10	S29.3	B	Commercial, Industrial	56	36																			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III				AMC 1/AMCII	5.63										
	0.1	B-23	S29.3	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05			
	0.2	B-23	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.11	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06			
	0.1	B-23	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	0.5	B-23	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.34	0.33	0.33	0.31	0.29	0.26		0.40	0.30	0.06	0.10	0.12			
	1.4	B-23	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	1.06	1.04	1.01	0.97	0.88	0.79		0.40	0.25	0.17	0.28	0.34			
	7.4	B-23	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	5.88	5.78	5.64	5.40	4.94	4.41		0.40	0.20	0.89	1.48	1.78			
	3.2	B-27	S29.3	B	Commercial, Industrial	56	36	76	2.85	2.83	2.80	2.75	2.66	2.53		0.10	0.30	0.10	0.16	0.19			
	0.7	B-27	S29.3	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.9	B-27	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.74	0.73	0.72	0.70	0.67	0.63		0.20	0.30	0.05	0.09	0.11			
	0.3	B-27	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
	2.0	B-28	S29.3	A	Commercial, Industrial	32	17	52	1.73	1.72	1.71	1.69	1.65	1.58		0.10	0.40	0.06	0.10	0.12			
	4.6	B-28	S29.3	B	Commercial, Industrial	56	36	76	4.10	4.07	4.03	3.96	3.82	3.64		0.10	0.30	0.14	0.23	0.28			
	5.6	B-28	S29.3	C	Commercial, Industrial	69	50	86	5.09	5.06	5.01	4.92	4.73	4.48		0.10	0.25	0.17	0.28	0.34			
	1.6	B-28	S29.3	C	Open Brush, Fair	77	59	92	0.92	0.88	0.82	0.29	0.14	0.03		1.00	0.25	0.48	0.80	0.96			
	0.7	B-28	S29.3	B	Orchards, Evergreen, Fair	65	45	83	0.27	0.25	0.22	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	0.2	B-28	S29.3	D	Orchards, Evergreen, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12			
	7.3	B-28	S29.3	B	Public Park	56	36	76	2.69	2.51	2.27	1.90	1.36	1.00		0.85	0.30	1.86	3.10	3.72			
	0.8	B-28	S29.3	C	Public Park	69	50	86	0.42	0.40	0.37	0.33	0.25	0.17		0.85	0.25	0.20	0.34	0.41			
	0.2	B-28	S29.3	D	Public Park	75	57	91	0.12	0.12	0.11	0.10	0.08	0.06		0.85	0.20	0.05	0.09	0.10			
	0.1	B-28	S29.3	A	Residential 2.5 acre lots	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.90	0.40	0.03	0.05	0.05			
	4.0	B-28	S29.3	B	Residential 2.5 acre lots	56	36	76	1.33	1.23	1.09	0.88	0.57	0.37		0.90	0.30	1.08	1.80	2.16			
	4.2	B-28	S29.3	C	Residential 2.5 acre lots	69	50	86	2.10	1.99	1.84	1.58	1.14	0.71		0.90	0.25	1.13	1.89	2.27			
	2.3	B-28	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	1.41	1.37	1.32	1.24	1.12	1.02		0.50	0.30	0.35	0.58	0.69			
	0.5	B-28	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.35	0.34	0.33	0.31	0.28	0.24		0.50	0.25	0.08	0.13	0.15			
	0.1	B-28	S29.3	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.4	B-28	S29.3	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24			
	0.3	B-5	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02			
	0.3	B-5	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02			
	0.2	B-5	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.16	0.16	0.16	0.16	0.15	0.14		0.20	0.30	0.01	0.02	0.02			
	0.6	B-5	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.51	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07			
	0.1	B-5	S29.3	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05			
	0.4	B-6	S29.3	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02			
	0.5	B-6	S29.3	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
	0.8	B-6	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10			
	0.4	B-6	S29.3	B	Residential 2.5 acre lots	56	36	76	0.13	0.12	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22			
	1.2	B-6	S29.3	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.32	0.20		0.90	0.25	0.32	0.54	0.65			
	0.3	B-7	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02			
	0.4	B-7	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02			
	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		0.20	0.30	0.01	0.01	0.01			
	0.3	B-7	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.26	0.25	0.25	0.24	0.23	0.22		0.20	0.25	0.02	0.03	0.04			
	0.2	B-7	S29.3	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.05	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11			
	1.5	B-7	S29.3	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.56	0.41	0.25		0.90	0.25	0.41	0.68	0.81			
	0.7	B-8	S29.3	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04			
	2.5	B-8	S29.3	C	Commercial, Industrial	69	50	86	2.27	2.26	2.24	2.19	2.11	2.00		0.10	0.25	0.08	0.13	0.15			
	0.3	B-8	S29.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.3	B-8	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.23	0.22	0.21		0.20	0.30	0.02	0.03	0.04			
	0.1	B-8	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
	0.2	B-8	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	2.6	B-8	S29.3	B	Residential 2.5 acre lots	56	36	76	0.87	0.80	0.71	0.57	0.37	0.24		0.90	0.30	0.70	1.17	1.40			
	9.3	B-8	S29.3	C	Residential 2.5 acre lots	69	50	86	4.66	4.41	4.07	3.49	2.52	1.58		0.90	0.25	2.51	4.19	5.02			
	1.5	B-8	S29.3	D	Residential 2.5 acre lots	75	57	91	0.88	0.84	0.79	0.70	0.53	0.36		0.90	0.20	0.41	0.68	0.81			
	2.4	B-9	S29.3	B	Commercial, Industrial	56	36	76	2.14	2.12	2.10	2.07	1.99	1.90		0.10	0.30	0.07	0.12	0.14			
	0.2	B-9	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.3	B-9	S29.3	D	Commercial, Industrial	75	57	91	0.23	0.23	0.23	0.22	0.21	0.20		0.10	0.20	0.01	0.01	0.02			
	2.1	B-9	S29.3	B	Residential 2.5 acre lots	56	36	76	0.68	0.63	0.56	0.45	0.29	0.19		0.90	0.30	0.55	0.92	1.11			
	0.3	B-9	S29.3	C	Residential 2.5 acre lots	69	50	86	0.15	0.14	0.13	0.11	0.08	0.05		0.90	0.25	0.08	0.14	0.16			
	0.5	B-9	S29.3	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27			
	2.17		S30	A	Apartments	32	17	52	1.68	1.67	1.65	1.63	1.59	1.53		0.20	0.40	0.13	0.22	0.26			
	19.41		S30	B	Apartments	56	36	76	15.93	15.77	15.54	15.15	14.46	13.68		0.20	0.30	1.16	1.94	2.33			
	1.31		S30	C	Apartments	69	50	86	1.12	1.11	1.10	1.07	1.01	0.95		0.20	0.25	0.08	0.13	0.16			
	0.63		S30	D	Apartments	75	57	91	0.55	0.55	0.54	0.53	0.50	0.46		0.20	0.20	0.04	0.06	0.08			
	0.68		S30	C	Chaparral, Broadleaf, Fair	75	57	91	0.37	0.35	0.33	0.10	0.04	0.01		1.00	0.25	0.20	0.34	0.41			
	0.01		S30	A	Condominiums	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.35	0.40	0.00	0.00	0.00			
	14.66		S30	B	Condominiums	56	36	76	10.50	10.32	10.08	9.68	9.03	8.41		0.35	0.30	1.54	2.57	3.08			
	0.44		S30	C	Condominiums	69	50	86	0.34	0.34	0.33	0.32	0.29	0.27		0.35	0.25	0.05	0.08	0.09			
	7.34		S30	D	Condominiums	75	57	91	5.98	5.89	5.77	5.55	5.13	4.63		0.35	0.20	0.77	1.28	1.54			
	18.77		S30	A	Grass, Annual or Perennial, Fair	50	31	62	3.54	3.06	2.44	0.00	0.00	0.00		1.00	0.40	5.63	9.39	11.26			
	71.96		S30	B	Grass, Annual or Perennial, Fair	69	50	86	32.37	30.29	27.39	5.67	1.36	0.00		1.00	0.30	21.59	35.98	43.18			
	94.44		S30	C	Grass, Annual or Perennial, Fair	79	62	93	57.74	55.38	51.99	19.79	10.40	2.90		1.00	0.25	28.33	47.22	56.66			
	46.02		S30	D	Grass, Annual or Perennial, Fair	84	69	96	32.11	31.13	29.71												

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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				
						II	I	III	AMC 1/AMCII					HC								
						5.63								> 5								
														All								
	37.38		S30	B	Open Brush, Fair	66	46	84	15.12	14.02	12.51	1.87	0.22	0.00		1.00	0.30	11.21	18.69	22.43		
	452.58		S30	C	Open Brush, Fair	77	59	92	261.54	249.68	232.81	81.17	39.04	8.07		1.00	0.25	135.77	226.29	271.55		
	8.00		S30	D	Open Brush, Fair	83	67	96	5.44	5.26	5.01	2.28	1.39	0.58		1.00	0.20	2.40	4.00	4.80		
	20.05		S30	B	Orchards, Evergreen, Fair	65	45	83	7.81	7.22	6.41	0.84	0.06	0.00		1.00	0.30	6.02	10.03	12.03		
	35.24		S30	C	Orchards, Evergreen, Fair	77	59	92	20.36	19.44	18.13	6.32	3.04	0.63		1.00	0.25	10.57	17.62	21.14		
	3.87		S30	A	Public Park	32	17	52	0.63	0.59	0.56	0.55	0.53	0.51		0.85	0.40	0.99	1.64	1.97		
	16.21		S30	B	Public Park	56	36	76	5.97	5.57	5.05	4.22	3.02	2.21		0.85	0.30	4.13	6.89	8.27		
	14.26		S30	C	Public Park	69	50	86	7.51	7.15	6.65	5.80	4.37	2.99		0.85	0.25	3.64	6.06	7.27		
	0.76		S30	D	Public Park	75	57	91	0.46	0.44	0.42	0.37	0.29	0.21		0.85	0.20	0.19	0.32	0.39		
	38.41		S30	B	Residential 1 acre lots	56	36	76	15.48	14.59	13.40	11.53	8.80	6.92		0.80	0.30	9.22	15.36	18.44		
	29.50		S30	C	Residential 1 acre lots	69	50	86	16.28	15.58	14.59	12.92	10.10	7.34		0.80	0.25	7.08	11.80	14.16		
	7.64		S30	A	Residential 2 dwellings/acre	32	17	52	2.31	2.26	2.20	2.16	2.10	2.02		0.70	0.40	1.60	2.67	3.21		
	96.41		S30	B	Residential 2 dwellings/acre	56	36	76	45.58	43.58	40.90	36.65	30.38	25.81		0.70	0.30	20.25	33.74	40.49		
	125.34		S30	C	Residential 2 dwellings/acre	69	50	86	75.57	72.89	69.15	62.78	51.90	41.06		0.70	0.25	26.32	43.87	52.64		
	23.54		S30	D	Residential 2 dwellings/acre	75	57	91	15.76	15.29	14.62	13.44	11.31	9.00		0.70	0.20	4.94	8.24	9.89		
	1.01		S30	A	Residential 3-4 dwellings/acre	32	17	52	0.40	0.39	0.39	0.38	0.37	0.36		0.60	0.40	0.18	0.30	0.36		
	86.85		S30	B	Residential 3-4 dwellings/acre	56	36	76	47.10	45.52	43.38	39.97	34.83	30.84		0.60	0.30	15.63	26.06	31.27		
	144.00		S30	C	Residential 3-4 dwellings/acre	69	50	86	94.17	91.46	87.66	81.17	69.97	58.53		0.60	0.25	25.92	43.20	51.84		
	14.92		S30	D	Residential 3-4 dwellings/acre	75	57	91	10.61	10.34	9.97	9.31	8.10	6.76		0.60	0.20	2.69	4.48	5.37		
	1.95		S30	A	Residential 5-7 dwellings/acre	32	17	52	0.96	0.94	0.93	0.92	0.89	0.86		0.50	0.40	0.29	0.49	0.59		
	99.54		S30	B	Residential 5-7 dwellings/acre	56	36	76	60.92	59.34	57.21	53.78	48.48	44.04		0.50	0.30	14.93	24.89	29.86		
	131.14		S30	C	Residential 5-7 dwellings/acre	69	50	86	92.45	90.32	87.32	82.16	73.14	63.64		0.50	0.25	19.67	32.79	39.34		
	12.10		S30	D	Residential 5-7 dwellings/acre	75	57	91	9.11	8.92	8.65	8.19	7.32	6.34		0.50	0.20	1.82	3.03	3.63		
	19.70		S30	B	Residential 8-10 dwellings/acre	56	36	76	13.43	13.16	12.81	12.22	11.29	10.44		0.40	0.30	2.36	3.94	4.73		
	7.60		S30	C	Residential 8-10 dwellings/acre	69	50	86	5.75	5.64	5.49	5.24	4.78	4.29		0.40	0.25	0.91	1.52	1.82		
	12.71		S30	B	School	56	36	76	6.89	6.66	6.35	5.85	5.10	4.51		0.60	0.30	2.29	3.81	4.58		
	9.16		S30	C	School	69	50	86	5.99	5.82	5.58	5.16	4.45	3.72		0.60	0.25	1.65	2.75	3.30		
	23.69		S30	A	Turf, Good	33	17	53	0.65	0.39	0.14	0.00	0.00	0.00		1.00	0.40	7.11	11.85	14.21		
	117.50		S30	B	Turf, Good	58	38	77	34.14	30.78	26.26	19.11	8.65	1.40		1.00	0.30	35.25	58.75	70.50		
	22.40		S30	C	Turf, Good	72	53	89	11.13	10.49	9.61	8.08	5.46	2.84		1.00	0.25	6.72	11.20	13.44		
	3.50		S30	D	Turf, Good	79	62	93	2.14	2.05	1.93	1.70	1.29	0.83		1.00	0.20	1.05	1.75	2.10		
	0.51		S30	A	Water	98	95	100	0.49	0.49	0.49	0.48	0.47	0.45		0.00	0.40	0.00	0.00	0.00		
	14.50		S30	B	Water	98	95	100	13.92	13.87	13.79	13.64	13.29	12.75		0.00	0.30	0.00	0.00	0.00		
	1.56		S30	C	Water	98	95	100	1.50	1.49	1.48	1.47	1.43	1.37		0.00	0.25	0.00	0.00	0.00		
	2.35		S30	D	Water	98	95	100	2.26	2.25	2.24	2.21	2.15	2.07		0.00	0.20	0.00	0.00	0.00		
	24.20		S30	A	Woodland, Grass, Fair	44	26	64	2.93	2.41	1.75	0.00	0.00	0.00		1.00	0.40	7.26	12.10	14.52		
	31.86		S30	B	Woodland, Grass, Fair	65	45	83	12.41	11.48	10.19	1.33	0.10	0.00		1.00	0.30	9.56	15.93	19.12		
	46.40		S30	C	Woodland, Grass, Fair	77	59	92	26.81	25.60	23.87	8.32	4.00	0.83		1.00	0.25	13.92	23.20	27.84		
	0.01		S30	D	Woodland, Grass, Fair	82	66	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.20	0.00	0.01	0.01		
	5.17		S31	B	Chaparral, Broadleaf, Fair	63	43	81	1.86	1.71	1.50	0.15	0.00	0.00		1.00	0.30	1.55	2.59	3.10		
	18.15		S31	C	Chaparral, Broadleaf, Fair	75	57	91	9.89	9.40	8.70	2.74	1.18	0.15		1.00	0.25	5.45	9.08	10.89		
	12.74		S31	D	Chaparral, Broadleaf, Fair	81	64	95	8.22	7.92	7.49	3.12	1.77	0.62		1.00	0.20	3.82	6.37	7.64		
	2.64		S31	B	Chaparral, Narrowleaf, Fair	72	53	89	1.31	1.24	1.13	0.30	0.10	0.00		1.00	0.30	0.79	1.32	1.58		
	23.13		S31	C	Chaparral, Narrowleaf, Fair	81	64	95	14.93	14.38	13.59	5.66	3.22	1.13		1.00	0.25	6.94	11.57	13.88		
	3.78		S31	D	Chaparral, Narrowleaf, Fair	86	72	97	2.77	2.70	2.59	1.34	0.90	0.46		1.00	0.20	1.13	1.89	2.27		
	0.16		S31	C	Commercial, Industrial	69	50	86	0.15	0.14	0.14	0.14	0.14	0.13		0.10	0.25	0.00	0.01	0.01		
	0.84		S31	D	Commercial, Industrial	75	57	91	0.77	0.77	0.76	0.75	0.72	0.68		0.10	0.20	0.03	0.04	0.05		
	0.55		S31	A	Condominiums	32	17	52	0.35	0.34	0.34	0.34	0.33	0.31		0.35	0.40	0.06	0.10	0.12		
	0.95		S31	B	Condominiums	56	36	76	0.68	0.67	0.65	0.63	0.59	0.54		0.35	0.30	0.10	0.17	0.20		
	13.97		S31	C	Condominiums	69	50	86	10.92	10.74	10.50	10.07	9.30	8.43		0.35	0.25	1.47	2.44	2.93		
	0.00		S31	D	Condominiums	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.20	0.00	0.00	0.00		
	4.75		S31	B	Fallow	86	72	97	3.48	3.39	3.26	1.68	1.13	0.58		1.00	0.30	1.43	2.38	2.85		
	20.45		S31	C	Fallow	91	80	98	16.87	16.59	16.17	10.28	7.89	5.19		1.00	0.25	6.14	10.23	12.27		
	0.81		S31	D	Fallow	94	85	99	0.71	0.71	0.69	0.50	0.41	0.31		1.00	0.20	0.24	0.41	0.49		
	3.48		S31	B	Grass, Annual or Perennial, Fair	69	50	86	1.57	1.46	1.32	0.27	0.07	0.00		1.00	0.30	1.04	1.74	2.09		
	36.54		S31	C	Grass, Annual or Perennial, Fair	79	62	93	22.34	21.43	20.12	7.66	4.02	1.12		1.00	0.25	10.96	18.27	21.92		
	1.39		S31	D	Grass, Annual or Perennial, Fair	84	69	96	0.97	0.94	0.90	0.43	0.27	0.12		1.00	0.20	0.42	0.70	0.83		
	0.07		S31	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.04		
	27.57		S31	B	Open Brush, Fair	66	46	84	11.15	10.34	9.23	1.38	0.16	0.00		1.00	0.30	8.27	13.79	16.54		
	420.56		S31	C	Open Brush, Fair	77	59	92	243.03	232.02	216.34	75.43	36.28	7.50		1.00	0.25	126.17	210.28	252.34		
	21.02		S31	D	Open Brush, Fair	83	67	96	14.30	13.83	13.16	5.99	3.66	1.53		1.00	0.20	6.31	10.51	12.61		
	16.33		S31	A	Public Park	32	17	52	2.65	2.51	2.38	2.30	2.25	2.15		0.85	0.40	4.16	6.94	8.33		
	6.44		S31	B	Public Park	56	36	76	2.37	2.21	2.00	1.67	1.20	0.88		0.85	0.30	1.64	2.74	3.28		
	24.85		S31	C	Public Park	69	50	86	13.08	12.46	11.58	10.11	7.61	5.20		0.85	0.25					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC		P ₂₄ (Inches)						5.63								
								II	I	III	AMC 1/AMCII											
	103.79		S31	B	Residential 3-4 dwellings/acre	56	36	76	56.29	54.39	51.84	47.76	41.62	36.85		0.60	0.30	18.68	31.14	37.36		
	103.53		S31	C	Residential 3-4 dwellings/acre	69	50	86	67.70	65.76	63.03	58.36	50.30	42.08		0.60	0.25	18.64	31.06	37.27		
	2.40		S31	D	Residential 3-4 dwellings/acre	75	57	91	1.71	1.66	1.60	1.50	1.30	1.09		0.60	0.20	0.43	0.72	0.86		
	12.16		S31	A	Residential 5-7 dwellings/acre	32	17	52	5.97	5.89	5.80	5.72	5.57	5.35		0.50	0.40	1.82	3.04	3.65		
	148.36		S31	B	Residential 5-7 dwellings/acre	56	36	76	90.79	88.44	85.27	80.15	72.25	65.64		0.50	0.30	22.25	37.09	44.51		
	167.09		S31	C	Residential 5-7 dwellings/acre	69	50	86	117.79	115.07	111.26	104.68	93.18	81.08		0.50	0.25	25.06	41.77	50.13		
	7.77		S31	D	Residential 5-7 dwellings/acre	75	57	91	5.85	5.73	5.56	5.26	4.70	4.07		0.50	0.20	1.17	1.94	2.33		
	28.80		S31	A	Row Crops, Poor	72	53	89	14.31	13.49	12.35	3.24	1.12	0.02		1.00	0.40	8.64	14.40	17.28		
	3.32		S31	B	Row Crops, Poor	81	64	95	2.14	2.06	1.95	0.81	0.46	0.16		1.00	0.30	1.00	1.66	1.99		
	6.60		S31	C	Row Crops, Poor	88	75	98	5.08	4.97	4.80	2.70	1.92	1.10		1.00	0.25	1.98	3.30	3.96		
	1.34		S31	D	Row Crops, Poor	91	80	98	1.11	1.09	1.06	0.67	0.52	0.34		1.00	0.20	0.40	0.67	0.80		
	6.21		S31	B	School	56	36	76	3.37	3.25	3.10	2.86	2.49	2.20		0.60	0.30	1.12	1.86	2.24		
	11.04		S31	C	School	69	50	86	7.22	7.01	6.72	6.22	5.36	4.49		0.60	0.25	1.99	3.31	3.97		
	3.90		S31	D	School	75	57	91	2.77	2.70	2.61	2.43	2.12	1.77		0.60	0.20	0.70	1.17	1.40		
	51.85		S31	A	Turf, Good	33	17	53	1.41	0.86	0.31	0.00	0.00	0.00		1.00	0.40	15.56	25.93	31.11		
	114.80		S31	B	Turf, Good	58	38	77	33.36	30.07	25.66	18.67	8.45	1.37		1.00	0.30	34.44	57.40	68.88		
	33.86		S31	C	Turf, Good	72	53	89	16.82	15.86	14.52	12.22	8.25	4.29		1.00	0.25	10.16	16.93	20.32		
	0.44		S31	D	Turf, Good	79	62	93	0.27	0.26	0.24	0.21	0.16	0.10		1.00	0.20	0.13	0.22	0.26		
	33.60		S31	A	Woodland, Grass, Fair	44	26	64	4.07	3.34	2.43	0.00	0.00	0.00		1.00	0.40	10.08	16.80	20.16		
	26.08		S31	B	Woodland, Grass, Fair	65	45	83	10.16	9.39	8.34	1.09	0.08	0.00		1.00	0.30	7.82	13.04	15.65		
	48.80		S31	C	Woodland, Grass, Fair	77	59	92	28.20	26.92	25.10	8.75	4.21	0.87		1.00	0.25	14.64	24.40	29.28		
	1.07		S31	D	Woodland, Grass, Fair	82	66	95	0.71	0.68	0.65	0.28	0.17	0.06		1.00	0.20	0.32	0.54	0.64		
	1.50		S32	C	Barren	91	80	98	1.24	1.22	1.19	0.75	0.58	0.38		1.00	0.25	0.45	0.75	0.90		
	0.60		S32	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36		
	10.15		S32	B	Commercial, Industrial	56	36	76	9.04	8.98	8.89	8.73	8.43	8.04		0.10	0.30	0.30	0.51	0.61		
	0.33		S32	C	Commercial, Industrial	69	50	86	0.30	0.30	0.30	0.29	0.28	0.26		0.10	0.25	0.01	0.02	0.02		
	4.83		S32	D	Commercial, Industrial	75	57	91	4.44	4.41	4.37	4.29	4.13	3.90		0.10	0.20	0.14	0.24	0.29		
	8.06		S32	B	Condominiums	56	36	76	5.77	5.68	5.54	5.32	4.96	4.62		0.35	0.30	0.85	1.41	1.69		
	7.30		S32	C	Condominiums	69	50	86	5.70	5.61	5.49	5.26	4.86	4.41		0.35	0.25	0.77	1.28	1.53		
	0.90		S32	A	Fallow	77	59	92	0.52	0.50	0.46	0.16	0.08	0.02		1.00	0.40	0.27	0.45	0.54		
	1.13		S32	B	Fallow	86	72	97	0.83	0.81	0.77	0.40	0.27	0.14		1.00	0.30	0.34	0.57	0.68		
	3.76		S32	C	Fallow	91	80	98	3.10	3.05	2.97	1.89	1.45	0.95		1.00	0.25	1.13	1.88	2.26		
	2.57		S32	D	Fallow	94	85	99	2.27	2.24	2.20	1.58	1.31	0.97		1.00	0.20	0.77	1.29	1.54		
	0.13		S32	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.04	0.07	0.08		
	75.47		S32	B	Grass, Annual or Perennial, Fair	69	50	86	33.95	31.76	28.72	5.95	1.43	0.00		1.00	0.30	22.64	37.74	45.28		
	143.60		S32	C	Grass, Annual or Perennial, Fair	79	62	93	87.80	84.20	79.05	30.10	15.81	4.41		1.00	0.25	43.08	71.80	86.16		
	7.85		S32	D	Grass, Annual or Perennial, Fair	84	69	96	5.48	5.31	5.07	2.40	1.52	0.68		1.00	0.20	2.36	3.93	4.71		
	25.40		S32	B	Open Brush, Fair	66	46	84	10.27	9.53	8.50	1.27	0.15	0.00		1.00	0.30	7.62	12.70	15.24		
	310.79		S32	C	Open Brush, Fair	77	59	92	179.60	171.46	159.87	55.74	26.81	5.54		1.00	0.25	93.24	155.40	186.47		
	7.06		S32	D	Open Brush, Fair	83	67	96	4.80	4.65	4.42	2.01	1.23	0.51		1.00	0.20	2.12	3.53	4.24		
	19.85		S32	B	Public Park	56	36	76	7.31	6.83	6.18	5.16	3.70	2.71		0.85	0.30	5.06	8.44	10.12		
	5.35		S32	C	Public Park	69	50	86	2.82	2.68	2.49	2.18	1.64	1.12		0.85	0.25	1.36	2.27	2.73		
	5.96		S32	D	Public Park	75	57	91	3.62	3.48	3.28	2.93	2.31	1.64		0.85	0.20	1.52	2.53	3.04		
	30.31		S32	C	Residential 2 dwellings/acre	69	50	86	18.28	17.63	16.72	15.18	12.55	9.93		0.70	0.25	6.37	10.61	12.73		
	1.81		S32	D	Residential 2 dwellings/acre	75	57	91	1.21	1.18	1.12	1.03	0.87	0.69		0.70	0.20	0.38	0.63	0.76		
	0.30		S32	A	Residential 3-4 dwellings/acre	32	17	52	0.12	0.12	0.11	0.11	0.11	0.11		0.60	0.40	0.05	0.09	0.11		
	71.64		S32	B	Residential 3-4 dwellings/acre	56	36	76	38.85	37.54	35.78	32.97	28.73	25.44		0.60	0.30	12.90	21.49	25.79		
	97.27		S32	C	Residential 3-4 dwellings/acre	69	50	86	63.61	61.78	59.22	54.83	47.26	39.53		0.60	0.25	17.51	29.18	35.02		
	10.38		S32	D	Residential 3-4 dwellings/acre	75	57	91	7.38	7.20	6.93	6.47	5.64	4.70		0.60	0.20	1.87	3.11	3.74		
	1.16		S32	A	Residential 5-7 dwellings/acre	32	17	52	0.57	0.56	0.55	0.55	0.53	0.51		0.50	0.40	0.17	0.29	0.35		
	61.61		S32	B	Residential 5-7 dwellings/acre	56	36	76	37.70	36.73	35.41	33.28	30.00	27.26		0.50	0.30	9.24	15.40	18.48		
	77.55		S32	C	Residential 5-7 dwellings/acre	69	50	86	54.67	53.41	51.64	48.59	43.25	37.63		0.50	0.25	11.63	19.39	23.27		
	18.29		S32	D	Residential 5-7 dwellings/acre	75	57	91	13.76	13.48	13.08	12.37	11.07	9.59		0.50	0.20	2.74	4.57	5.49		
	0.49		S32	A	Row Crops, Poor	72	53	89	0.24	0.23	0.21	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.29		
	0.02		S32	B	Row Crops, Poor	81	64	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01		
	2.90		S32	C	Row Crops, Poor	88	75	98	2.23	2.18	2.11	1.19	0.84	0.48		1.00	0.25	0.87	1.45	1.74		
	2.20		S32	D	Row Crops, Poor	91	80	98	1.82	1.78	1.74	1.11	0.85	0.56		1.00	0.20	0.66	1.10	1.32		
	3.35		S32	B	School	56	36	76	1.82	1.76	1.67	1.54	1.34	1.19		0.60	0.30	0.60	1.01	1.21		
	4.81		S32	C	School	69	50	86	3.15	3.05	2.93	2.71	2.34	1.95		0.60	0.25	0.87	1.44	1.73		
	5.12		S32	D	School	75	57	91	3.64	3.55	3.42	3.19	2.78	2.32		0.60	0.20	0.92	1.54	1.84		
	3.04		S32	A	Woodland, Grass, Fair	44	26	64	0.37	0.30	0.22	0.00	0.00	0.00		1.00	0.40	0.91	1.52	1.82		
	73.14		S32	B	Woodland, Grass, Fair	65	45	83	28.50	26.35	23.39	3.06	0.22	0.00		1.00	0.30	21.94	36.57	43.88		
	18.30		S32	C	Woodland, Grass, Fair																	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
									AMC			P ₂₄ (Inches)						5.63					
						II	I	III	AMC 1/AMCII														
	34.6	HZ-206	S33	B	Row Crops, Poor	81	64	95	22.34	21.52	20.33	8.46	4.81	1.69		1.00	0.30	10.38	17.30	20.76			
	2.4	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.94	0.86	0.77	0.10	0.01	0.00		1.00	0.30	0.72	1.20	1.44			
	22.6	HZ-206	S33	C	Open Brush, Fair	77	59	92	13.06	12.47	11.63	4.05	1.95	0.40		1.00	0.25	6.78	11.30	13.56			
	11.6	HZ-206	S33	C	Row Crops, Poor	88	75	98	8.93	8.73	8.43	4.74	3.37	1.93		1.00	0.25	3.48	5.80	6.96			
	0.4	HZ-206	S33	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.29		0.20	0.20	0.02	0.04	0.05			
	4.8	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	3.10	2.98	2.82	1.17	0.67	0.23		1.00	0.20	1.44	2.40	2.88			
	1.6	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.12	1.08	1.03	0.49	0.31	0.14		1.00	0.20	0.48	0.80	0.96			
	46.4	HZ-206	S33	D	Open Brush, Fair	83	67	96	31.56	30.54	29.05	13.23	8.08	3.38		1.00	0.20	13.92	23.20	27.84			
	0.1	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	60.7	HZ-206	S33	D	Row Crops, Poor	91	80	98	50.09	49.25	47.99	30.50	23.42	15.39		1.00	0.20	18.21	30.35	36.42			
	5.8	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.84	3.71	3.52	1.53	0.91	0.35		1.00	0.20	1.74	2.90	3.48			
	0.2	HZ-207	S33	A	Barren	78	61	93	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.40	0.06	0.10	0.12			
	0.4	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24			
	0.8	HZ-207	S33	B	Barren	86	72	97	0.59	0.57	0.55	0.28	0.19	0.10		1.00	0.30	0.24	0.40	0.48			
	1.4	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.25	1.24	1.23	1.20	1.16	1.11		0.10	0.30	0.04	0.07	0.08			
	2.6	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	1.17	1.09	0.99	0.20	0.05	0.00		1.00	0.30	0.78	1.30	1.56			
	2.2	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.89	0.83	0.74	0.11	0.01	0.00		1.00	0.30	0.66	1.10	1.32			
	3.1	HZ-207	S33	B	Row Crops, Poor	81	64	95	2.00	1.93	1.82	0.76	0.43	0.15		1.00	0.30	0.93	1.55	1.86			
	3.4	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.32	1.22	1.09	0.14	0.01	0.00		1.00	0.30	1.02	1.70	2.04			
	0.5	HZ-207	S33	D	Barren	93	83	99	0.43	0.43	0.42	0.29	0.23	0.17		1.00	0.20	0.15	0.25	0.30			
	0.2	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12			
	3.6	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.31	3.29	3.25	3.20	3.08	2.91		0.10	0.20	0.11	0.18	0.22			
	4	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.79	2.71	2.58	1.23	0.77	0.35		1.00	0.20	1.20	2.00	2.40			
	14.6	HZ-207	S33	D	Open Brush, Fair	83	67	96	9.93	9.61	9.14	4.16	2.54	1.06		1.00	0.20	4.38	7.30	8.76			
	6.3	HZ-207	S33	D	Row Crops, Poor	91	80	98	5.20	5.11	4.98	3.17	2.43	1.60		1.00	0.20	1.89	3.15	3.78			
	3.7	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.45	2.37	2.24	0.98	0.58	0.22		1.00	0.20	1.11	1.85	2.22			
	0.1	HZ-208	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.2	HZ-208	S33	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	5	HZ-208	S33	A	Woodland, Grass, Fair	44	26	64	0.61	0.50	0.36	0.00	0.00	0.00		1.00	0.40	1.50	2.50	3.00			
	3.2	HZ-208	S33	B	Commercial, Industrial	56	36	76	2.85	2.83	2.80	2.75	2.66	2.53		0.10	0.30	0.10	0.16	0.19			
	0.1	HZ-208	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.9	HZ-208	S33	B	Open Brush, Fair	66	46	84	0.36	0.34	0.30	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54			
	0.3	HZ-208	S33	C	Apartments	69	50	86	0.26	0.25	0.25	0.24	0.23	0.22		0.20	0.25	0.02	0.03	0.04			
	0.2	HZ-208	S33	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12			
	1	HZ-208	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.54	0.52	0.48	0.15	0.07	0.01		1.00	0.25	0.30	0.50	0.60			
	41.9	HZ-208	S33	C	Commercial, Industrial	69	50	86	38.09	37.83	37.46	36.78	35.40	33.54		0.10	0.25	1.26	2.10	2.51			
	7.2	HZ-208	S33	C	Grass, Annual or Perennial, Fair	79	62	93	4.40	4.22	3.96	1.51	0.79	0.22		1.00	0.25	2.16	3.60	4.32			
	25	HZ-208	S33	C	Open Brush, Fair	77	59	92	14.45	13.79	12.86	4.48	2.16	0.45		1.00	0.25	7.50	12.50	15.00			
	0.1	HZ-208	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	0.9	HZ-208	S33	C	Row Crops, Poor	88	75	98	0.69	0.68	0.65	0.37	0.26	0.15		1.00	0.25	0.27	0.45	0.54			
	0.3	HZ-208	S33	C	School	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11			
	13.2	HZ-208	S33	C	Woodland, Grass, Fair	77	59	92	7.63	7.28	6.79	2.37	1.14	0.24		1.00	0.25	3.96	6.60	7.92			
	0.5	HZ-208	S33	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06			
	0.6	HZ-208	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36			
	33.9	HZ-208	S33	D	Commercial, Industrial	75	57	91	31.14	30.94	30.64	30.09	28.96	27.40		0.10	0.20	1.02	1.70	2.03			
	17.6	HZ-208	S33	D	Grass, Annual or Perennial, Fair	84	69	96	12.28	11.91	11.36	5.39	3.40	1.53		1.00	0.20	5.28	8.80	10.56			
	16.8	HZ-208	S33	D	Open Brush, Fair	83	67	96	11.43	11.06	10.52	4.79	2.92	1.22		1.00	0.20	5.04	8.40	10.08			
	0.6	HZ-208	S33	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	1.5	HZ-208	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.19	1.17	1.14	1.09	1.00	0.89		0.40	0.20	0.18	0.30	0.36			
	10	HZ-208	S33	D	Row Crops, Poor	91	80	98	8.25	8.11	7.91	5.02	3.86	2.54		1.00	0.20	3.00	5.00	6.00			
	0.3	HZ-208	S33	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11			
	0.7	HZ-208	S33	D	Woodland, Grass, Fair	82	66	95	0.46	0.45	0.42	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42			
	0.2	HZ-31010	S33	B	Commercial, Industrial	56	36	76	0.18	0.18	0.18	0.17	0.17	0.16		0.10	0.30	0.01	0.01	0.01			
	0.1	HZ-31010	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.2	HZ-31010	S33	B	Orchards, Evergreen, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	3.7	HZ-31010	S33	C	Barren	91	80	98	3.05	3.00	2.93	1.86	1.43	0.94		1.00	0.25	1.11	1.85	2.22			
	0.3	HZ-31010	S33	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02			
	3.2	HZ-31010	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.96	1.88	1.76	0.67	0.35	0.10		1.00	0.25	0.96	1.60	1.92			
	3.6	HZ-31010	S33	C	Woodland, Grass, Fair	77	59	92	2.08	1.99	1.85	0.65	0.31	0.06		1.00	0.25	1.08	1.80	2.16			
	1.9	HZ-31010	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.33	1.29	1.23	0.58	0.37	0.17		1.00	0.20	0.57	0.95	1.14			
	0.6	HZ-31010	S33	D	Woodland, Grass, Fair	82	66	95	0.40	0.38	0.36	0.16	0.09	0.04		1.00	0.20	0.18	0.30	0.36			
	0.3	HZ-31010.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.06	0.05	0.04	0.00	0.00	0.00		1.00							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC			P ₂₄ (Inches)						5.63								
						II	I	III	AMC 1/AMCII														
	0.5	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30			
	0.7	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.20	0.12	0.05		1.00	0.20	0.21	0.35	0.42			
	0.1	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	0.3	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.19	0.19	0.18	0.07	0.04	0.01		1.00	0.20	0.09	0.15	0.18			
	1.9	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.29	1.25	1.19	0.54	0.33	0.14		1.00	0.20	0.57	0.95	1.14			
	1.1	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.64	0.61	0.57	0.20	0.09	0.02		1.00	0.25	0.33	0.55	0.66			
	2.5	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.70	1.65	1.56	0.71	0.44	0.18		1.00	0.20	0.75	1.25	1.50			
	0.7	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.38	0.36	0.34	0.11	0.05	0.01		1.00	0.25	0.21	0.35	0.42			
	3	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.73	1.66	1.54	0.54	0.26	0.05		1.00	0.25	0.90	1.50	1.80			
	0.6	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36			
	2.1	HZ-31104	S33	D	Open Brush, Fair	83	67	96	1.43	1.38	1.31	0.60	0.37	0.15		1.00	0.20	0.63	1.05	1.26			
	0.6	HZ-31105	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.22	0.20	0.17	0.02	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.1	HZ-31105	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	2.8	HZ-31105	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.53	1.45	1.34	0.42	0.18	0.02		1.00	0.25	0.84	1.40	1.68			
	2.6	HZ-31105	S33	C	Open Brush, Fair	77	59	92	1.50	1.43	1.34	0.47	0.22	0.05		1.00	0.25	0.78	1.30	1.56			
	0.6	HZ-31105	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36			
	4.1	HZ-31105	S33	D	Open Brush, Fair	83	67	96	2.79	2.70	2.57	1.17	0.71	0.30		1.00	0.20	1.23	2.05	2.46			
	0.8	HZ-31106	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.29	0.26	0.23	0.02	0.00	0.00		1.00	0.30	0.24	0.40	0.48			
	1.5	HZ-31106	S33	B	Open Brush, Fair	66	46	84	0.61	0.56	0.50	0.08	0.01	0.00		1.00	0.30	0.45	0.75	0.90			
	1.9	HZ-31106	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.04	0.98	0.91	0.29	0.12	0.02		1.00	0.25	0.57	0.95	1.14			
	8.2	HZ-31106	S33	C	Open Brush, Fair	77	59	92	4.74	4.52	4.22	1.47	0.71	0.15		1.00	0.25	2.46	4.10	4.92			
	2.7	HZ-31106	S33	D	Open Brush, Fair	83	67	96	1.84	1.78	1.69	0.77	0.47	0.20		1.00	0.20	0.81	1.35	1.62			
	0.5	HZ-31107	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.18	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	1.1	HZ-31107	S33	B	Open Brush, Fair	66	46	84	0.44	0.41	0.37	0.06	0.01	0.00		1.00	0.30	0.33	0.55	0.66			
	6.5	HZ-31107	S33	C	Chaparral, Broadleaf, Fair	75	57	91	3.54	3.37	3.12	0.98	0.42	0.05		1.00	0.25	1.95	3.25	3.90			
	5.5	HZ-31107	S33	C	Open Brush, Fair	77	59	92	3.18	3.03	2.83	0.99	0.47	0.10		1.00	0.25	1.65	2.75	3.30			
	1.3	HZ-31107	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.84	0.81	0.76	0.32	0.18	0.06		1.00	0.20	0.39	0.65	0.78			
	3.4	HZ-31107	S33	D	Open Brush, Fair	83	67	96	2.31	2.24	2.13	0.97	0.59	0.25		1.00	0.20	1.02	1.70	2.04			
	0.7	HZ-31108	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.25	0.23	0.20	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	2.2	HZ-31108	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.99	0.93	0.84	0.17	0.04	0.00		1.00	0.30	0.66	1.10	1.32			
	3.1	HZ-31108	S33	B	Open Brush, Fair	66	46	84	1.25	1.16	1.04	0.16	0.02	0.00		1.00	0.30	0.93	1.55	1.86			
	0.9	HZ-31108	S33	B	Woodland, Grass, Fair	65	45	83	0.35	0.32	0.29	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54			
	7.4	HZ-31108	S33	C	Chaparral, Broadleaf, Fair	75	57	91	4.03	3.83	3.55	1.12	0.48	0.06		1.00	0.25	2.22	3.70	4.44			
	0.3	HZ-31108	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.18	0.18	0.17	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	11.4	HZ-31108	S33	C	Open Brush, Fair	77	59	92	6.59	6.29	5.86	2.04	0.98	0.20		1.00	0.25	3.42	5.70	6.84			
	8.9	HZ-31108	S33	C	Woodland, Grass, Fair	77	59	92	5.14	4.91	4.58	1.60	0.77	0.16		1.00	0.25	2.67	4.45	5.34			
	1.9	HZ-31108	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.23	1.18	1.12	0.46	0.26	0.09		1.00	0.20	0.57	0.95	1.14			
	9.2	HZ-31108	S33	D	Open Brush, Fair	83	67	96	6.26	6.05	5.76	2.62	1.60	0.67		1.00	0.20	2.76	4.60	5.52			
	1.4	HZ-31108	S33	D	Woodland, Grass, Fair	82	66	95	0.93	0.90	0.85	0.37	0.22	0.08		1.00	0.20	0.42	0.70	0.84			
	0.8	HZ-31109	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.36	0.34	0.30	0.06	0.02	0.00		1.00	0.30	0.24	0.40	0.48			
	0.6	HZ-31109	S33	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.1	HZ-31109	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05			
	1.3	HZ-31109	S33	B	Row Crops, Poor	81	64	95	0.84	0.81	0.76	0.32	0.18	0.06		1.00	0.30	0.39	0.65	0.78			
	4	HZ-31109	S33	B	Woodland, Grass, Fair	65	45	83	1.56	1.44	1.28	0.17	0.01	0.00		1.00	0.30	1.20	2.00	2.40			
	1.5	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.82	0.78	0.72	0.23	0.10	0.01		1.00	0.25	0.45	0.75	0.90			
	0.3	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.18	0.18	0.17	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	9.6	HZ-31109	S33	C	Open Brush, Fair	77	59	92	5.55	5.30	4.94	1.72	0.83	0.17		1.00	0.25	2.88	4.80	5.76			
	0.4	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22			
	6.2	HZ-31109	S33	C	Row Crops, Poor	88	75	98	4.77	4.66	4.51	2.54	1.80	1.03		1.00	0.25	1.86	3.10	3.72			
	3.9	HZ-31109	S33	C	Woodland, Grass, Fair	77	59	92	2.25	2.15	2.01	0.70	0.34	0.07		1.00	0.25	1.17	1.95	2.34			
	1.4	HZ-31109	S33	D	Row Crops, Poor	91	80	98	1.16	1.14	1.11	0.70	0.54	0.36		1.00	0.20	0.42	0.70	0.84			
	4.9	HZ-31110	S33	A	Barren	78	61	93	2.91	2.79	2.61	0.95	0.48	0.12		1.00	0.40	1.47	2.45	2.94			
	1.5	HZ-31110	S33	A	Row Crops, Poor	72	53	89	0.75	0.70	0.64	0.17	0.06	0.00		1.00	0.40	0.45	0.75	0.90			
	0.6	HZ-31110	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.18	0.16	0.13	0.09	0.06		0.90	0.30	0.16	0.27	0.32			
	2.5	HZ-31110	S33	B	Row Crops, Poor	81	64	95	1.61	1.55	1.47	0.61	0.35	0.12		1.00	0.30	0.75	1.25	1.50			
	5.3	HZ-31110	S33	C	Row Crops, Poor	88	75	98	4.08	3.99	3.85	2.17	1.54	0.88		1.00	0.25	1.59	2.65	3.18			
	3.3	HZ-31110	S33	D	Row Crops, Poor	91	80	98	2.72	2.68	2.61	1.66	1.27	0.84		1.00	0.20	0.99	1.65	1.98			
	1.3	HZ-31111	S33	A	Barren	78	61	93	0.77	0.74	0.69	0.25	0.13	0.03		1.00	0.40	0.39	0.65	0.78			
	0.2	HZ-31111	S33	A	Commercial, Industrial	32	17	52	0.17	0.17	0.17	0.17	0.17	0.16		0.10	0.40	0.01	0.01	0.01			
	5.3	HZ-31111	S33	A	Row Crops, Poor	72	53	89	2.63	2.48	2.27	0.60	0.21	0.00		1.00	0.40	1.59	2.65	3.18			
	0.3	HZ-31111	S33	A	Woodland, Grass, Fair	44	26	64	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18			
	0.2	HZ-31111	S33	B</																			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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)													
						100	50	25	10	5	2	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC 1/AMCII						5.63							
	14.6	HZ-31111	S33	D	Row Crops, Poor	91	80	98	12.05	11.84	11.54	7.34	5.63	3.70		1.00	0.20	4.38	7.30	8.76		
	13.8	HZ-31112	S33	A	Barren	78	61	93	8.20	7.85	7.35	2.68	1.35	0.33		1.00	0.40	4.14	6.90	8.28		
	2.6	HZ-31112	S33	B	Barren	86	72	97	1.91	1.86	1.78	0.92	0.62	0.32		1.00	0.30	0.78	1.30	1.56		
	1.1	HZ-31112	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07		
	3.5	HZ-31112	S33	B	Residential 2.5 acre lots	56	36	76	1.17	1.08	0.96	0.77	0.50	0.33		0.90	0.30	0.95	1.58	1.89		
	6.9	HZ-31112	S33	B	Row Crops, Poor	81	64	95	4.45	4.29	4.06	1.69	0.96	0.34		1.00	0.30	2.07	3.45	4.14		
	0.2	HZ-31112	S33	C	Barren	91	80	98	0.17	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12		
	0.1	HZ-31112	S33	C	Row Crops, Poor	88	75	98	0.08	0.08	0.07	0.04	0.03	0.02		1.00	0.25	0.03	0.05	0.06		
	0.1	HZ-31112	S33	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	2.4	HZ-31112	S33	D	Residential 2.5 acre lots	75	57	91	1.41	1.35	1.26	1.12	0.85	0.58		0.90	0.20	0.65	1.08	1.30		
	0.5	HZ-31112	S33	D	Row Crops, Poor	91	80	98	0.41	0.41	0.40	0.25	0.19	0.13		1.00	0.20	0.15	0.25	0.30		
	0.5	HZ-31113	S33	A	Barren	78	61	93	0.30	0.28	0.27	0.10	0.05	0.01		1.00	0.40	0.15	0.25	0.30		
	0.3	HZ-31113	S33	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		0.10	0.40	0.01	0.02	0.02		
	0.2	HZ-31113	S33	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12		
	0.8	HZ-31113	S33	A	Residential 2.5 acre lots	32	17	52	0.09	0.09	0.08	0.08	0.07	0.07		0.90	0.40	0.22	0.36	0.43		
	1.6	HZ-31113	S33	A	Row Crops, Poor	72	53	89	0.79	0.75	0.69	0.18	0.06	0.00		1.00	0.40	0.48	0.80	0.96		
	31.9	HZ-31113	S33	B	Barren	86	72	97	23.40	22.78	21.87	11.30	7.57	3.88		1.00	0.30	9.57	15.95	19.14		
	1.7	HZ-31113	S33	B	Commercial, Industrial	56	36	76	1.51	1.50	1.49	1.46	1.41	1.35		0.10	0.30	0.05	0.09	0.10		
	0.3	HZ-31113	S33	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18		
	2.6	HZ-31113	S33	B	Residential 2.5 acre lots	56	36	76	0.87	0.80	0.71	0.57	0.37	0.24		0.90	0.30	0.70	1.17	1.40		
	5.5	HZ-31113	S33	B	Row Crops, Poor	81	64	95	3.55	3.42	3.23	1.35	0.76	0.27		1.00	0.30	1.65	2.75	3.30		
	0.2	HZ-31113	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.2	HZ-31113	S33	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12		
	1.3	HZ-31113	S33	C	Residential 2.5 acre lots	69	50	86	0.65	0.62	0.57	0.49	0.35	0.22		0.90	0.25	0.35	0.59	0.70		
	0.3	HZ-31113	S33	D	Barren	93	83	99	0.26	0.26	0.25	0.17	0.14	0.10		1.00	0.20	0.09	0.15	0.18		
	0.2	HZ-31113	S33	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01		
	0.3	HZ-31113	S33	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18		
	6.5	HZ-31113	S33	D	Residential 2.5 acre lots	75	57	91	3.81	3.65	3.42	3.02	2.31	1.56		0.90	0.20	1.76	2.93	3.51		
	3	HZ-31113	S33	D	Row Crops, Poor	91	80	98	2.48	2.43	2.37	1.51	1.16	0.76		1.00	0.20	0.90	1.50	1.80		
	1.2	HZ-31113.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.23	0.20	0.16	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72		
	0.5	HZ-31113.2	S33	A	Open Brush, Fair	46	28	66	0.07	0.06	0.05	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30		
	1.7	HZ-31113.2	S33	A	Public Park	32	17	52	0.28	0.26	0.25	0.24	0.23	0.22		0.85	0.40	0.43	0.72	0.87		
	7.2	HZ-31113.2	S33	A	Woodland, Grass, Fair	44	26	64	0.87	0.72	0.52	0.00	0.00	0.00		1.00	0.40	2.16	3.60	4.32		
	1	HZ-31113.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.70	0.68	0.65	0.31	0.19	0.09		1.00	0.20	0.30	0.50	0.60		
	7.8	HZ-31114	S33	A	Barren	78	61	93	4.64	4.44	4.15	1.51	0.76	0.19		1.00	0.40	2.34	3.90	4.68		
	1.7	HZ-31114	S33	A	Row Crops, Poor	72	53	89	0.84	0.80	0.73	0.19	0.07	0.00		1.00	0.40	0.51	0.85	1.02		
	9.4	HZ-31114	S33	B	Barren	86	72	97	6.89	6.71	6.44	3.33	2.23	1.14		1.00	0.30	2.82	4.70	5.64		
	1.2	HZ-31114	S33	B	Open Brush, Fair	66	46	84	0.49	0.45	0.40	0.06	0.01	0.00		1.00	0.30	0.36	0.60	0.72		
	0.1	HZ-31114	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
	2.6	HZ-31114	S33	B	Row Crops, Poor	81	64	95	1.68	1.62	1.53	0.64	0.36	0.13		1.00	0.30	0.78	1.30	1.56		
	0.2	HZ-31114	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.3	HZ-31114	S33	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18		
	0.2	HZ-31114	S33	C	Residential 2.5 acre lots	69	50	86	0.10	0.09	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11		
	2.7	HZ-31114	S33	C	Row Crops, Poor	88	75	98	2.08	2.03	1.96	1.10	0.78	0.45		1.00	0.25	0.81	1.35	1.62		
	18.4	HZ-31115	S33	A	Barren	78	61	93	10.94	10.47	9.79	3.57	1.80	0.44		1.00	0.40	5.52	9.20	11.04		
	1.2	HZ-31115	S33	A	Meadows or Cienegas, Fair	51	32	71	0.24	0.21	0.17	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72		
	0.1	HZ-31115	S33	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06		
	26.6	HZ-31115	S33	B	Barren	86	72	97	19.51	18.99	18.24	9.42	6.31	3.23		1.00	0.30	7.98	13.30	15.96		
	3.9	HZ-31115	S33	B	Commercial, Industrial	56	36	76	3.47	3.45	3.42	3.36	3.24	3.09		0.10	0.30	0.12	0.20	0.23		
	3	HZ-31115	S33	B	Fallow	86	72	97	2.20	2.14	2.06	1.06	0.71	0.36		1.00	0.30	0.90	1.50	1.80		
	0.5	HZ-31115	S33	B	Open Brush, Fair	66	46	84	0.20	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30		
	8.2	HZ-31115	S33	B	Residential 2.5 acre lots	56	36	76	2.73	2.52	2.24	1.80	1.17	0.76		0.90	0.30	2.21	3.69	4.43		
	1.1	HZ-31115	S33	B	Row Crops, Poor	81	64	95	0.71	0.68	0.65	0.27	0.15	0.05		1.00	0.30	0.33	0.55	0.66		
	0.2	HZ-31115	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	14	HZ-31115	S33	C	Barren	91	80	98	11.55	11.36	11.07	7.03	5.40	3.55		1.00	0.25	4.20	7.00	8.40		
	4.3	HZ-31115	S33	C	Commercial, Industrial	69	50	86	3.91	3.88	3.84	3.77	3.63	3.44		0.10	0.25	0.13	0.22	0.26		
	5.3	HZ-31115	S33	C	Fallow	91	80	98	4.37	4.30	4.19	2.66	2.04	1.34		1.00	0.25	1.59	2.65	3.18		
	2.7	HZ-31115	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.65	1.58	1.49	0.57	0.30	0.08		1.00	0.25	0.81	1.35	1.62		
	3.2	HZ-31115	S33	C	Meadows or Cienegas, Fair	80	63	94	2.01	1.93	1.82	0.72	0.39	0.12		1.00	0.25	0.96	1.60	1.92		
	6.1	HZ-31115	S33	C	Open Brush, Fair	77	59	92	3.53	3.37	3.14	1.09	0.53	0.11		1.00	0.25	1.83	3.05	3.66		
	7.5	HZ-31115	S33	C	Residential 2.5 acre lots	69	50	86	3.76	3.56	3.28	2.										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
									AMC			P ₂₄ (Inches)							5.63				
						II	I	III	AMC 1/AMCII														
	0.1	HZ-31116	S33	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05			
	0.1	HZ-31116	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.1	HZ-31116	S33	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.2	HZ-31116	S33	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12			
	0.4	HZ-31116	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20			
	0.4	HZ-31116	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.28	0.27	0.26	0.12	0.08	0.03		1.00	0.20	0.12	0.20	0.24			
	0.8	HZ-31116	S33	D	Residential 2.5 acre lots	75	57	91	0.47	0.45	0.42	0.37	0.28	0.19		0.90	0.20	0.22	0.36	0.43			
	0.8	HZ-31116	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.36	0.34	0.30	0.06	0.02	0.00		1.00	0.30	0.24	0.40	0.48			
	1	HZ-31116	S33	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.17	0.07		1.00	0.20	0.30	0.50	0.60			
	1.1	HZ-31116	S33	D	Woodland, Grass, Fair	82	66	95	0.73	0.70	0.67	0.29	0.17	0.07		1.00	0.20	0.33	0.55	0.66			
	1.1	HZ-31116	S33	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	2.8	HZ-31116	S33	C	Residential 2.5 acre lots	69	50	86	1.40	1.33	1.23	1.05	0.76	0.48		0.90	0.25	0.76	1.26	1.51			
	3.5	HZ-31116	S33	C	Commercial, Industrial	69	50	86	3.18	3.16	3.13	3.07	2.96	2.80		0.10	0.25	0.11	0.18	0.21			
	5	HZ-31116	S33	C	Grass, Annual or Perennial, Fair	79	62	93	3.06	2.93	2.75	1.05	0.55	0.15		1.00	0.25	1.50	2.50	3.00			
	6.7	HZ-31116	S33	B	Residential 2.5 acre lots	56	36	76	2.23	2.06	1.83	1.47	0.96	0.62		0.90	0.30	1.81	3.02	3.62			
	7.8	HZ-31116	S33	C	Woodland, Grass, Fair	77	59	92	4.51	4.30	4.01	1.40	0.67	0.14		1.00	0.25	2.34	3.90	4.68			
	10.8	HZ-31116	S33	C	Open Brush, Fair	77	59	92	6.24	5.96	5.56	1.94	0.93	0.19		1.00	0.25	3.24	5.40	6.48			
	13.8	HZ-31116	S33	B	Commercial, Industrial	56	36	76	12.24	12.16	12.04	11.83	11.42	10.89		0.10	0.30	0.41	0.69	0.83			
	21.5	HZ-31116	S33	B	Barren	86	72	97	15.73	15.32	14.70	7.60	5.09	2.61		1.00	0.30	6.44	10.73	12.87			
	36.6	HZ-31116	S33	C	Barren	91	80	98	30.20	29.69	28.94	18.39	14.12	9.28		1.00	0.25	10.98	18.30	21.96			
	0.5	S33-01	S33	A	Barren	78	61	93	0.30	0.28	0.27	0.10	0.05	0.01		1.00	0.40	0.15	0.25	0.30			
	22.6	S33-01	S33	A	Commercial, Industrial	32	17	52	19.58	19.48	19.35	19.13	18.65	17.89		0.10	0.40	0.68	1.13	1.36			
	4.7	S33-01	S33	A	Row Crops, Poor	72	53	89	2.33	2.20	2.02	0.53	0.18	0.00		1.00	0.40	1.41	2.35	2.82			
	2.9	S33-01	S33	A	Woodland, Grass, Fair	44	26	64	0.35	0.29	0.21	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74			
	0.2	S33-01	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.02		1.00	0.30	0.06	0.10	0.12			
	7.4	S33-01	S33	B	Commercial, Industrial	56	36	76	6.59	6.54	6.48	6.37	6.15	5.86		0.10	0.30	0.22	0.37	0.44			
	1	S33-01	S33	B	Row Crops, Poor	81	64	95	0.65	0.62	0.59	0.24	0.14	0.05		1.00	0.30	0.30	0.50	0.60			
	1.4	S33-01	S33	C	Commercial, Industrial	69	50	86	1.27	1.26	1.25	1.23	1.18	1.12		0.10	0.25	0.04	0.07	0.08			
	15.6	S33-01	S33	C	Open Brush, Fair	77	59	92	9.01	8.61	8.02	2.80	1.35	0.28		1.00	0.25	4.68	7.80	9.36			
	0.1	S33-01	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04			
	5.3	S33-01	S33	C	Row Crops, Poor	88	75	98	4.08	3.99	3.85	2.17	1.54	0.88		1.00	0.25	1.59	2.65	3.18			
	1.2	S33-02	S33	A	Barren	78	61	93	0.71	0.68	0.64	0.23	0.12	0.03		1.00	0.40	0.36	0.60	0.72			
	0.6	S33-02	S33	A	Row Crops, Poor	72	53	89	0.30	0.28	0.26	0.07	0.02	0.00		1.00	0.40	0.18	0.30	0.36			
	0.9	S33-02	S33	C	Barren	91	80	98	0.74	0.73	0.71	0.45	0.35	0.23		1.00	0.25	0.27	0.45	0.54			
	4.8	S33-02	S33	C	Open Brush, Fair	77	59	92	2.77	2.65	2.47	0.86	0.41	0.09		1.00	0.25	1.44	2.40	2.88			
	1.9	S33-02	S33	C	Row Crops, Poor	88	75	98	1.46	1.43	1.38	0.78	0.55	0.32		1.00	0.25	0.57	0.95	1.14			
	0.2	S33-05.5	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.02		1.00	0.30	0.06	0.10	0.12			
	0.5	S33-05.5	S33	B	Row Crops, Poor	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.30	0.15	0.25	0.30			
	1.1	S33-05.5	S33	B	Woodland, Grass, Fair	65	45	83	0.43	0.40	0.35	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.66			
	0.3	S33-05.5	S33	C	Barren	91	80	98	0.25	0.24	0.24	0.15	0.12	0.08		1.00	0.25	0.09	0.15	0.18			
	1.1	S33-05.5	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.67	0.64	0.61	0.23	0.12	0.03		1.00	0.25	0.33	0.55	0.66			
	3.5	S33-05.5	S33	C	Open Brush, Fair	77	59	92	2.02	1.93	1.80	0.63	0.30	0.06		1.00	0.25	1.05	1.75	2.10			
	1.4	S33-05.5	S33	C	Row Crops, Poor	88	75	98	1.08	1.05	1.02	0.57	0.41	0.23		1.00	0.25	0.42	0.70	0.84			
	4.8	S33-05.5	S33	D	Open Brush, Fair	83	67	96	3.27	3.16	3.00	1.37	0.84	0.35		1.00	0.20	1.44	2.40	2.88			
	0.9	S33-05.5	S33	D	Row Crops, Poor	91	80	98	0.74	0.73	0.71	0.45	0.35	0.23		1.00	0.20	0.27	0.45	0.54			
	1.7	S33-05.6	S33	B	Barren	86	72	97	1.25	1.21	1.17	0.60	0.40	0.21		1.00	0.30	0.51	0.85	1.02			
	0.6	S33-05.6	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.27	0.25	0.23	0.05	0.01	0.00		1.00	0.30	0.18	0.30	0.36			
	0.1	S33-05.6	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.4	S33-05.6	S33	B	Woodland, Grass, Fair	65	45	83	0.16	0.14	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	2.2	S33-05.6	S33	C	Barren	91	80	98	1.82	1.78	1.74	1.11	0.85	0.56		1.00	0.25	0.66	1.10	1.32			
	4.2	S33-05.6	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.57	2.46	2.31	0.88	0.46	0.13		1.00	0.25	1.26	2.10	2.52			
	8.1	S33-05.6	S33	C	Open Brush, Fair	77	59	92	4.68	4.47	4.17	1.45	0.70	0.14		1.00	0.25	2.43	4.05	4.86			
	2.3	S33-05.6	S33	C	Woodland, Grass, Fair	77	59	92	1.33	1.27	1.18	0.41	0.20	0.04		1.00	0.25	0.69	1.15	1.38			
	0.2	S33-05.6	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.14	0.14	0.13	0.06	0.04	0.02		1.00	0.20	0.06	0.10	0.12			
	6.9	S33-05.6	S33	D	Open Brush, Fair	83	67	96	4.69	4.54	4.32	1.97	1.20	0.50		1.00	0.20	2.07	3.45	4.14			
	0.7	S33-05.6	S33	D	Woodland, Grass, Fair	82	66	95	0.46	0.45	0.42	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42			
	0.4	S33-06	S33	B	Barren	86	72	97	0.29	0.29	0.27	0.14	0.09	0.05		1.00	0.30	0.12	0.20	0.24			
	9.2	S33-06	S33	B	Grass, Annual or Perennial, Fair	69	50	86	4.14	3.87	3.50	0.73	0.17	0.00		1.00	0.30	2.76	4.60	5.52			
	1	S33-06	S33	B	Open Brush, Fair	66	46	84	0.40	0.38	0.33	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60			
	1.3	S33-06	S33	B	Woodland, Grass, Fair	65	45	83	0.51	0.47	0.42	0.05	0.00	0.00		1.00	0.30	0.39	0.65	0.78			
	2.4	S33-06	S33	C	Barren	91	80	98	1.98	1.95	1.90	1.21	0.93	0.61		1.00	0.25	0.72	1.20	1.44			
	4.1	S33-06	S33	C	Chaparral, Broadleaf, Fair	75	57	91	2.23	2.12	1.97	0.62	0.27	0.03		1.00	0.25	1.23	2.05	2.46			
	19.2	S33-06	S33	C	Grass, Annual or Perennial, Fair	79	62	93	11.74	11.26	10.57												

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100	Storm Event (Year)										
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII					5.63									
PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.49	0.47	0.43	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54			
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.50	1.43	1.34	0.47	0.22	0.05		1.00	0.25	0.78	1.30	1.56			
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38			
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.55	0.52	0.48	0.41	0.30	0.19		0.90	0.25	0.30	0.50	0.59			
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.91	0.90	0.89	0.88	0.84	0.80		0.10	0.25	0.03	0.05	0.06			
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07			
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16			
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	6.00	5.96	5.90	5.79	5.58	5.28		0.10	0.25	0.20	0.33	0.40			
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.90	0.85	0.79	0.68	0.49	0.31		0.90	0.25	0.49	0.81	0.97			
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04			
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.55	3.52	3.49	3.42	3.30	3.12		0.10	0.25	0.12	0.20	0.23			
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.39	0.34	0.24	0.15		0.90	0.25	0.24	0.41	0.49			
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04			
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.30	0.08	0.13	0.15			
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.13	0.12	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22			
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.55	4.51	4.47	4.39	4.22	4.00		0.10	0.25	0.15	0.25	0.30			
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	1.11	1.05	0.98	0.85	0.64	0.44		0.85	0.25	0.54	0.89	1.07			
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.40	0.38	0.35	0.30	0.22	0.14		0.90	0.25	0.22	0.36	0.43			
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.65	1.64	1.63	1.60	1.54	1.46		0.10	0.20	0.05	0.09	0.11			
PA3 Line A	2.8	A-5	S33	B	Commercial, Industrial	56	36	76	2.49	2.48	2.45	2.41	2.33	2.22		0.10	0.30	0.08	0.14	0.17			
PA3 Line A	7.6	A-5	S33	C	Commercial, Industrial	69	50	86	6.91	6.86	6.79	6.67	6.42	6.08		0.10	0.25	0.23	0.38	0.46			
PA3 Line A	0.4	A-5	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20			
PA3 Line A	10.5	A-5	S33	D	Commercial, Industrial	75	57	91	9.64	9.58	9.49	9.32	8.97	8.49		0.10	0.20	0.32	0.53	0.63			
PA3 Line A	0.3	A-5	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16			
PA3 Line A	6.8	A-6	S33	B	Commercial, Industrial	56	36	76	6.05	6.01	5.96	5.85	5.65	5.39		0.10	0.30	0.20	0.34	0.41			
PA3 Line A	12.1	A-6	S33	C	Commercial, Industrial	69	50	86	11.00	10.93	10.82	10.62	10.22	9.69		0.10	0.25	0.36	0.61	0.73			
PA3 Line A	1	A-6	S33	C	Public Park	69	50	86	0.53	0.50	0.47	0.41	0.31	0.21		0.85	0.25	0.26	0.43	0.51			
PA3 Line A	4.5	A-6	S33	D	Commercial, Industrial	75	57	91	4.13	4.11	4.07	3.99	3.84	3.64		0.10	0.20	0.14	0.23	0.27			
PA3 Line A	3.4	A-8	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.98	2.93	2.82	2.69		0.10	0.30	0.10	0.17	0.20			
PA3 Line A	6.7	A-8	S33	C	Commercial, Industrial	69	50	86	6.09	6.05	5.99	5.88	5.66	5.36		0.10	0.25	0.20	0.34	0.40			
PA3 Line A	0.1	A-8	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
PA3 Line A	2.5	A-8	S33	D	Commercial, Industrial	75	57	91	2.30	2.28	2.26	2.22	2.14	2.02		0.10	0.20	0.08	0.13	0.15			
PA3 Line A	7.2	A-7	S33	B	Commercial, Industrial	56	36	76	6.41	6.37	6.31	6.20	5.98	5.70		0.10	0.30	0.22	0.36	0.43			
PA3 Line A	0.7	A-7	S33	B	Public Park	56	36	76	0.26	0.24	0.22	0.18	0.13	0.10		0.85	0.30	0.18	0.30	0.36			
PA3 Line A	7.6	A-7	S33	C	Commercial, Industrial	69	50	86	6.91	6.86	6.79	6.67	6.42	6.08		0.10	0.25	0.23	0.38	0.46			
PA3 Line A	0.3	A-7	S33	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15			
PA3 Line A	4.7	A-7	S33	D	Commercial, Industrial	75	57	91	4.32	4.29	4.25	4.17	4.02	3.80		0.10	0.20	0.14	0.24	0.28			
PA3 Line A	0.4	A-7	S33	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.15	0.11		0.85	0.20	0.10	0.17	0.20			
PA3 Line A	3.5	A-18	S33	B	Commercial, Industrial	56	36	76	3.12	3.10	3.07	3.01	2.91	2.77		0.10	0.30	0.11	0.18	0.21			
PA3 Line A	0.6	A-18	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.18	0.16	0.13	0.09	0.06		0.90	0.30	0.16	0.27	0.32			
PA3 Line A	2.8	A-18	S33	C	Commercial, Industrial	69	50	86	2.55	2.53	2.50	2.46	2.37	2.24		0.10	0.25	0.08	0.14	0.17			
PA3 Line A	0.8	A-18	S33	C	Residential 2.5 acre lots	69	50	86	0.40	0.38	0.35	0.30	0.22	0.14		0.90	0.25	0.22	0.36	0.43			
PA3 Line A	0.6	A-18	S33	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04			
PA3 Line A	0.4	A-9	S33	B	Apartments	56	36	76	0.33	0.32	0.32	0.31	0.30	0.28		0.20	0.30	0.02	0.04	0.05			
PA3 Line A	5.5	A-9	S33	C	Apartments	69	50	86	4.72	4.67	4.60	4.48	4.25	3.97		0.20	0.25	0.33	0.55	0.66			
PA3 Line A	3.2	A-9	S33	D	Apartments	75	57	91	2.81	2.78	2.74	2.67	2.53	2.36		0.20	0.20	0.19	0.32	0.38			
PA3 Line A	0.4	A-10	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.18	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22			
PA3 Line A	0.3	A-10	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
PA3 Line A	1.3	A-10	S33	D	Public Park	75	57	91	0.79	0.76	0.72	0.64	0.50	0.36		0.85	0.20	0.33	0.55	0.66			
PA3 Line A	1	A-10	S33	D	Residential 2.5 acre lots	75	57	91	0.59	0.56	0.53	0.47	0.36	0.24		0.90	0.20	0.27	0.45	0.54			
PA3 Line A	2.3	A-11	S33	C	Commercial, Industrial	69	50	86	2.09	2.08	2.06	2.02	1.94	1.84		0.10	0.25	0.07	0.12	0.14			
PA3 Line A	0.3	A-11	S33	C	Residential 2.5 acre lots	69	50	86	0.15	0.14	0.13	0.11	0.08	0.05		0.90	0.25	0.08	0.14	0.16			
PA3 Line A	1	A-11	S33	D	Commercial, Industrial	75	57	91	0.92	0.91	0.90	0.89	0.85	0.81		0.10	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-11	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16			
PA3 Line A	5	A-12	S33	C	Commercial, Industrial	69	50	86	4.55	4.51	4.47	4.39	4.22	4.00		0.10	0.25	0.15	0.25	0.30			
PA3 Line A	2.2	A-12	S33	C	Residential 2.5 acre lots	69	50	86	1.10	1.04	0.96	0.83	0.60	0.37		0.90	0.25	0.59	0.99	1.19			
PA3 Line A	1	A-12	S33	D	Commercial, Industrial	75	57	91	0.92	0.91	0.90	0.89	0.85	0.81		0.10	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-12	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16			
PA3 Line A	1.6	A-13	S33	C	Commercial, Industrial	69	50	86	1.45	1.44	1.43	1.40	1.35	1.28		0.10	0.25	0.05	0.08	0.10			
PA3 Line A	0.2	A-13	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	1.1	A-13	S33	C	Residential 2.5 acre lots	69	50	86	0.55	0.52	0.48	0.41	0.30	0.19		0.90	0.25	0.30	0.50	0.59			
PA3 Line A	9	A-14	S33	C	Commercial, Industrial	69	50	86	8.18	8.13	8.05	7.90	7.60	7.21		0.10	0.25	0.27	0.45	0.54			
PA3 Line A	1.9	A-14	S33	C	Public Park	69	50	86	1.00	0.95	0.89	0.77	0.58	0.40		0.85	0.25	0.48	0.81	0.97			
PA3 Line A	2.7	A-14	S33	C	Residential 2.5 acre lots	69	50	86	1.35	1.28	1.18	1.01	0.73	0.46		0.90	0.25	0.73	1.22	1.46			
PA3 Line A	4.1	A-14	S33	D	Commercial, Industrial	75	57	91	3.77	3.74	3.71	3.64	3.50	3.31		0.10	0.20	0.12	0.21	0.25			
PA3 Line A	0.3	A-14	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16			
PA3 Line A	4.5	A-15	S33																				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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				100						100				
									100	50	25	10	5	2	100	P ₂₄ (Inches)				5.63			
						AMC			P ₂₄ (Inches)										5.63				
						II	I	III	AMC 1/AMCII														
PA3 Line A	5.3	OA-3	S33	C	Open Brush, Fair	77	59	92	3.06	2.92	2.73	0.95	0.46	0.09		1.00	0.25	1.59	2.65	3.18			
PA3 Line A	0.3	OA-3	S33	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
PA3 Line A	3.4	A-16	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.98	2.93	2.82	2.69		0.10	0.30	0.10	0.17	0.20			
PA3 Line A	11	A-16	S33	C	Commercial, Industrial	69	50	86	10.00	9.93	9.83	9.66	9.29	8.81		0.10	0.25	0.33	0.55	0.66			
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.95	0.90	0.84	0.73	0.55	0.38		0.85	0.25	0.46	0.77	0.92			
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.56	0.41	0.25		0.90	0.25	0.41	0.68	0.81			
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.94	2.92	2.89	2.84	2.73	2.59		0.10	0.20	0.10	0.16	0.19			
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.76	2.74	2.72	2.67	2.58	2.46		0.10	0.30	0.09	0.16	0.19			
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.52	0.48	0.44	0.36	0.26	0.19		0.85	0.30	0.36	0.60	0.71			
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.37	0.34	0.30	0.24	0.16	0.10		0.90	0.30	0.30	0.50	0.59			
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.64	4.61	4.56	4.48	4.31	4.08		0.10	0.25	0.15	0.26	0.31			
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	1.00	0.95	0.89	0.77	0.58	0.40		0.85	0.25	0.48	0.81	0.97			
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.80	1.71	1.58	1.35	0.97	0.61		0.90	0.25	0.97	1.62	1.94			
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.48	2.46	2.44	2.40	2.31	2.18		0.10	0.20	0.08	0.14	0.16			
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27			
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07			
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.27	3.25	3.22	3.16	3.04	2.88		0.10	0.25	0.11	0.18	0.22			
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	2.7	A-20	S33	C	Residential 10+ dwellings/acre	69	50	86	2.32	2.29	2.26	2.20	2.09	1.95		0.20	0.25	0.16	0.27	0.32			
PA3 Line A	1.4	A-20	S33	C	Residential 2.5 acre lots	69	50	86	0.70	0.66	0.61	0.53	0.38	0.24		0.90	0.25	0.38	0.63	0.76			
PA3 Line A	0.1	A-20	S33	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	1.3	A-20	S33	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.11	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16			
PA3 Line A	0.2	A-20	S33	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11			
PA3 Line A	5.4	A-21	S33	C	Residential 10+ dwellings/acre	69	50	86	4.63	4.59	4.52	4.40	4.17	3.90		0.20	0.25	0.32	0.54	0.65			
PA3 Line A	2.4	A-21	S33	C	Residential 2.5 acre lots	69	50	86	1.20	1.14	1.05	0.90	0.65	0.41		0.90	0.25	0.65	1.08	1.30			
PA3 Line A	0.7	A-21	S33	C	Commercial, Industrial	69	50	86	0.64	0.63	0.63	0.61	0.59	0.56		0.10	0.25	0.02	0.04	0.04			
PA3 Line A	0.6	A-21	S33	D	Residential 2.5 acre lots	75	57	91	0.35	0.34	0.32	0.28	0.21	0.14		0.90	0.20	0.16	0.27	0.32			
PA3 Line A	7.6	A-22	S33	C	Apartments	69	50	86	6.52	6.46	6.36	6.19	5.88	5.49		0.20	0.25	0.46	0.76	0.91			
PA3 Line A	1.4	A-22	S33	C	Commercial, Industrial	69	50	86	1.27	1.26	1.25	1.23	1.18	1.12		0.10	0.25	0.04	0.07	0.08			
PA3 Line A	2.3	A-22	S33	C	Residential 10+ dwellings/acre	69	50	86	1.97	1.95	1.93	1.87	1.78	1.66		0.20	0.25	0.14	0.23	0.28			
PA3 Line A	6.5	A-22	S33	C	Residential 2.5 acre lots	69	50	86	3.26	3.08	2.84	2.44	1.76	1.10		0.90	0.25	1.76	2.93	3.51			
PA3 Line A	8.4	A-22	S33	C	Residential 3-4 dwellings/acre	69	50	86	5.49	5.34	5.11	4.74	4.08	3.41		0.60	0.25	1.51	2.52	3.02			
PA3 Line A	0.5	A-22	S33	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-22	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
PA3 Line A	1.1	A-22	S33	D	Public Park	75	57	91	0.67	0.64	0.61	0.54	0.43	0.30		0.85	0.20	0.28	0.47	0.56			
PA3 Line A	2	A-22	S33	D	Residential 10+ dwellings/acre	75	57	91	1.75	1.74	1.71	1.67	1.58	1.47		0.20	0.20	0.12	0.20	0.24			
PA3 Line A	3.8	A-22	S33	D	Residential 2.5 acre lots	75	57	91	2.23	2.13	2.00	1.77	1.35	0.91		0.90	0.20	1.03	1.71	2.05			
PA3 Line A	3.8	A-22	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.70	2.63	2.54	2.37	2.06	1.72		0.60	0.20	0.68	1.14	1.37			
PA3 Line A	0.1	A-23	S33	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
PA3 Line A	1.6	A-23	S33	C	Commercial, Industrial	69	50	86	1.45	1.44	1.43	1.40	1.35	1.28		0.10	0.25	0.05	0.08	0.10			
PA3 Line A	0.2	A-23	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	0.3	A-23	S33	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
PA3 Line A	2.1	A-23	S33	D	Commercial, Industrial	75	57	91	1.93	1.92	1.90	1.86	1.79	1.70		0.10	0.20	0.06	0.11	0.13			
PA3 Line A	0.6	A-23	S33	D	Public Park	75	57	91	0.36	0.35	0.33	0.30	0.23	0.17		0.85	0.20	0.15	0.26	0.31			
PA3 Line A	0.2	A-23	S33	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
PA3 Line A	0.5	A-25	S33	C	Apartments	69	50	86	0.43	0.42	0.42	0.41	0.39	0.36		0.20	0.25	0.03	0.05	0.06			
PA3 Line A	1.2	A-25	S33	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07			
PA3 Line A	1.2	A-25	S33	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.53	0.45	0.32	0.20		0.90	0.25	0.32	0.54	0.65			
PA3 Line A	0.1	A-25	S33	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
PA3 Line A	1.6	A-25	S33	D	Commercial, Industrial	75	57	91	1.47	1.46	1.45	1.42	1.37	1.29		0.10	0.20	0.05	0.08	0.10			
PA3 Line A	3	A-25	S33	D	Residential 2.5 acre lots	75	57	91	1.76	1.69	1.58	1.40	1.07	0.72		0.90	0.20	0.81	1.35	1.62			
PA3 Line A	1.9	A-25.1	S33	C	Apartments	69	50	86	1.63	1.61	1.59	1.55	1.47	1.37		0.20	0.25	0.11	0.19	0.23			
PA3 Line A	0.6	A-25.1	S33	C	Residential 2.5 acre lots	69	50	86	0.30	0.28	0.26	0.23	0.16	0.10		0.90	0.25	0.16	0.27	0.32			
PA3 Line A	0.3	A-25.1	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11			
PA3 Line A	5	A-25.1	S33	D	Apartments	75	57	91	4.39	4.34	4.28	4.17	3.96	3.69		0.20	0.20	0.30	0.50	0.60			
PA3 Line A	2.3	A-25.1	S33	D	Public Park	75	57	91	1.40	1.34	1.27	1.13	0.89	0.63		0.85	0.20	0.59	0.98	1.17			
PA3 Line A	3.5	A-25.1	S33	D	Residential 2.5 acre lots	75	57	91	2.05	1.97	1.84	1.63	1.25	0.84		0.90	0.20	0.95	1.58	1.89			
PA3 Line A	10.2	A-25.1	S33	D	Residential 3-4 dwellings/acre	75	57	91	7.25	7.07	6.81	6.36	5.54	4.62		0.60	0.20	1.84	3.06	3.67			
PA3 Line A	5.9	A-26	S33	C	Apartments	69	50	86	5.06	5.01	4.94	4.81	4.56	4.26		0.20	0.25	0.35					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII					5.63									
PA3 Line A	4.5	OA-9	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.90	2.80	2.64	1.10	0.63	0.22		1.00	0.20	1.35	2.25	2.70			
PA3 Line A	1.3	OA-9	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	0.95	0.93	0.89	0.46	0.31	0.16		1.00	0.20	0.39	0.65	0.78			
PA3 Line A	3.7	OA-9	S33	D	Open Brush, Fair	83	67	96	2.52	2.43	2.32	1.05	0.64	0.27		1.00	0.20	1.11	1.85	2.22			
PA3 Line A	1.6	A-33	S33	B	Fallow	86	72	97	1.17	1.14	1.10	0.57	0.38	0.19		1.00	0.30	0.48	0.80	0.96			
PA3 Line A	1.3	A-33	S33	B	Open Brush, Fair	66	46	84	0.53	0.49	0.44	0.07	0.01	0.00		1.00	0.30	0.39	0.65	0.78			
PA3 Line A	2.6	A-33	S33	B	Residential 2.5 acre lots	56	36	76	0.87	0.80	0.71	0.57	0.37	0.24		0.90	0.30	0.70	1.17	1.40			
PA3 Line A	1.9	A-33	S33	B	Woodland, Grass, Fair	65	45	83	0.74	0.68	0.61	0.08	0.01	0.00		1.00	0.30	0.57	0.95	1.14			
PA3 Line A	0.7	A-33	S33	C	Fallow	91	80	98	0.58	0.57	0.55	0.35	0.27	0.18		1.00	0.25	0.21	0.35	0.42			
PA3 Line A	0.8	A-33	S33	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48			
PA3 Line A	0.1	A-33	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
PA3 Line A	1.5	A-33	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.56	0.41	0.25		0.90	0.25	0.41	0.68	0.81			
PA3 Line A	0.4	A-33	S33	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24			
PA3 Line A	0.1	A-33	S33	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-33	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16			
	0.80	B1	S34	D	Commercial, Industrial	75	57	91	0.73	0.73	0.72	0.71	0.68	0.65		0.10	0.20	0.02	0.04	0.05			
	1.00	B10	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.75	0.74	0.72	0.68	0.61	0.52		0.50	0.20	0.15	0.25	0.30			
	0.10	B10	S34	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	0.10	B10	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	0.50	B11	S34	C	Residential 10+ dwellings/acre	69	50	86	0.43	0.42	0.42	0.41	0.39	0.36		0.20	0.25	0.03	0.05	0.06			
	0.20	B11	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	0.30	B11	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02			
	3.30	B11	S34	C	Condominiums	69	50	86	2.58	2.54	2.48	2.38	2.20	1.99		0.35	0.25	0.35	0.58	0.69			
	0.20	B11	S34	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	0.40	B11	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.30	0.29	0.29	0.27	0.24	0.21		0.50	0.20	0.06	0.10	0.12			
	3.40	B11	S34	D	Commercial, Industrial	75	57	91	3.12	3.10	3.07	3.02	2.91	2.75		0.10	0.20	0.10	0.17	0.20			
	8.10	B11	S34	D	Condominiums	75	57	91	6.60	6.50	6.37	6.12	5.66	5.11		0.35	0.20	0.85	1.42	1.70			
	8.00	B12	S34	C	Residential 5-7 dwellings/acre	69	50	86	5.64	5.51	5.33	5.01	4.46	3.88		0.50	0.25	1.20	2.00	2.40			
	6.40	B12	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.82	4.72	4.58	4.33	3.87	3.36		0.50	0.20	0.96	1.60	1.92			
	1.20	B13	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.85	0.83	0.80	0.75	0.67	0.58		0.50	0.25	0.18	0.30	0.36			
	2.80	B13	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.11	2.06	2.00	1.89	1.69	1.47		0.50	0.20	0.42	0.70	0.84			
	0.80	B14	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.49	0.48	0.46	0.43	0.39	0.35		0.50	0.30	0.12	0.20	0.24			
	4.10	B14	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.89	2.82	2.73	2.57	2.29	1.99		0.50	0.25	0.62	1.03	1.23			
	0.70	B14	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.53	0.52	0.50	0.47	0.42	0.37		0.50	0.20	0.11	0.18	0.21			
	0.90	B15	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.55	0.54	0.52	0.49	0.44	0.40		0.50	0.30	0.14	0.23	0.27			
	4.10	B15	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.89	2.82	2.73	2.57	2.29	1.99		0.50	0.25	0.62	1.03	1.23			
	2.50	B15	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.88	1.84	1.79	1.69	1.51	1.31		0.50	0.20	0.38	0.63	0.75			
	0.20	B16	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.11	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06			
	1.00	B16	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.70	0.69	0.67	0.63	0.56	0.49		0.50	0.25	0.15	0.25	0.30			
	1.00	B16	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.75	0.74	0.72	0.68	0.61	0.52		0.50	0.20	0.15	0.25	0.30			
	3.50	B17	S34	B	Residential 5-7 dwellings/acre	56	36	76	2.14	2.09	2.01	1.89	1.70	1.55		0.50	0.30	0.53	0.88	1.05			
	6.90	B17	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.86	4.75	4.59	4.32	3.85	3.35		0.50	0.25	1.04	1.73	2.07			
	0.20	B17	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.10		0.50	0.20	0.03	0.05	0.06			
	0.30	B18	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.18	0.18	0.17	0.16	0.15	0.13		0.50	0.30	0.05	0.08	0.09			
	0.40	B18	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.32	0.31	0.30	0.29	0.27	0.24		0.40	0.20	0.05	0.08	0.10			
	0.10	B19	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03			
	0.30	B19	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.20	0.20	0.20	0.19	0.17	0.16		0.40	0.30	0.04	0.06	0.07			
	0.60	B19	S34	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04			
	0.70	B19	S34	B	Open Brush, Fair	66	46	84	0.28	0.26	0.23	0.04	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	0.30	B19	S34	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.90	B19	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.71	0.70	0.69	0.66	0.60	0.54		0.40	0.20	0.11	0.18	0.22			
	0.40	B19	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.20	B19	S34	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.03	0.01		1.00	0.20	0.06	0.10	0.12			
	0.20	B2	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	1.30	B2	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	0.30	B2	S34	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18			
	4.90	B20	S34	B	Residential 5-7 dwellings/acre	56	36	76	3.00	2.92	2.82	2.65	2.39	2.17		0.50	0.30	0.74	1.23	1.47			
	3.60	B20	S34	B	Residential 8-10 dwellings/acre	56	36	76	2.45	2.41	2.34	2.23	2.06	1.91		0.40	0.30	0.43	0.72	0.86			
	18.40	B20	S34	C	Residential 5-7 dwellings/acre	69	50	86	12.97	12.67	12.25	11.53	10.26	8.93		0.50	0.25	2.76	4.60	5.52			
	4.30	B20	S34	C	Residential 8-10 dwellings/acre	69	50	86	3.25	3.19	3.11	2.96	2.71	2.43		0.40	0.25	0.52	0.86	1.03			
	0.50	B20	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.38	0.37	0.36	0.34	0.30	0.26		0.50	0.20	0.08	0.13	0.15			
	6.90	B20	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.48	5.39	5.26	5.03	4.61	4.11		0.40	0.20	0.83	1.38	1.66			
	0.40	B21	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.27	0.27	0.26	0.25	0.23	0.21		0.40	0.30	0.05	0.08	0.10			
	0.40	B21	S34	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100											
						AMC			P ₂₄ (Inches)						5.63								
						II	I	III	AMC 1/AMCII														
	0.30	B22	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07			
	0.10	B22	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.30	B22	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	1.40	B22	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.11	1.09	1.07	1.02	0.93	0.83		0.40	0.20	0.17	0.28	0.34			
	0.10	B23	S34	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.70	B23	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.60	B24	S34	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	0.10	B24	S34	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	3.70	B24	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.34	3.28	3.16	2.99		0.10	0.20	0.11	0.19	0.22			
	0.30	B24	S34	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15			
	11.50	B25	S34	D	Residential 10+ dwellings/acre	75	57	91	10.09	9.99	9.85	9.60	9.11	8.48		0.20	0.20	0.69	1.15	1.38			
	2.90	B25	S34	D	Apartments	75	57	91	2.54	2.52	2.48	2.42	2.30	2.14		0.20	0.20	0.17	0.29	0.35			
	0.70	B25	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	2.60	B25	S34	D	Public Park	75	57	91	1.58	1.52	1.43	1.28	1.01	0.72		0.85	0.20	0.66	1.11	1.33			
	0.90	B26	S34	C	Residential 10+ dwellings/acre	69	50	86	0.77	0.76	0.75	0.73	0.70	0.65		0.20	0.25	0.05	0.09	0.11			
	0.30	B26	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02			
	6.40	B26	S34	D	Residential 10+ dwellings/acre	75	57	91	5.61	5.56	5.48	5.34	5.07	4.72		0.20	0.20	0.38	0.64	0.77			
	3.70	B26	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.34	3.28	3.16	2.99		0.10	0.20	0.11	0.19	0.22			
	0.70	B26	S34	D	Condominiums	75	57	91	0.57	0.56	0.55	0.53	0.49	0.44		0.35	0.20	0.07	0.12	0.15			
	2.20	B27	S34	C	Residential 10+ dwellings/acre	69	50	86	1.89	1.87	1.84	1.79	1.70	1.59		0.20	0.25	0.13	0.22	0.26			
	0.10	B27	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	0.30	B27	S34	C	Condominiums	69	50	86	0.23	0.23	0.23	0.22	0.20	0.18		0.35	0.25	0.03	0.05	0.06			
	6.80	B27	S34	D	Residential 10+ dwellings/acre	75	57	91	5.96	5.91	5.83	5.68	5.39	5.01		0.20	0.20	0.41	0.68	0.82			
	0.10	B27	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	2.00	B27	S34	D	Condominiums	75	57	91	1.63	1.61	1.57	1.51	1.40	1.26		0.35	0.20	0.21	0.35	0.42			
	6.40	B28	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.51	4.41	4.26	4.01	3.57	3.11		0.50	0.25	0.96	1.60	1.92			
	0.90	B28	S34	C	Condominiums	69	50	86	0.70	0.69	0.68	0.65	0.60	0.54		0.35	0.25	0.09	0.16	0.19			
	5.20	B28	S34	D	Residential 5-7 dwellings/acre	75	57	91	3.91	3.83	3.72	3.52	3.15	2.73		0.50	0.20	0.78	1.30	1.56			
	0.80	B28	S34	D	Condominiums	75	57	91	0.65	0.64	0.63	0.60	0.56	0.50		0.35	0.20	0.08	0.14	0.17			
	2.90	B29	S34	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.46	2.43	2.36	2.24	2.09		0.20	0.25	0.17	0.29	0.35			
	2.90	B29	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.04	2.00	1.93	1.82	1.62	1.41		0.50	0.25	0.44	0.73	0.87			
	6.30	B29	S34	D	Residential 10+ dwellings/acre	75	57	91	5.53	5.47	5.40	5.26	4.99	4.65		0.20	0.20	0.38	0.63	0.76			
	6.00	B29	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.52	4.42	4.29	4.06	3.63	3.15		0.50	0.20	0.90	1.50	1.80			
	1.40	B2A	S34	D	Commercial, Industrial	75	57	91	1.29	1.28	1.27	1.24	1.20	1.13		0.10	0.20	0.04	0.07	0.08			
	0.50	B3	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.38	0.37	0.36	0.34	0.30	0.26		0.50	0.20	0.08	0.13	0.15			
	2.40	B3	S34	D	Commercial, Industrial	75	57	91	2.20	2.19	2.17	2.13	2.05	1.94		0.10	0.20	0.07	0.12	0.14			
	1.30	B3	S34	D	Open Brush, Fair	83	67	96	0.88	0.86	0.81	0.37	0.23	0.09		1.00	0.20	0.39	0.65	0.78			
	2.90	B30	S34	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.46	2.43	2.36	2.24	2.09		0.20	0.25	0.17	0.29	0.35			
	1.60	B30	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.13	1.10	1.07	1.00	0.89	0.78		0.50	0.25	0.24	0.40	0.48			
	0.60	B31	S34	D	Apartments	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	0.20	B32	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	5.90	B32	S34	D	Commercial, Industrial	75	57	91	5.42	5.38	5.33	5.24	5.04	4.77		0.10	0.20	0.18	0.30	0.35			
	14.90	B33	S34	D	Commercial, Industrial	75	57	91	13.69	13.60	13.47	13.23	12.73	12.04		0.10	0.20	0.45	0.75	0.89			
	0.10	B34	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02			
	0.20	B34	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	1.80	B34	S34	D	Commercial, Industrial	75	57	91	1.65	1.64	1.63	1.60	1.54	1.46		0.10	0.20	0.05	0.09	0.11			
	0.40	B35	S34	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02			
	0.10	B35	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02			
	1.30	B35	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	9.40	B36	S34	D	Residential 8-10 dwellings/acre	75	57	91	7.46	7.34	7.17	6.86	6.27	5.60		0.40	0.20	1.13	1.88	2.26			
	0.70	B37	S34	D	Residential 10+ dwellings/acre	75	57	91	0.61	0.61	0.60	0.58	0.55	0.52		0.20	0.20	0.04	0.07	0.08			
	2.50	B37	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.99	1.95	1.91	1.82	1.67	1.49		0.40	0.20	0.30	0.50	0.60			
	1.70	B38	S34	D	Residential 10+ dwellings/acre	75	57	91	1.49	1.48	1.46	1.42	1.35	1.25		0.20	0.20	0.10	0.17	0.20			
	1.60	B38	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.27	1.25	1.22	1.17	1.07	0.95		0.40	0.20	0.19	0.32	0.38			
	1.40	B39	S34	D	Residential 10+ dwellings/acre	75	57	91	1.23	1.22	1.20	1.17	1.11	1.03		0.20	0.20	0.08	0.14	0.17			
	7.10	B39	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.64	5.55	5.41	5.18	4.74	4.23		0.40	0.20	0.85	1.42	1.70			
	2.70	B39	S34	D	Apartments	75	57	91	2.37	2.35	2.31	2.25	2.14	1.99		0.20	0.20	0.16	0.27	0.32			
	1.10	B39	S34	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	0.10	B4	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.10	B4	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.20	B4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	0.20	B4	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.60	B4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.45	0.44	0.43	0.41	0.36	0.31		0.50	0.20	0.09	0.15	0.18			
	1.90	B4	S34	D	Commercial, Industrial	75	57	91	1.75	1.73	1.72	1.69	1.62	1.54		0.10	0.20	0.06	0.10	0.11			
	1.30	B4	S34	D	Open Brush, Fair	83	67	96	0.88	0.86	0.81	0.37	0.23	0.09		1.00	0.20	0.39	0.65	0.78			
	2.90	B40	S34	D	Residential 10+ dwellings/acre	75	57	91	2.54	2.52	2.48	2.42	2.30	2.14		0.20	0.20	0.17	0.29	0.35			
	5.40	B40	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.06	3.98	3.86	3.65	3.27	2.83		0.50	0.20	0.81	1.35	1.62			
	1.00	B40	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.79	0.78	0.76	0.73	0.67	0.60		0.40	0.20	0.12	0.20	0.24			
	0.60	B40	S34	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.5											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	
									EV			100						50	25	10	5	2	100	
									AMC			P ₂₄ (Inches)						5.63						
						II	I	III	AMC 1/AMCII															
																				Storm Event (Year)			HC	
														EV			HC							
														> 5			5	2	All					
	0.60	B41	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.48	0.47	0.46	0.44	0.40	0.36		0.40	0.20	0.07	0.12	0.14				
	8.40	B42	S34	D	Residential 10+ dwellings/acre	75	57	91	7.37	7.30	7.20	7.01	6.65	6.19		0.20	0.20	0.50	0.84	1.01				
	0.60	B42	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.45	0.44	0.43	0.41	0.36	0.31		0.50	0.20	0.09	0.15	0.18				
	2.10	B43	S34	D	Residential 10+ dwellings/acre	75	57	91	1.84	1.82	1.80	1.75	1.66	1.55		0.20	0.20	0.13	0.21	0.25				
	5.00	B44	S34	D	Residential 10+ dwellings/acre	75	57	91	4.39	4.34	4.28	4.17	3.96	3.69		0.20	0.20	0.30	0.50	0.60				
	5.30	B45	S34	D	Residential 10+ dwellings/acre	75	57	91	4.65	4.60	4.54	4.43	4.20	3.91		0.20	0.20	0.32	0.53	0.64				
	1.20	B46	S34	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.88		0.20	0.20	0.07	0.12	0.14				
	0.20	B46	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01				
	1.20	B46A	S34	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.88		0.20	0.20	0.07	0.12	0.14				
	0.70	B46A	S34	D	School	75	57	91	0.50	0.49	0.47	0.44	0.38	0.32		0.60	0.20	0.13	0.21	0.25				
	1.10	B47	S34	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.93	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13				
	1.20	B47	S34	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07				
	6.30	B47	S34	C	Public Park	69	50	86	3.32	3.16	2.94	2.56	1.93	1.32		0.85	0.25	1.61	2.68	3.21				
	4.60	B47	S34	C	School	69	50	86	3.01	2.92	2.80	2.59	2.24	1.87		0.60	0.25	0.83	1.38	1.66				
	1.60	B47	S34	D	Residential 10+ dwellings/acre	75	57	91	1.40	1.39	1.37	1.34	1.27	1.18		0.20	0.20	0.10	0.16	0.19				
	4.00	B47	S34	D	Commercial, Industrial	75	57	91	3.67	3.65	3.62	3.55	3.42	3.23		0.10	0.20	0.12	0.20	0.24				
	3.90	B47	S34	D	Public Park	75	57	91	2.37	2.28	2.15	1.92	1.51	1.08		0.85	0.20	0.99	1.66	1.99				
	10.80	B47	S34	D	School	75	57	91	7.68	7.49	7.22	6.74	5.86	4.90		0.60	0.20	1.94	3.24	3.89				
	1.40	B48	S34	C	Residential 10+ dwellings/acre	69	50	86	1.20	1.19	1.17	1.14	1.08	1.01		0.20	0.25	0.08	0.14	0.17				
	16.40	B48	S34	D	Residential 10+ dwellings/acre	75	57	91	14.38	14.25	14.05	13.69	12.99	12.09		0.20	0.20	0.98	1.64	1.97				
	1.30	B48	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08				
	1.00	B49	S34	C	Residential 10+ dwellings/acre	69	50	86	0.86	0.85	0.84	0.81	0.77	0.72		0.20	0.25	0.06	0.10	0.12				
	2.00	B49	S34	C	Public Park	69	50	86	1.05	1.00	0.93	0.81	0.61	0.42		0.85	0.25	0.51	0.85	1.02				
	2.80	B49	S34	D	Residential 10+ dwellings/acre	75	57	91	2.46	2.43	2.40	2.34	2.22	2.06		0.20	0.20	0.17	0.28	0.34				
	1.50	B49	S34	D	Commercial, Industrial	75	57	91	1.38	1.37	1.36	1.33	1.28	1.21		0.10	0.20	0.05	0.08	0.09				
	0.10	B49	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02				
	1.10	B49	S34	D	Public Park	75	57	91	0.67	0.64	0.61	0.54	0.43	0.30		0.85	0.20	0.28	0.47	0.56				
	0.10	B5	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03				
	0.50	B5	S34	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40		0.10	0.30	0.02	0.03	0.03				
	0.40	B5	S34	B	Open Brush, Fair	66	46	84	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24				
	0.70	B5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.49	0.48	0.47	0.44	0.39	0.34		0.50	0.25	0.11	0.18	0.21				
	1.50	B5	S34	C	Commercial, Industrial	69	50	86	1.36	1.35	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09				
	0.80	B5	S34	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48				
	0.10	B50	S34	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01				
	1.70	B50	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.20	1.17	1.13	1.07	0.95	0.82		0.50	0.25	0.26	0.43	0.51				
	0.30	B50	S34	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15				
	0.80	B50	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.60	0.59	0.57	0.54	0.48	0.42		0.50	0.20	0.12	0.20	0.24				
	0.10	B50	S34	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05				
	0.30	B51	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09				
	0.20	B51	S34	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10				
	0.20	B51	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.10		0.50	0.20	0.03	0.05	0.06				
	0.10	B51	S34	D	Public Park	75	57	91	0.06	0.06	0.06	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05				
	0.90	B52	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.55	0.54	0.52	0.49	0.44	0.40		0.50	0.30	0.14	0.23	0.27				
	0.30	B52	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.20	0.20	0.20	0.19	0.17	0.16		0.40	0.30	0.04	0.06	0.07				
	2.50	B52	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.76	1.72	1.66	1.57	1.39	1.21		0.50	0.25	0.38	0.63	0.75				
	0.70	B52	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.53	0.52	0.51	0.48	0.44	0.39		0.40	0.25	0.08	0.14	0.17				
	9.10	B52	S34	C	Condominiums	69	50	86	7.11	7.00	6.84	6.56	6.06	5.49		0.35	0.25	0.96	1.59	1.91				
	2.80	B52	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.11	2.06	2.00	1.89	1.69	1.47		0.50	0.20	0.42	0.70	0.84				
	1.60	B52	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.27	1.25	1.22	1.17	1.07	0.95		0.40	0.20	0.19	0.32	0.38				
	7.40	B52	S34	D	Condominiums	75	57	91	6.03	5.94	5.82	5.59	5.17	4.67		0.35	0.20	0.78	1.30	1.55				
	0.30	B52	S34	D	Public Park	75	57	91	0.18	0.18	0.17	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15				
	0.10	B53	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.07	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02				
	0.30	B53	S34	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02				
	0.10	B53	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.10	B53	S34	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05				
	0.10	B53	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03				
	1.30	B53	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.98	0.96	0.94	0.90	0.82	0.73		0.40	0.25	0.16	0.26	0.31				
	0.90	B53	S34	C	Commercial, Industrial	69	50	86	0.82	0.81	0.80	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05				
	0.40	B53	S34	C	Open Brush, Fair	77	59	92	0.2															

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII					5.63									
	0.10	B54	S34	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.10	B55	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03			
	0.70	B55	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.48	0.47	0.46	0.43	0.40	0.37		0.40	0.30	0.08	0.14	0.17			
	2.20	B55	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.55	1.52	1.46	1.38	1.23	1.07		0.50	0.25	0.33	0.55	0.66			
	1.80	B55	S34	C	Residential 8-10 dwellings/acre	69	50	86	1.36	1.34	1.30	1.24	1.13	1.02		0.40	0.25	0.22	0.36	0.43			
	0.20	B55	S34	C	Condominiums	69	50	86	0.16	0.15	0.15	0.14	0.13	0.12		0.35	0.25	0.02	0.04	0.04			
	3.20	B55	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.41	2.36	2.29	2.16	1.94	1.68		0.50	0.20	0.48	0.80	0.96			
	5.70	B55	S34	D	Residential 8-10 dwellings/acre	75	57	91	4.53	4.45	4.35	4.16	3.80	3.39		0.40	0.20	0.68	1.14	1.37			
	6.40	B56	S34	B	Open Brush, Fair	66	46	84	2.59	2.40	2.14	0.32	0.04	0.00		1.00	0.30	1.92	3.20	3.84			
	1.40	B56	S34	C	Open Brush, Fair	77	59	92	0.81	0.77	0.72	0.25	0.12	0.02		1.00	0.25	0.42	0.70	0.84			
	0.60	B56	S34	D	Open Brush, Fair	83	67	96	0.41	0.39	0.38	0.17	0.10	0.04		1.00	0.20	0.18	0.30	0.36			
	1.20	B6	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.73	0.72	0.69	0.65	0.58	0.53		0.50	0.30	0.18	0.30	0.36			
	0.10	B6	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.20	B6	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	0.10	B6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	2.30	B7	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.73	1.70	1.65	1.56	1.39	1.21		0.50	0.20	0.35	0.58	0.69			
	0.40	B7	S34	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.29		0.20	0.20	0.02	0.04	0.05			
	0.30	B8	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.18	0.18	0.17	0.16	0.15	0.13		0.50	0.30	0.05	0.08	0.09			
	0.10	B8	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	0.60	B8	S34	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07			
	6.20	B8	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.67	4.57	4.43	4.19	3.75	3.25		0.50	0.20	0.93	1.55	1.86			
	0.90	B9	S34	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.71	0.66		0.20	0.20	0.05	0.09	0.11			
	0.30	B9	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	0.10	B9	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	0.20	C1	S34	C	Condominiums	69	50	86	0.16	0.15	0.15	0.14	0.13	0.12		0.35	0.25	0.02	0.04	0.04			
	0.10	C1	S34	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.10	C1	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	1.20	C2	S34	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07			
	0.60	C2	S34	C	Condominiums	69	50	86	0.47	0.46	0.45	0.43	0.40	0.36		0.35	0.25	0.06	0.11	0.13			
	0.10	C2	S34	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	0.10	C2	S34	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.30	C2	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.40	C2	S34	D	Condominiums	75	57	91	0.33	0.32	0.31	0.30	0.28	0.25		0.35	0.20	0.04	0.07	0.08			
	1.10	C3	S34	C	Commercial, Industrial	69	50	86	1.00	0.99	0.98	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07			
	1.30	C3	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.18	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	0.60	C4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.42	0.41	0.40	0.38	0.33	0.29		0.50	0.25	0.09	0.15	0.18			
	1.70	C4	S34	C	Commercial, Industrial	69	50	86	1.55	1.54	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10			
	1.00	C4	S34	C	Condominiums	69	50	86	0.78	0.77	0.75	0.72	0.67	0.60		0.35	0.25	0.11	0.18	0.21			
	0.10	C4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	0.70	C4	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.40	C4	S34	D	Condominiums	75	57	91	0.33	0.32	0.31	0.30	0.28	0.25		0.35	0.20	0.04	0.07	0.08			
	1.30	C5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.92	0.90	0.87	0.81	0.73	0.63		0.50	0.25	0.20	0.33	0.39			
	0.40	C5	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.30	0.30	0.29	0.28	0.25	0.23		0.40	0.25	0.05	0.08	0.10			
	0.20	C5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	1.50	C5	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.13	1.11	1.07	1.01	0.91	0.79		0.50	0.20	0.23	0.38	0.45			
	1.90	C5	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.51	1.48	1.45	1.39	1.27	1.13		0.40	0.20	0.23	0.38	0.46			
	2.00	C5	S34	D	Commercial, Industrial	75	57	91	1.84	1.83	1.81	1.78	1.71	1.62		0.10	0.20	0.06	0.10	0.12			
	4.40	C6	S34	C	Apartments	69	50	86	3.78	3.74	3.68	3.59	3.40	3.18		0.20	0.25	0.26	0.44	0.53			
	0.10	C6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	6.70	C6	S34	D	Apartments	75	57	91	5.88	5.82	5.74	5.59	5.31	4.94		0.20	0.20	0.40	0.67	0.80			
	3.10	C7	S34	D	Open Brush, Fair	83	67	96	2.11	2.04	1.94	0.88	0.54	0.23		1.00	0.20	0.93	1.55	1.86			
	0.20	CCR-A1	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A1	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A2	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.50	CCR-A2	S34	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
	0.40	CCR-A3	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A4	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.30	CCR-A4	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.20	CCR-A5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A5	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.30	CCR-A6	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02			
	0.30	CCR-A6	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.40	CCR-A7	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.70	CCR-A8	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.10	CCR-A9	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.60	CCR-A9	S34	C	Commercial, Industrial	6																	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	50	25	10	5	2	100								
								AMC		P ₂₄ (Inches)												
						II	I	III					AMC 1/AMCII									
	0.60	CCR-C2	S34	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04		
	0.20	CCR-C3	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01		
	0.20	CCR-C3	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01		
	0.20	CCR-C4	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01		
	0.50	CCR-C4	S34	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.40		0.10	0.20	0.02	0.03	0.03		
	0.10	CCR-C5	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01		
	0.40	CCR-C5	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02		
	0.40	CCR-C6	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02		
	0.20	CCR-C7	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.15	0.15	0.14	0.14	0.13	0.11		0.40	0.25	0.02	0.04	0.05		
	0.20	CCR-C8	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.15	0.15	0.14	0.14	0.13	0.11		0.40	0.25	0.02	0.04	0.05		
	0.30	CCR-C8	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.23	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07		
	0.30	CCR-C9	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07		
	0.80	CCR-C9	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.64	0.62	0.61	0.58	0.53	0.48		0.40	0.20	0.10	0.16	0.19		
	0.60	HZ-101	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.11	0.10	0.08	0.00	0.00	0.00		1.00	0.40	0.18	0.30	0.36		
	3.80	HZ-101	S34	A	Open Brush, Fair	46	28	66	0.54	0.45	0.34	0.00	0.00	0.00		1.00	0.40	1.14	1.90	2.28		
	0.10	HZ-101	S34	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06		
	1.10	HZ-101	S34	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07		
	13.40	HZ-101	S34	B	Fallow	86	72	97	9.83	9.57	9.19	4.75	3.18	1.63		1.00	0.30	4.02	6.70	8.04		
	14.80	HZ-101	S34	B	Grass, Annual or Perennial, Fair	69	50	86	6.66	6.23	5.63	1.17	0.28	0.00		1.00	0.30	4.44	7.40	8.88		
	1.00	HZ-101	S34	B	Open Brush, Fair	66	46	84	0.40	0.38	0.33	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60		
	1.20	HZ-101	S34	B	Public Park	56	36	76	0.44	0.41	0.37	0.31	0.22	0.16		0.85	0.30	0.31	0.51	0.61		
	0.00	HZ-101	S34	B	Residential 3-4 dwellings/acre	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00		0.60	0.30	0.00	0.00	0.00		
	0.00	HZ-101	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.30	0.00	0.00	0.00		
	0.00	HZ-101	S34	B	Row Crops, Good	78	61	93	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00		
	1.10	HZ-101	S34	B	Woodland, Grass, Fair	65	45	83	0.43	0.40	0.35	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.66		
	0.90	HZ-101	S34	C	Chaparral, Broadleaf, Fair	75	57	91	0.49	0.47	0.43	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54		
	0.60	HZ-101	S34	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04		
	8.70	HZ-101	S34	C	Fallow	91	80	98	7.18	7.06	6.88	4.37	3.36	2.21		1.00	0.25	2.61	4.35	5.22		
	44.90	HZ-101	S34	C	Grass, Annual or Perennial, Fair	79	62	93	27.45	26.33	24.72	9.41	4.94	1.38		1.00	0.25	13.47	22.45	26.94		
	83.50	HZ-101	S34	C	Open Brush, Fair	77	59	92	48.25	46.07	42.95	14.98	7.20	1.49		1.00	0.25	25.05	41.75	50.10		
	0.40	HZ-101	S34	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24		
	0.80	HZ-101	S34	D	Chaparral, Broadleaf, Fair	81	64	95	0.52	0.50	0.47	0.20	0.11	0.04		1.00	0.20	0.24	0.40	0.48		
	3.70	HZ-101	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.34	3.28	3.16	2.99		0.10	0.20	0.11	0.19	0.22		
	22.10	HZ-101	S34	D	Fallow	94	85	99	19.49	19.28	18.95	13.60	11.26	8.37		1.00	0.20	6.63	11.05	13.26		
	321.20	HZ-101	S34	D	Grass, Annual or Perennial, Fair	84	69	96	224.14	217.30	207.35	98.37	62.01	27.90		1.00	0.20	96.36	160.60	192.72		
	44.30	HZ-101	S34	D	Open Brush, Fair	83	67	96	30.13	29.15	27.73	12.63	7.71	3.23		1.00	0.20	13.29	22.15	26.58		
	2.20	HZ-101	S34	D	Public Park	75	57	91	1.34	1.28	1.21	1.08	0.85	0.61		0.85	0.20	0.56	0.94	1.12		
	10.80	HZ-101	S34	D	Residential 3-4 dwellings/acre	75	57	91	7.68	7.49	7.22	6.74	5.86	4.90		0.60	0.20	1.94	3.24	3.89		
	0.00	HZ-101	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00		
	9.80	HZ-101	S34	D	Woodland, Grass, Fair	82	66	95	6.50	6.27	5.95	2.59	1.53	0.59		1.00	0.20	2.94	4.90	5.88		
	0.20	HZ-209	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12		
	4.00	HZ-209	S34	C	Grass, Annual or Perennial, Fair	79	62	93	2.45	2.35	2.20	0.84	0.44	0.12		1.00	0.25	1.20	2.00	2.40		
	2.00	HZ-209	S34	D	Grass, Annual or Perennial, Fair	84	69	96	1.40	1.35	1.29	0.61	0.39	0.17		1.00	0.20	0.60	1.00	1.20		
	9.70	HZ-209	S34	A	Open Brush, Fair	46	28	66	1.38	1.16	0.87	0.00	0.00	0.00		1.00	0.40	2.91	4.85	5.82		
	2.60	HZ-209	S34	C	Open Brush, Fair	77	59	92	1.50	1.43	1.34	0.47	0.22	0.05		1.00	0.25	0.78	1.30	1.56		
	0.00	HZ-209	S34	D	Open Brush, Fair	83	67	96	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00		
	1.60	HZ-209	S34	C	Row Crops, Poor	88	75	98	1.23	1.20	1.16	0.65	0.46	0.27		1.00	0.25	0.48	0.80	0.96		
	2.00	HZ-209	S34	D	Row Crops, Poor	91	80	98	1.65	1.62	1.58	1.00	0.77	0.51		1.00	0.20	0.60	1.00	1.20		
	12.50	HZ-209	S34	A	Woodland, Grass, Fair	44	26	64	1.51	1.24	0.91	0.00	0.00	0.00		1.00	0.40	3.75	6.25	7.50		
	5.80	HZ-209	S34	C	Woodland, Grass, Fair	77	59	92	3.35	3.20	2.98	1.04	0.50	0.10		1.00	0.25	1.74	2.90	3.48		
	0.10	HZ-209	S34	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
	9.20	HZ-505	S34	A	Open Brush, Fair	46	28	66	1.31	1.10	0.83	0.00	0.00	0.00		1.00	0.40	2.76	4.60	5.52		
	6.40	HZ-505	S34	A	Public Park	32	17	52	1.04	0.98	0.93	0.90	0.88	0.84		0.85	0.40	1.63	2.72	3.26		
	3.30	HZ-505	S34	A	Row Crops, Poor	72	53	89	1.64	1.55	1.42	0.37	0.13	0.00		1.00	0.40	0.99	1.65	1.98		
	4.90	HZ-505	S34	A	Woodland, Grass, Fair	44	26	64	0.59	0.49	0.35	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94		
	7.90	HZ-505	S34	B	Open Brush, Fair	66	46	84	3.20	2.96	2.64	0.40	0.05	0.00		1.00	0.30	2.37	3.95	4.74		
	2.00	HZ-505	S34	B	Public Park	56	36	76	0.74	0.69	0.62	0.52	0.37	0.27		0.85	0.30	0.51	0.85	1.02		
	16.20	HZ-505	S34	B	Row Crops, Poor	81	64	95	10.46	10.07	9.52	3.96	2.25	0.79		1.00	0.30	4.86	8.10	9.72		
	1.20	HZ-505	S34	B	Woodland, Grass, Fair	65	45	83	0.47	0.43	0.38	0.05	0.00	0.00		1.00	0.30	0.36	0.60	0.72		
	23.90	HZ-505	S34	C	Chaparral, Broadleaf, Fair	75	57	91	13.02	12.38	11.46	3.61	1.56	0.20		1.00	0.25	7.17	11.95	14.34		
	4.10	HZ-505	S34	C	Grass, Annual or Perennial, Fair	79	62	93	2.51	2.40	2.26	0.86	0.45	0.13		1.00	0.25	1.23	2.05	2.46		
	9.80	HZ-505	S34	C	Open Brush, Fair	77	59	92	5.66	5.41	5.04	1.76	0.85									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														
	0.60	HZ-507	S34	A	Chaparral, Broadleaf, Fair	40	23	60	0.05	0.04	0.02	0.00	0.00	0.00	1.00	0.40	0.18	0.30	0.36				
	17.60	HZ-507	S34	A	Open Brush, Fair	46	28	66	2.51	2.10	1.59	0.00	0.00	0.00	1.00	0.40	5.28	8.80	10.56				
	12.00	HZ-507	S34	A	Woodland, Grass, Fair	44	26	64	1.45	1.19	0.87	0.00	0.00	0.00	1.00	0.40	3.60	6.00	7.20				
	9.90	HZ-507	S34	B	Chaparral, Broadleaf, Fair	63	43	81	3.57	3.28	2.88	0.29	0.00	0.00	1.00	0.30	2.97	4.95	5.94				
	1.00	HZ-507	S34	B	Open Brush, Fair	66	46	84	0.40	0.38	0.33	0.05	0.01	0.00	1.00	0.30	0.30	0.50	0.60				
	9.60	HZ-507	S34	B	Woodland, Grass, Fair	65	45	83	3.74	3.46	3.07	0.40	0.03	0.00	1.00	0.30	2.88	4.80	5.76				
	172.40	HZ-507	S34	C	Chaparral, Broadleaf, Fair	75	57	91	93.95	89.27	82.64	26.05	11.24	1.45	1.00	0.25	51.72	86.20	103.44				
	6.10	HZ-507	S34	C	Open Brush, Fair	77	59	92	3.53	3.37	3.14	1.09	0.53	0.11	1.00	0.25	1.83	3.05	3.66				
	1.00	HZ-507	S34	C	Woodland, Grass, Fair	77	59	92	0.58	0.55	0.51	0.18	0.09	0.02	1.00	0.25	0.30	0.50	0.60				
	1.20	HZ-507	S34	D	Chaparral, Broadleaf, Fair	81	64	95	0.77	0.75	0.71	0.29	0.17	0.06	1.00	0.20	0.36	0.60	0.72				
	0.10	HZ-508	S34	A	Chaparral, Broadleaf, Fair	40	23	60	0.01	0.01	0.00	0.00	0.00	0.00	1.00	0.40	0.03	0.05	0.06				
	0.00	HZ-508	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.40	0.00	0.00	0.00				
	0.20	HZ-508	S34	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00	1.00	0.40	0.06	0.10	0.12				
	8.00	HZ-508	S34	A	Woodland, Grass, Fair	44	26	64	0.97	0.80	0.58	0.00	0.00	0.00	1.00	0.40	2.40	4.00	4.80				
	1.80	HZ-508	S34	B	Chaparral, Broadleaf, Fair	63	43	81	0.65	0.60	0.52	0.05	0.00	0.00	1.00	0.30	0.54	0.90	1.08				
	2.40	HZ-508	S34	B	Woodland, Grass, Fair	65	45	83	0.94	0.86	0.77	0.10	0.01	0.00	1.00	0.30	0.72	1.20	1.44				
	96.90	HZ-508	S34	C	Chaparral, Broadleaf, Fair	75	57	91	52.81	50.18	46.45	14.64	6.32	0.81	1.00	0.25	29.07	48.45	58.14				
	4.50	HZ-508	S34	C	Open Brush, Fair	77	59	92	2.60	2.48	2.31	0.81	0.39	0.08	1.00	0.25	1.35	2.25	2.70				
	0.60	HZ-508	S34	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01	1.00	0.25	0.18	0.30	0.36				
	16.80	HZ-508	S34	D	Chaparral, Broadleaf, Fair	81	64	95	10.84	10.45	9.87	4.11	2.34	0.82	1.00	0.20	5.04	8.40	10.08				
	7.00	S36-86.5	S34	A	Open Brush, Fair	46	28	66	1.00	0.84	0.63	0.00	0.00	0.00	1.00	0.40	2.10	3.50	4.20				
	3.30	S36-86.5	S34	A	Woodland, Grass, Fair	44	26	64	0.40	0.33	0.24	0.00	0.00	0.00	1.00	0.40	0.99	1.65	1.98				
	0.40	S36-86.5	S34	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32	0.10	0.25	0.01	0.02	0.02				
	1.40	S36-86.5	S34	C	Open Brush, Fair	77	59	92	0.81	0.77	0.72	0.25	0.12	0.02	1.00	0.25	0.42	0.70	0.84				
	0.00	S36-86.5	S34	C	Woodland, Grass, Fair	77	59	92	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.25	0.00	0.00	0.00				
	0.30	S36-86.5	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24	0.10	0.20	0.01	0.02	0.02				
	0.00	S36-86.5	S34	D	Open Brush, Fair	83	67	96	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.20	0.00	0.00	0.00				
	0.40	S36-86.6	S34	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00	1.00	0.40	0.12	0.20	0.24				
	2.90	S36-86.6	S34	A	Woodland, Grass, Fair	44	26	64	0.35	0.29	0.21	0.00	0.00	0.00	1.00	0.40	0.87	1.45	1.74				
	9.8		S35	B	Chaparral, Broadleaf, Fair	63	43	81	3.53	3.24	2.85	0.29	0.00	0.00	1.00	0.30	2.94	4.90	5.88				
	33.69		S35	C	Chaparral, Broadleaf, Fair	75	57	91	18.36	17.45	16.15	5.09	2.20	0.28	1.00	0.25	10.11	16.85	20.21				
	24.62		S35	B	Commercial, Industrial, Industrial	56	36	76	21.92	21.77	21.56	21.19	20.45	19.50	0.10	0.30	0.74	1.23	1.48				
	0.8		S35	C	Commercial, Industrial, Industrial	69	50	86	0.73	0.72	0.72	0.70	0.68	0.64	0.10	0.25	0.02	0.04	0.05				
	16.79		S35	D	Commercial, Industrial, Industrial	75	57	91	15.42	15.32	15.18	14.91	14.35	13.57	0.10	0.20	0.50	0.84	1.01				
	77.1		S35	B	Fallow	86	72	97	56.55	55.05	52.85	27.31	18.30	9.37	1.00	0.30	23.13	38.55	46.26				
	63.31		S35	C	Fallow	91	80	98	52.24	51.36	50.06	31.81	24.43	16.06	1.00	0.25	18.99	31.66	37.99				
	17.06		S35	D	Fallow	94	85	99	15.05	14.88	14.63	10.50	8.69	6.46	1.00	0.20	5.12	8.53	10.24				
	59.76		S35	B	Grass, Annual or Perennial, Fair	69	50	86	26.89	25.15	22.74	4.71	1.13	0.00	1.00	0.30	17.93	29.88	35.86				
	1.6		S35	C	Grass, Annual or Perennial, Fair	79	62	93	0.98	0.94	0.88	0.34	0.18	0.05	1.00	0.25	0.48	0.80	0.96				
	114.17		S35	D	Grass, Annual or Perennial, Fair	84	69	96	79.67	77.24	73.70	34.97	22.04	9.92	1.00	0.20	34.25	57.09	68.50				
	1.1		S35	C	Meadows or Cienegas, Fair	80	63	94	0.69	0.66	0.63	0.25	0.14	0.04	1.00	0.25	0.33	0.55	0.66				
	126		S35	B	Open Brush, Fair	66	46	84	50.96	47.26	42.16	6.32	0.73	0.00	1.00	0.30	37.80	63.00	75.60				
	424.56		S35	C	Open Brush, Fair	77	59	92	245.34	234.23	218.39	76.14	36.62	7.57	1.00	0.25	127.37	212.28	254.74				
	54.86		S35	D	Open Brush, Fair	83	67	96	37.32	36.10	34.34	15.64	9.55	4.00	1.00	0.20	16.46	27.43	32.92				
	16.14		S35	B	Residential 5-7 dwellings/acre	56	36	76	9.88	9.62	9.28	8.72	7.86	7.14	0.50	0.30	2.42	4.04	4.84				
	30.91		S35	D	Residential 5-7 dwellings/acre	75	57	91	23.26	22.79	22.11	20.91	18.71	16.21	0.50	0.20	4.64	7.73	9.27				
	362.85		S35	B	Row Crops, Poor	81	64	95	234.23	225.63	213.24	88.77	50.45	17.67	1.00	0.30	108.86	181.43	217.71				
	119.83		S35	C	Row Crops, Poor	88	75	98	92.23	90.15	87.08	49.00	34.78	19.90	1.00	0.25	35.95	59.92	71.90				
	8.4		S35	D	Row Crops, Poor	91	80	98	6.93	6.81	6.64	4.22	3.24	2.13	1.00	0.20	2.52	4.20	5.04				
	0.05		S35	B	School	56	36	76	0.03	0.03	0.02	0.02	0.02	0.02	0.60	0.30	0.01	0.02	0.02				
	1.64		S35	D	School	75	57	91	1.17	1.14	1.10	1.02	0.89	0.74	0.60	0.20	0.30	0.49	0.59				
	4.84		S35	B	Woodland, Grass, Fair	65	45	83	1.89	1.74	1.55	0.20	0.01	0.00	1.00	0.30	1.45	2.42	2.90				
	9.84		S35	C	Woodland, Grass, Fair	77	59	92	5.69	5.43	5.06	1.76	0.85	0.18	1.00	0.25	2.95	4.92	5.90				
	3.46	HZ-201	S36	C	Chaparral, Broadleaf, Fair	75	57	91	1.89	1.79	1.66	0.52	0.23	0.03	1.00	0.25	1.04	1.73	2.08				
	47.86	HZ-201	S36	B	Fallow	86	72	97	35.11	34.17	32.81	16.95	11.36	5.82	1.00	0.30	14.36	23.93	28.72				
	20.03	HZ-201	S36	C	Fallow	91	80	98	16.52	16.25	15.83	10.06	7.73	5.08	1.00	0.25	6.01	10.01	12.02				
	12.53	HZ-201	S36	D	Fallow	94	85	99	11.05	10.93	10.74	7.71	6.38	4.74	1.00	0.20	3.76	6.26	7.52				
	3.57	HZ-201	S36	C	Grass, Annual or Perennial, Fair	79	62	93	2.18	2.09	1.97	0.75	0.39	0.11	1.00	0.25	1.07	1.79	2.14				
	0.01	HZ-201	S36	D	Meadows or Cienegas, Fair	84	69	96	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.20	0.00	0.00	0.00				
	3.11	HZ-201	S36	B	Open Brush, Fair	66	46	84	1.26	1.17	1.04	0.16	0.02	0.00	1.00	0.30	0.93	1.56	1.87				
	42.80	HZ-201	S36	C	Open Brush, Fair	77	59	92	24.74	23.61	22.02	7.68	3.69	0.76	1.00	0.25	12.84	21.40	25.68				
	0.10	HZ-201	S36	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00	1.00	0.30	0.03	0.05	0.06				
	0.53	HZ-201	S36	C	Woodland, Grass, Fair	77	59	92	0.31	0.29	0.27	0.10	0.05	0.01	1.00	0.25	0.16	0.27	0.32				
	0.02	HZ-201	S36	D	Woodland, Grass, Fair	82	66	95	0.02	0.02	0.01	0.01	0.00	0.00	1.00	0.20	0.01	0.01	0.01				
	1.11	HZ-202	S36	B	Fallow	86	72	97	0.81	0.79	0.76	0.39	0.26	0.13	1.00	0.30	0.33	0.55	0.66				
	0.44	HZ-202	S36	D	Fallow	94	859																

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100								
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII					5.63									
	12.39	HZ-202	S36	B	Orchards, Evergreen, Fair	65	45	83	4.83	4.46	3.96	0.52	0.04	0.00		1.00	0.30	3.72	6.20	7.44			
	2.30	HZ-202	S36	D	Orchards, Evergreen, Fair	82	66	95	1.52	1.47	1.39	0.61	0.36	0.14		1.00	0.20	0.69	1.15	1.38			
	5.19	HZ-202	S36	B	Row Crops, Poor	81	64	95	3.35	3.22	3.05	1.27	0.72	0.25		1.00	0.30	1.56	2.59	3.11			
	28.71	HZ-202	S36	D	Row Crops, Poor	91	80	98	23.69	23.29	22.70	14.43	11.08	7.28		1.00	0.20	8.61	14.35	17.23			
	0.17	HZ-202	S36	D	Woodland, Grass, Fair	82	66	95	0.11	0.11	0.10	0.04	0.03	0.01		1.00	0.20	0.05	0.08	0.10			
	5.29	HZ-203	S36	B	Grass, Annual or Perennial, Fair	69	50	86	2.38	2.22	2.01	0.42	0.10	0.00		1.00	0.30	1.59	2.64	3.17			
	31.25	HZ-203	S36	D	Grass, Annual or Perennial, Fair	84	69	96	21.81	21.14	20.17	9.57	6.03	2.71		1.00	0.20	9.37	15.62	18.75			
	0.22	HZ-203	S36	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	6.26	HZ-203	S36	D	Open Brush, Fair	83	67	96	4.26	4.12	3.92	1.78	1.09	0.46		1.00	0.20	1.88	3.13	3.76			
	0.06	HZ-203	S36	B	Orchards, Evergreen, Fair	65	45	83	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04			
	0.22	HZ-203	S36	D	Orchards, Evergreen, Fair	82	66	95	0.15	0.14	0.13	0.06	0.03	0.01		1.00	0.20	0.07	0.11	0.13			
	2.47	HZ-203	S36	B	Public Park	56	36	76	0.91	0.85	0.77	0.64	0.46	0.34		0.85	0.30	0.63	1.05	1.26			
	3.06	HZ-203	S36	D	Public Park	75	57	91	1.86	1.79	1.69	1.51	1.19	0.84		0.85	0.20	0.78	1.30	1.56			
	17.76	HZ-203	S36	B	Residential 5-7 dwellings/acre	56	36	76	10.87	10.59	10.21	9.60	8.65	7.86		0.50	0.30	2.66	4.44	5.33			
	7.31	HZ-203	S36	D	Residential 5-7 dwellings/acre	75	57	91	5.50	5.39	5.23	4.95	4.43	3.83		0.50	0.20	1.10	1.83	2.19			
	0.34	HZ-203	S36	B	Row Crops, Poor	81	64	95	0.22	0.21	0.20	0.08	0.05	0.02		1.00	0.30	0.10	0.17	0.20			
	8.22	HZ-203	S36	D	Row Crops, Poor	91	80	98	6.78	6.67	6.50	4.13	3.17	2.08		1.00	0.20	2.46	4.11	4.93			
	0.53	HZ-203	S36	D	Woodland, Grass, Fair	82	66	95	0.35	0.34	0.32	0.14	0.08	0.03		1.00	0.20	0.16	0.27	0.32			
	2.57	HZ-204	S36	B	Fallow	86	72	97	1.88	1.83	1.76	0.91	0.61	0.31		1.00	0.30	0.77	1.28	1.54			
	1.97	HZ-204	S36	D	Fallow	94	85	99	1.74	1.72	1.69	1.21	1.00	0.74		1.00	0.20	0.59	0.98	1.18			
	1.00	HZ-204	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.45	0.42	0.38	0.08	0.02	0.00		1.00	0.30	0.30	0.50	0.60			
	2.98	HZ-204	S36	D	Grass, Annual or Perennial, Fair	84	69	96	2.08	2.02	1.92	0.91	0.58	0.26		1.00	0.20	0.89	1.49	1.79			
	2.39	HZ-204	S36	B	Open Brush, Fair	66	46	84	0.97	0.90	0.80	0.12	0.01	0.00		1.00	0.30	0.72	1.20	1.43			
	1.67	HZ-204	S36	C	Open Brush, Fair	77	59	92	0.97	0.92	0.86	0.30	0.14	0.03		1.00	0.25	0.50	0.84	1.00			
	0.44	HZ-204	S36	D	Open Brush, Fair	83	67	96	0.30	0.29	0.27	0.12	0.08	0.03		1.00	0.20	0.13	0.22	0.26			
	2.65	HZ-204	S36	B	Public Park	56	36	76	0.97	0.91	0.82	0.69	0.49	0.36		0.85	0.30	0.67	1.12	1.35			
	1.16	HZ-204	S36	D	Public Park	75	57	91	0.70	0.68	0.64	0.57	0.45	0.32		0.85	0.20	0.30	0.49	0.59			
	0.47	HZ-204	S36	B	Residential 5-7 dwellings/acre	56	36	76	0.29	0.28	0.27	0.26	0.23	0.21		0.50	0.30	0.07	0.12	0.14			
	0.25	HZ-204	S36	D	Residential 5-7 dwellings/acre	75	57	91	0.19	0.19	0.18	0.17	0.15	0.13		0.50	0.20	0.04	0.06	0.08			
	20.24	HZ-204	S36	B	Row Crops, Poor	81	64	95	13.06	12.58	11.89	4.95	2.81	0.99		1.00	0.30	6.07	10.12	12.14			
	7.08	HZ-204	S36	C	Row Crops, Poor	88	75	98	5.45	5.33	5.15	2.90	2.06	1.18		1.00	0.25	2.12	3.54	4.25			
	6.74	HZ-204	S36	D	Row Crops, Poor	91	80	98	5.57	5.47	5.33	3.39	2.60	1.71		1.00	0.20	2.02	3.37	4.05			
	0.02	HZ-204	S36	C	Woodland, Grass, Fair	77	59	92	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.25	0.01	0.01	0.01			
	0.93	HZ-204	S36	D	Woodland, Grass, Fair	82	66	95	0.62	0.60	0.56	0.25	0.15	0.06		1.00	0.20	0.28	0.46	0.56			
	2.55	HZ-205	S36	B	Fallow	86	72	97	1.87	1.82	1.75	0.90	0.61	0.31		1.00	0.30	0.76	1.27	1.53			
	0.01	HZ-205	S36	C	Fallow	91	80	98	0.01	0.01	0.01	0.01	0.00	0.00		1.00	0.25	0.00	0.01	0.01			
	1.35	HZ-205	S36	D	Fallow	94	85	99	1.19	1.18	1.16	0.83	0.69	0.51		1.00	0.20	0.41	0.68	0.81			
	0.44	HZ-205	S36	A	Grass, Annual or Perennial, Fair	50	31	70	0.08	0.07	0.06	0.00	0.00	0.00		1.00	0.40	0.13	0.22	0.27			
	0.67	HZ-205	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.47	0.45	0.43	0.20	0.13	0.06		1.00	0.20	0.20	0.33	0.40			
	1.06	HZ-205	S36	A	Open Brush, Fair	46	28	66	0.15	0.13	0.10	0.00	0.00	0.00		1.00	0.40	0.32	0.53	0.63			
	2.16	HZ-205	S36	B	Open Brush, Fair	66	46	84	0.87	0.81	0.72	0.11	0.01	0.00		1.00	0.30	0.65	1.08	1.30			
	2.45	HZ-205	S36	C	Open Brush, Fair	77	59	92	1.42	1.35	1.26	0.44	0.21	0.04		1.00	0.25	0.73	1.22	1.47			
	6.15	HZ-205	S36	D	Open Brush, Fair	83	67	96	4.18	4.05	3.85	1.75	1.07	0.45		1.00	0.20	1.84	3.07	3.69			
	1.34	HZ-205	S36	A	Row Crops, Poor	72	53	89	0.66	0.63	0.57	0.15	0.05	0.00		1.00	0.40	0.40	0.67	0.80			
	18.46	HZ-205	S36	B	Row Crops, Poor	81	64	95	11.91	11.48	10.85	4.52	2.57	0.90		1.00	0.30	5.54	9.23	11.07			
	4.13	HZ-205	S36	C	Row Crops, Poor	88	75	98	3.18	3.11	3.00	1.69	1.20	0.69		1.00	0.25	1.24	2.07	2.48			
	8.69	HZ-205	S36	D	Row Crops, Poor	91	80	98	7.17	7.05	6.87	4.37	3.35	2.20		1.00	0.20	2.61	4.34	5.21			
	0.73	HZ-205	S36	A	Woodland, Grass, Fair	44	26	64	0.09	0.07	0.05	0.00	0.00	0.00		1.00	0.40	0.22	0.36	0.44			
	0.41	HZ-205	S36	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.21	0.25			
	1.37	HZ-205	S36	C	Woodland, Grass, Fair	77	59	92	0.79	0.75	0.70	0.24	0.12	0.02		1.00	0.25	0.41	0.68	0.82			
	3.11	HZ-205	S36	D	Woodland, Grass, Fair	82	66	95	2.06	1.99	1.89	0.82	0.49	0.19		1.00	0.20	0.93	1.55	1.87			
	3.39	S36-00.5	S36	D	Open Brush, Fair	83	67	96	2.31	2.23	2.12	0.97	0.59	0.25		1.00	0.20	1.02	1.70	2.04			
	0.00	S36-01	S36	B	Open Brush, Fair	66	46	84	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00			
	7.45	S36-01	S36	D	Open Brush, Fair	83	67	96	5.07	4.90	4.66	2.12	1.30	0.54		1.00	0.20	2.23	3.72	4.47			
	0.32	S36-02	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.22	0.21	0.20	0.10	0.06	0.03		1.00	0.20	0.10	0.16	0.19			
	4.70	S36-02	S36	B	Open Brush, Fair	66	46	84	1.90	1.76	1.57	0.24	0.03	0.00		1.00	0.30	1.41	2.35	2.82			
	25.05	S36-02	S36	D	Open Brush, Fair	83	67	96	17.04	16.48	15.68	7.14	4.36	1.82		1.00	0.20	7.51	12.52	15.03			
	0.45	S36-02	S36	B	Woodland, Grass, Fair	65	45	83	0.17	0.16	0.14	0.02	0.00	0.00		1.00	0.30	0.13	0.22	0.27			
	0.44	S36-02	S36	D	Woodland, Grass, Fair	82	66	95	0.29	0.28	0.27	0.12	0.07	0.03		1.00	0.20	0.13	0.22	0.27			
	7.03	S36-03	S36	B	Fallow	86	72	97	5.16	5.02	4.82	2.49	1.67	0.85		1.00	0.30	2.11	3.51	4.22			
	2.51	S36-03	S36	D	Fallow	94	85	99	2.21	2.19	2.15	1.54	1.28	0.95		1.00	0.20	0.75	1.25	1.51			
	1.52	S36-03	S36	B	Open Brush, Fair	66	46	84	0.62	0.57	0.51	0.08	0.01	0.00		1.00	0.30	0.46	0.76	0.91			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														

	2.36	S36-04.5	S36	D	Fallow	94	85	99	2.08	2.05	2.02	1.45	1.20	0.89		1.00	0.20	0.71	1.18	1.41
	0.60	S36-04.5	S36	B	Meadows or Cienegas, Fair	70	51	87	0.28	0.26	0.24	0.05	0.01	0.00		1.00	0.30	0.18	0.30	0.36
	0.22	S36-04.5	S36	D	Meadows or Cienegas, Fair	84	69	96	0.15	0.15	0.14	0.07	0.04	0.02		1.00	0.20	0.07	0.11	0.13
	2.22	S36-04.5	S36	B	Open Brush, Fair	66	46	84	0.90	0.83	0.74	0.11	0.01	0.00		1.00	0.30	0.67	1.11	1.33
	3.42	S36-04.5	S36	D	Open Brush, Fair	83	67	96	2.33	2.25	2.14	0.98	0.60	0.25		1.00	0.20	1.03	1.71	2.05
	1.44	S36-04.5	S36	B	Woodland, Grass, Fair	65	45	83	0.56	0.52	0.46	0.06	0.00	0.00		1.00	0.30	0.43	0.72	0.86
	0.01	S36-04.5	S36	D	Woodland, Grass, Fair	82	66	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00
	5.39	S36-21	S36	D	Chaparral, Broadleaf, Fair	81	64	95	3.48	3.35	3.17	1.32	0.75	0.26		1.00	0.20	1.62	2.69	3.23
	16.30	S36-21	S36	B	Fallow	86	72	97	11.96	11.64	11.18	5.77	3.87	1.98		1.00	0.30	4.89	8.15	9.78
	4.08	S36-21	S36	C	Fallow	91	80	98	3.37	3.31	3.23	2.05	1.58	1.04		1.00	0.25	1.22	2.04	2.45
	12.36	S36-21	S36	D	Fallow	94	85	99	10.90	10.78	10.60	7.61	6.30	4.68		1.00	0.20	3.71	6.18	7.42
	11.23	S36-21	S36	B	Open Brush, Fair	66	46	84	4.54	4.21	3.76	0.56	0.07	0.00		1.00	0.30	3.37	5.61	6.74
	5.16	S36-21	S36	C	Open Brush, Fair	77	59	92	2.98	2.84	2.65	0.92	0.44	0.09		1.00	0.25	1.55	2.58	3.09
	53.93	S36-21	S36	D	Open Brush, Fair	83	67	96	36.69	35.49	33.76	15.37	9.39	3.93		1.00	0.20	16.18	26.97	32.36
	0.44	S36-21	S36	B	Woodland, Grass, Fair	65	45	83	0.17	0.16	0.14	0.02	0.00	0.00		1.00	0.30	0.13	0.22	0.27
	3.98	S36-21	S36	D	Woodland, Grass, Fair	82	66	95	2.64	2.54	2.41	1.05	0.62	0.24		1.00	0.20	1.19	1.99	2.39
	0.96	S36-41	S36	C	Chaparral, Broadleaf, Fair	75	57	91	0.53	0.50	0.46	0.15	0.06	0.01		1.00	0.25	0.29	0.48	0.58
	0.01	S36-41	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00
	1.56	S36-41	S36	B	Chaparral, Narrowleaf, Fair	72	53	89	0.77	0.73	0.67	0.18	0.06	0.00		1.00	0.30	0.47	0.78	0.93
	10.45	S36-41	S36	D	Chaparral, Narrowleaf, Fair	86	72	97	7.67	7.46	7.16	3.70	2.48	1.27		1.00	0.20	3.14	5.23	6.27
	44.94	S36-41	S36	B	Fallow	86	72	97	32.96	32.09	30.81	15.92	10.67	5.46		1.00	0.30	13.48	22.47	26.96
	9.66	S36-41	S36	C	Fallow	91	80	98	7.97	7.84	7.64	4.85	3.73	2.45		1.00	0.25	2.90	4.83	5.80
	16.49	S36-41	S36	D	Fallow	94	85	99	14.55	14.39	14.14	10.15	8.40	6.24		1.00	0.20	4.95	8.25	9.90
	20.39	S36-41	S36	D	Grass, Annual or Perennial, Fair	84	69	96	14.23	13.79	13.16	6.24	3.94	1.77		1.00	0.20	6.12	10.19	12.23
	7.02	S36-41	S36	B	Open Brush, Fair	66	46	84	2.84	2.63	2.35	0.35	0.04	0.00		1.00	0.30	2.10	3.51	4.21
	12.58	S36-41	S36	C	Open Brush, Fair	77	59	92	7.27	6.94	6.47	2.26	1.09	0.22		1.00	0.25	3.78	6.29	7.55
	42.49	S36-41	S36	D	Open Brush, Fair	83	67	96	28.91	27.96	26.60	12.11	7.40	3.10		1.00	0.20	12.75	21.25	25.50
	5.73	S36-41	S36	B	Woodland, Grass, Fair	65	45	83	2.23	2.06	1.83	0.24	0.02	0.00		1.00	0.30	1.72	2.86	3.44
	1.78	S36-41	S36	C	Woodland, Grass, Fair	77	59	92	1.03	0.98	0.92	0.32	0.15	0.03		1.00	0.25	0.53	0.89	1.07
	6.25	S36-41	S36	D	Woodland, Grass, Fair	82	66	95	4.14	4.00	3.79	1.65	0.97	0.38		1.00	0.20	1.87	3.12	3.75
	0.67	S36-42	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.24	0.22	0.19	0.02	0.00	0.00		1.00	0.30	0.20	0.33	0.40
	24.24	S36-42	S36	C	Chaparral, Broadleaf, Fair	75	57	91	13.21	12.55	11.62	3.66	1.58	0.20		1.00	0.25	7.27	12.12	14.55
	1.34	S36-42	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.86	0.83	0.79	0.33	0.19	0.07		1.00	0.20	0.40	0.67	0.80
	0.00	S36-42	S36	C	Commercial, Industrial	69	50	86	0.00	0.00	0.00	0.00	0.00	0.00		0.10	0.25	0.00	0.00	0.00
	74.98	S36-42	S36	B	Fallow	86	72	97	54.99	53.53	51.40	26.55	17.80	9.11		1.00	0.30	22.49	37.49	44.99
	101.12	S36-42	S36	C	Fallow	91	80	98	83.44	82.04	79.95	50.81	39.01	25.64		1.00	0.25	30.34	50.56	60.67
	16.90	S36-42	S36	D	Fallow	94	85	99	14.91	14.74	14.49	10.40	8.61	6.40		1.00	0.20	5.07	8.45	10.14
	9.95	S36-42	S36	C	Grass, Annual or Perennial, Fair	79	62	93	6.09	5.84	5.48	2.09	1.10	0.31		1.00	0.25	2.99	4.98	5.97
	10.02	S36-42	S36	D	Grass, Annual or Perennial, Fair	84	69	96	6.99	6.78	6.47	3.07	1.93	0.87		1.00	0.20	3.01	5.01	6.01
	4.45	S36-42	S36	B	Open Brush, Fair	66	46	84	1.80	1.67	1.49	0.22	0.03	0.00		1.00	0.30	1.33	2.22	2.67
	179.37	S36-42	S36	C	Open Brush, Fair	77	59	92	103.65	98.96	92.27	32.17	15.47	3.20		1.00	0.25	53.81	89.68	107.62
	11.47	S36-42	S36	D	Open Brush, Fair	83	67	96	7.80	7.55	7.18	3.27	2.00	0.84		1.00	0.20	3.44	5.73	6.88
	0.17	S36-42	S36	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.04		0.85	0.25	0.04	0.07	0.09
	0.03	S36-42	S36	D	Public Park	75	57	91	0.02	0.02	0.02	0.02	0.01	0.01		0.85	0.20	0.01	0.01	0.02
	5.14	S36-42	S36	B	Woodland, Grass, Fair	65	45	83	2.00	1.85	1.64	0.21	0.02	0.00		1.00	0.30	1.54	2.57	3.08
	11.22	S36-42	S36	C	Woodland, Grass, Fair	77	59	92	6.48	6.19	5.77	2.01	0.97	0.20		1.00	0.25	3.37	5.61	6.73
	0.33	S36-42	S36	D	Woodland, Grass, Fair	82	66	95	0.22	0.21	0.20	0.09	0.05	0.02		1.00	0.20	0.10	0.16	0.20
	0.22	S36-43	S36	B	Barren	86	72	97	0.16	0.16	0.15	0.08	0.05	0.03		1.00	0.30	0.07	0.11	0.13
	2.17	S36-43	S36	C	Barren	91	80	98	1.79	1.76	1.72	1.09	0.84	0.55		1.00	0.25	0.65	1.09	1.30
	9.19	S36-43	S36	C	Chaparral, Broadleaf, Fair	75	57	91	5.01	4.76	4.40	1.39	0.60	0.08		1.00	0.25	2.76	4.59	5.51
	67.57	S36-43	S36	B	Fallow	86	72	97	49.56	48.24	46.32	23.93	16.04	8.21		1.00	0.30	20.27	33.78	40.54
	35.19	S36-43	S36	C	Fallow	91	80	98	29.04	28.55	27.82	17.68	13.58	8.92		1.00	0.25	10.56	17.59	21.11
	30.67	S36-43	S36	D	Fallow	94	85	99	27.05	26.75	26.30	18.87	15.62	11.61		1.00	0.20	9.20	15.34	18.40
	0.89	S36-43	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.40	0.38	0.34	0.07	0.02	0.00		1.00	0.30	0.27	0.45	0.54
	20.64	S36-43	S36	C	Grass, Annual or Perennial, Fair	79	62	93	12.62	12.11	11.36	4.33	2.27	0.63		1.00	0.25	6.19	10.32	12.39
	2.69	S36-43	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.88	1.82	1.74	0.83	0.52	0.23		1.00	0.20	0.81	1.35	1.62
	8.45	S36-43	S36	B	Open Brush, Fair	66	46	84	3.42	3.17	2.83	0.42	0.05	0.00		1.00	0.30	2.54	4.23	5.07
	96.93	S36-43	S36	C	Open Brush, Fair	77	59	92	56.01	53.47	49.86	17.38	8.36	1.73		1.00	0.25	29.08	48.46	58.16
	13.19	S36-43	S36	D	Open Brush, Fair	83	67	96	8.97	8.68	8.26	3.76	2.30	0.96		1.00	0.20	3.96	6.60	7.92
	42.53	S36-43	S36	B	Row Crops, Poor	81	64	95	27.46	26.45	25.00	10.41	5.91	2.07		1.00	0.30	12.76	21.27	25.52
	16.96	S36-43	S36	C	Row Crops, Poor	88	75	98	13.05	12.76	12.32	6.93	4.92	2.82		1.00	0.25	5.09	8.48	10.17
	80.60	S36-43	S36	D	Row Crops, Poor	91	80	98	66.51	65.39	63.73	40.50	31.10	20.44		1.00	0.20	24.18	40.30	48.36
	1.56	S3																		

PA-3&4 (Ultimate Conditions)

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							
									EV							HC							
						100	50	25	10	5	2	100											
						AMC			P_{24} (Inches)														
						II	I	III	AMC 1/AMC II						5.63								
	3.14	S36-61	S36	D	Fallow	94	85	99	2.77	2.74	2.70	1.93	1.60	1.19		1.00	0.20	0.94	1.57	1.89			
	0.67	S36-61	S36	B	rass, Annual or Perennial, Fa	69	50	86	0.30	0.28	0.25	0.05	0.01	0.00		1.00	0.30	0.20	0.33	0.40			
	9.52	S36-61	S36	C	rass, Annual or Perennial, Fa	79	62	93	5.82	5.58	5.24	1.99	1.05	0.29		1.00	0.25	2.85	4.76	5.71			
	0.71	S36-61	S36	D	rass, Annual or Perennial, Fa	84	69	96	0.50	0.48	0.46	0.22	0.14	0.06		1.00	0.20	0.21	0.36	0.43			
	0.22	S36-61	S36	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	39.42	S36-61	S36	C	Open Brush, Fair	77	59	92	22.78	21.75	20.28	7.07	3.40	0.70		1.00	0.25	11.83	19.71	23.65			
	0.62	S36-61	S36	D	Open Brush, Fair	83	67	96	0.42	0.40	0.39	0.18	0.11	0.04		1.00	0.20	0.18	0.31	0.37			
	0.11	S36-61	S36	B	Orchards, Evergreen, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.77	S36-61	S36	D	Orchards, Evergreen, Fair	82	66	95	0.51	0.49	0.47	0.20	0.12	0.05		1.00	0.20	0.23	0.39	0.46			
	0.22	S36-61	S36	B	Woodland, Grass, Fair	65	45	83	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	2.69	S36-61	S36	D	Woodland, Grass, Fair	82	66	95	1.78	1.72	1.63	0.71	0.42	0.16		1.00	0.20	0.81	1.34	1.61			
	0.22	S36-62	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	9.22	S36-62	S36	C	Chaparral, Broadleaf, Fair	75	57	91	5.03	4.78	4.42	1.39	0.60	0.08		1.00	0.25	2.77	4.61	5.53			
	0.54	S36-62	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.35	0.34	0.32	0.13	0.08	0.03		1.00	0.20	0.16	0.27	0.32			
	5.65	S36-62	S36	B	Fallow	86	72	97	4.14	4.03	3.87	2.00	1.34	0.69		1.00	0.30	1.69	2.82	3.39			
	3.66	S36-62	S36	C	Fallow	91	80	98	3.02	2.97	2.89	1.84	1.41	0.93		1.00	0.25	1.10	1.83	2.19			
	0.67	S36-62	S36	D	Fallow	94	85	99	0.59	0.58	0.57	0.41	0.34	0.25		1.00	0.20	0.20	0.33	0.40			
	1.56	S36-62	S36	B	rass, Annual or Perennial, Fa	69	50	86	0.70	0.66	0.59	0.12	0.03	0.00		1.00	0.30	0.47	0.78	0.93			
	9.40	S36-62	S36	C	rass, Annual or Perennial, Fa	79	62	93	5.75	5.51	5.17	1.97	1.03	0.29		1.00	0.25	2.82	4.70	5.64			
	2.76	S36-62	S36	D	rass, Annual or Perennial, Fa	84	69	96	1.92	1.87	1.78	0.84	0.53	0.24		1.00	0.20	0.83	1.38	1.65			
	17.38	S36-62	S36	C	Open Brush, Fair	77	59	92	10.04	9.59	8.94	3.12	1.50	0.31		1.00	0.25	5.21	8.69	10.43			
	2.46	S36-62	S36	D	Open Brush, Fair	83	67	96	1.68	1.6													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100							
						AMC			P ₂₄ (Inches)													
						II	I	III														
	6.9	PA-2	s36	C	Public Park	69	50	86	3.63	3.46	3.22	2.81	2.11	1.44		0.85	0.25	1.76	2.93	3.52		
	0.4	PA-2	s36	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.15	0.11		0.85	0.20	0.10	0.17	0.20		
	0.8	A1	s36	D	Residential 10+ dwellings/acre	75	57	91	0.70	0.70	0.69	0.67	0.63	0.59		0.20	0.20	0.05	0.08	0.10		
	0.5	A10	s36	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06		
	0.9	A10	s36	D	Commercial, Industrial	75	57	91	0.83	0.82	0.81	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05		
	3.9	A10	s36	D	Condominiums	75	57	91	3.18	3.13	3.07	2.95	2.72	2.46		0.35	0.20	0.41	0.68	0.82		
	14.6	A11	s36	D	Apartments	75	57	91	12.80	12.68	12.51	12.19	11.57	10.77		0.20	0.20	0.88	1.46	1.75		
	1.1	A11	s36	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07		
	4.3	A11	s36	D	Condominiums	75	57	91	3.50	3.45	3.38	3.25	3.00	2.71		0.35	0.20	0.45	0.75	0.90		
	0.5	A12	s36	B	Residential 10+ dwellings/acre	56	36	76	0.41	0.41	0.40	0.39	0.37	0.35		0.20	0.30	0.03	0.05	0.06		
	10	A12	s36	D	Residential 10+ dwellings/acre	75	57	91	8.77	8.69	8.57	8.35	7.92	7.37		0.20	0.20	0.60	1.00	1.20		
	1.7	A12	s36	D	Apartments	75	57	91	1.49	1.48	1.46	1.42	1.35	1.25		0.20	0.20	0.10	0.17	0.20		
	0.5	A12	s36	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.40		0.10	0.20	0.02	0.03	0.03		
	1	A12	s36	D	Condominiums	75	57	91	0.81	0.80	0.79	0.76	0.70	0.63		0.35	0.20	0.11	0.18	0.21		
	0.6	A13	s36	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.48	0.44		0.20	0.20	0.04	0.06	0.07		
	0.1	A14	s36	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01		
	7.9	A14	s36	D	Residential 10+ dwellings/acre	75	57	91	6.93	6.86	6.77	6.60	6.26	5.83		0.20	0.20	0.47	0.79	0.95		
	4.1	A14	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.26	3.20	3.13	2.99	2.74	2.44		0.40	0.20	0.49	0.82	0.98		
	2.2	A14	s36	D	Apartments	75	57	91	1.93	1.91	1.88	1.84	1.74	1.62		0.20	0.20	0.13	0.22	0.26		
	0.2	A15	s36	B	Condominiums	56	36	76	0.14	0.14	0.14	0.13	0.12	0.11		0.35	0.30	0.02	0.04	0.04		
	4.5	A15	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.57	3.51	3.43	3.28	3.00	2.68		0.40	0.20	0.54	0.90	1.08		
	0.7	A15	s36	D	Apartments	75	57	91	0.61	0.61	0.60	0.58	0.55	0.52		0.20	0.20	0.04	0.07	0.08		
	0.4	A15	s36	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02		
	3.5	A15	s36	D	Condominiums	75	57	91	2.85	2.81	2.75	2.65	2.45	2.21		0.35	0.20	0.37	0.61	0.74		
	2.9	A16	s36	B	Residential 8-10 dwellings/acre	56	36	76	1.98	1.94	1.89	1.80	1.66	1.54		0.40	0.30	0.35	0.58	0.70		
	1.4	A16	s36	B	Condominiums	56	36	76	1.00	0.99	0.96	0.92	0.86	0.80		0.35	0.30	0.15	0.25	0.29		
	4	A16	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.18	3.12	3.05	2.92	2.67	2.38		0.40	0.20	0.48	0.80	0.96		
	0.2	A16	s36	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01		
	2.7	A16	s36	D	Condominiums	75	57	91	2.20	2.17	2.12	2.04	1.89	1.70		0.35	0.20	0.28	0.47	0.57		
	0.2	A16	s36	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.03	0.01		1.00	0.20	0.06	0.10	0.12		
	1	A17	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.68	0.67	0.65	0.62	0.57	0.53		0.40	0.30	0.12	0.20	0.24		
	7.5	A17	s36	D	Residential 8-10 dwellings/acre	75	57	91	5.96	5.86	5.72	5.47	5.01	4.46		0.40	0.20	0.90	1.50	1.80		
	0.1	A17	s36	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06		
	4.3	A18	s36	B	Residential 10+ dwellings/acre	56	36	76	3.53	3.49	3.44	3.36	3.20	3.03		0.20	0.30	0.26	0.43	0.52		
	0.7	A18	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.48	0.47	0.46	0.43	0.40	0.37		0.40	0.30	0.08	0.14	0.17		
	0.9	A18	s36	B	Commercial, Industrial	56	36	76	0.80	0.80	0.79	0.77	0.75	0.71		0.10	0.30	0.03	0.05	0.05		
	0.6	A18	s36	B	Condominiums	56	36	76	0.43	0.42	0.41	0.40	0.37	0.34		0.35	0.30	0.06	0.11	0.13		
	0.4	A18	s36	D	Residential 10+ dwellings/acre	75	57	91	0.35	0.35	0.34	0.33	0.32	0.29		0.20	0.20	0.02	0.04	0.05		
	0.2	A18	s36	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.13	0.12		0.40	0.20	0.02	0.04	0.05		
	0.1	A18	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	0.1	A18	s36	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02		
	0.7	A19	s36	B	Residential 10+ dwellings/acre	56	36	76	0.57	0.57	0.56	0.55	0.52	0.49		0.20	0.30	0.04	0.07	0.08		
	5.1	A19	s36	B	Residential 8-10 dwellings/acre	56	36	76	3.48	3.41	3.32	3.16	2.92	2.70		0.40	0.30	0.61	1.02	1.22		
	0.3	A19	s36	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02		
	0.1	A19	s36	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05		
	0.8	A19	s36	D	Residential 10+ dwellings/acre	75	57	91	0.70	0.70	0.69	0.67	0.63	0.59		0.20	0.20	0.05	0.08	0.10		
	0.8	A19	s36	D	Residential 5-7 dwellings/acre	75	57	91	0.60	0.59	0.57	0.54	0.48	0.42		0.50	0.20	0.12	0.20	0.24		
	3.1	A19	s36	D	Residential 8-10 dwellings/acre	75	57	91	2.46	2.42	2.36	2.26	2.07	1.85		0.40	0.20	0.37	0.62	0.74		
	0.3	A19	s36	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02		
	1.5	A19	s36	D	Public Park	75	57	91	0.91	0.88	0.83	0.74	0.58	0.41		0.85	0.20	0.38	0.64	0.77		
	2.3	A2	s36	D	Apartments	75	57	91	2.02	2.00	1.97	1.92	1.82	1.70		0.20	0.20	0.14	0.23	0.28		
	1	A2	s36	D	Commercial, Industrial	75	57	91	0.92	0.91	0.90	0.89	0.85	0.81		0.10	0.20	0.03	0.05	0.06		
	2.6	A3	s36	D	Residential 10+ dwellings/acre	75	57	91	2.28	2.26	2.23	2.17	2.06	1.92		0.20	0.20	0.16	0.26	0.31		
	1.2	A4	s36	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.88		0.20	0.20	0.07	0.12	0.14		
	0.1	A4	s36	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01		
	2.4	A4	s36	D	Commercial, Industrial	75	57	91	2.20	2.19	2.17	2.13	2.05	1.94		0.10	0.20	0.07	0.12	0.14		
	4.4	A5	s36	D	Apartments	75	57	91	3.86	3.82	3.77	3.67	3.49	3.24		0.20	0.20	0.26	0.44	0.53		
	18.2	A5	s36	D	Commercial, Industrial	75	57	91	16.72	16.61	16.45	16.16	15.55	14.71		0.10	0.20	0.55	0.91	1.09		
	6.2	A6	s36	D	Apartments	75	57	91	5.44	5.39	5.31	5.18	4.91	4.57		0.20	0.20	0.37	0.62	0.74		
	0.1	A6	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	15.3	A7	s36	D	Commercial, Industrial	75	57	91	14.05	13.96	13.83	13.58	13.07	12.37		0.10	0.20	0.46	0.77	0.92		
	0.7	A7	s36	D	Public Park	75	57	91	0.43	0.41	0.39	0.34	0.27	0.19		0.85	0.20	0.18	0.30	0.36		
	2.1	A8	s36	B	Public Park	56	36	76	0.77	0.72	0.65	0										

PA-3&4 (Ultimate Conditions)

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						
									EV																	
						100	50	25	10	5	2	100														
						AMC			P_{st} (Inches)																	
						II	I	III	AMC 1/AMC II						5.63											
	0.1	BASIN-2	s#36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01						
	2.8	BASIN-3	s#36	B	Commercial, Industrial	56	36	76	2.49	2.48	2.45	2.41	2.33	2.22		0.10	0.30	0.08	0.14	0.17						
	0.6	BASIN-3	s#36	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04						
	1.5	OFF-1	s#36	D	Open Brush, Fair	83	67	96	1.02	0.99	0.94	0.43	0.26	0.11		1.00	0.20	0.45	0.75	0.90						
	2.8	OFF-2	s#36	D	Open Brush, Fair	83	67	96	1.90	1.84	1.75	0.80	0.49	0.20		1.00	0.20	0.84	1.40	1.68						
	3.3	OFF-3	s#36	D	Open Brush, Fair	83	67	96	2.24	2.17	2.07	0.94	0.57	0.24		1.00	0.20	0.99	1.65	1.98						
	2.3	OFF-4	s#36	D	Open Brush, Fair	83	67	96	1.56	1.51	1.44	0.66	0.40	0.17		1.00	0.20	0.69	1.15	1.38						
	3.7	OFF-5	s#36	D	Open Brush, Fair	83	67	96	2.52	2.43	2.32	1.05	0.64	0.27		1.00	0.20	1.11	1.85	2.22						
	8.3	OFF-6	s#36	D	Open Brush, Fair	83	67	96	5.65	5.46	5.20	2.37	1.44	0.60		1.00	0.20	2.49	4.15	4.98						
	0.6	OFF-7	s#36	B	Open Brush, Fair	66	46	84	0.24	0.23	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36						
	0.3	OFF-7	s#36	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.23	0.23	0.02	0.00	0.18		0.40	0.20	0.04	0.06	0.07						
	13.2	OFF-7	s#6 D	D	Open Brush, Fair	83	67	96	8.98	8.69	8.26	3.76	2.30	0.96		1.00	0.20	3.96	6.60	7.92						
	8.10	S37	A	C	Commercial, Industrial	32	17	52	7.02	6.98	6.94	6.86	6.68	6.41		0.10	0.40	0.24	0.41	0.49						
	50.70	S37	B	C	Commercial, Industrial	56	36	76	45.15	44.84	44.41	43.63	42.12	40.15		0.10	0.30	1.52	2.54	3.04						
	5.70	S37	C	B	Commercial, Industrial	69	50	86	5.18	5.15	5.10	5.00	4.82	4.56		0.10	0.25	0.17	0.29	0.34						
	43.50	S37	D	C	Commercial, Industrial	75	57	91	39.96	39.70	39.32	38.62	37.17	35.16		0.10	0.20	1.31	2.18	2.61						
	16.60	S37	B	D	Residential 8-10 dwellings/acre	56	36	76	11.32	11.10	10.79	10.30	9.51	8.80		0.40	0.30	1.99	3.32	3.98						
	6.90	S37	D	D	Residential 8-10 dwellings/acre	75	57	91	5.48	5.39	5.26	5.04	4.61	4.11		0.40	0.20	0.83	1.38	1.66						
	5.40	S37	A	D	Residential 5-7 dwellings/acre	32	17	52	2.65	2.62	2.58	2.54	2.48	2.38		0.50	0.40	0.81	1.35	1.62						
	20.10	S37	B	D	Residential 5-7 dwellings/acre	56	36	76	12.30	11.98	11.55	10.86	9.79	8.89		0.50	0.30	3.02	5.03	6.03						
	104.50	S37	D	D	Residential 5-7 dwellings/acre	75	57	91	78.64	77.04	74.75	70.70	63.25	54.79		0.50	0.20	15.68	26.13	31.35						
	19.00	S37	B	D	Residential 3-4 dwell																					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13910 (Node 138)

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	100										
						AMC		P ₂₄ (Inches)														
						II	I	III	AMC I/AMC II						5.63							
	3.37		S38	A	Public Park	32	17	52	0.55	0.52	0.49	0.48	0.46	0.45		0.85	0.40	0.86	1.43	1.72		
	10.87		S38	B	Public Park	56	36	76	4.01	3.74	3.39	2.83	2.02	1.49		0.85	0.30	2.77	4.62	5.55		
	41.60		S38	D	Public Park	75	57	91	25.26	24.28	22.89	20.46	16.11	11.47		0.85	0.20	10.61	17.68	21.22		
	9.7		S38	B	Residential 1 acre lots	56	36	76	3.93	3.70	3.40	2.92	2.23	1.76		0.80	0.30	2.34	3.90	4.68		
	1.4		S38	C	Residential 1 acre lots	69	50	86	0.79	0.76	0.71	0.63	0.49	0.36		0.80	0.25	0.35	0.58	0.69		
	131.37		S38	D	Residential 1 acre lots	75	57	91	82.50	79.55	75.37	68.06	54.96	40.88		0.80	0.20	31.53	52.55	63.06		
	3.00		S38	A	Residential 2 dwellings/acre	32	17	52	0.91	0.89	0.86	0.85	0.83	0.79		0.70	0.40	0.63	1.05	1.26		
	22.15		S38	B	Residential 2 dwellings/acre	56	36	76	10.47	10.01	9.40	8.42	6.98	5.93		0.70	0.30	4.65	7.75	9.30		
	19.37		S38	D	Residential 2 dwellings/acre	75	57	91	12.97	12.58	12.03	11.06	9.31	7.41		0.70	0.20	4.07	6.78	8.14		
	2.75		S38	B	Residential 2.5 acre lots	56	36	76	0.92	0.85	0.75	0.61	0.39	0.26		0.90	0.30	0.74	1.24	1.49		
	20.34		S38	D	Residential 2.5 acre lots	75	57	91	11.93	11.42	10.71	9.46	7.24	4.88		0.90	0.20	5.49	9.15	10.98		
	6.47		S38	A	Residential 3-4 dwellings/acre	32	17	52	2.57	2.52	2.48	2.44	2.37	2.28		0.60	0.40	1.17	1.94	2.33		
	98.16		S38	B	Residential 3-4 dwellings/acre	56	36	76	53.24	51.44	49.03	45.17	39.37	34.85		0.60	0.30	17.67	29.45	35.34		
	53.27		S38	D	Residential 3-4 dwellings/acre	75	57	91	37.88	36.93	35.59	33.23	28.92	24.15		0.60	0.20	9.59	15.98	19.18		
	0.02		S38	C	Row Crops, Good	85	70	97	0.02	0.02	0.02	0.01	0.01	0.00		1.00	0.25	0.01	0.01	0.01		
	11.3		S38	D	Row Crops, Good	89	76	98	8.94	8.75	8.48	4.96	3.62	2.17		1.00	0.20	3.40	5.67	6.80		
	2.01		S38	A	Woodland, Grass, Fair	44	26	64	0.24	0.20	0.15	0.00	0.00	0.00		1.00	0.40	0.60	1.01	1.21		
	1.92		S38	C	Woodland, Grass, Fair	77	59	92	1.11	1.06	0.99	0.35	0.17	0.03		1.00	0.25	0.58	0.96	1.15		
	4.99		S38	D	Woodland, Grass, Fair	82	66	95	3.31	3.20	3.03	1.32	0.78	0.30		1.00	0.20	1.50	2.50	3.00		
	69102.7				Low Loss Fraction (1-Y) =	0.394	0.417	0.450	0.732	0.822	0.899	1.000				F _m =	0.282	0.471	0.565	0.000		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III				AMC 1/AMCII											

	9.71		S1	A	Chaparral, Broadleaf, Fair	40	23	60	0.79	0.61	0.40	0.00	0.00	0.00	2.91	1.00	0.40	2.91	4.86	5.83	3.89
	73.91		S1	B	Chaparral, Broadleaf, Fair	63	43	81	26.60	24.43	21.46	2.17	0.02	0.00		1.00	0.30	22.17	36.95	44.34	
	1029.81		S1	C	Chaparral, Broadleaf, Fair	75	57	91	560.68	532.66	492.98	155.61	66.42	8.65		1.00	0.25	308.94	514.91	617.89	
	758.05		S1	D	Chaparral, Broadleaf, Fair	81	64	95	489.00	470.99	445.04	185.45	104.67	36.92		1.00	0.20	227.41	379.02	454.83	
	52.00		S1	C	Fallow	91	80	98	42.90	42.17	41.10	26.13	20.00	13.19		1.00	0.25	15.60	26.00	31.20	
	2.73		S1	D	Fallow	94	85	99	2.41	2.38	2.34	1.68	1.39	1.03		1.00	0.20	0.82	1.36	1.64	
	54.84		S1	B	Woodland, Fair	60	40	79	17.41	15.81	13.66	0.79	0.00	0.00		1.00	0.30	16.45	27.42	32.90	
	58.35		S1	C	Woodland, Fair	73	55	89	29.88	28.25	25.95	7.29	2.70	0.14		1.00	0.25	17.51	29.18	35.01	
	1.95		S1	D	Woodland, Fair	79	62	93	1.19	1.14	1.07	0.41	0.21	0.06		1.00	0.20	0.59	0.98	1.17	
	48.35		S1	B	Woodland, Poor	66	46	84	19.53	18.11	16.15	2.42	0.27	0.00		1.00	0.30	14.50	24.17	29.01	
	44.42		S1	C	Woodland, Poor	77	59	92	25.65	24.48	22.82	7.97	3.80	0.79		1.00	0.25	13.32	22.21	26.65	
	95.06		S2	B	Chaparral, Broadleaf, Fair	63	43	81	34.22	31.42	27.60	2.79	0.03	0.00		1.00	0.30	28.52	47.53	57.04	
	1437.77		S2	C	Chaparral, Broadleaf, Fair	75	57	91	782.80	743.66	688.27	217.25	92.73	12.08		1.00	0.25	431.33	718.88	862.66	
	107.72		S2	D	Chaparral, Broadleaf, Fair	81	64	95	69.49	66.93	63.24	26.35	14.87	5.25		1.00	0.20	32.32	53.86	64.63	
	15.50		S2	B	Woodland, Fair	60	40	79	4.92	4.47	3.86	0.22	0.00	0.00		1.00	0.30	4.65	7.75	9.30	
	94.17		S2	C	Woodland, Fair	73	55	89	48.23	45.59	41.88	11.76	4.36	0.23		1.00	0.25	28.25	47.08	56.50	
	35.70		S2	B	Woodland, Grass, Fair	65	45	83	13.89	12.84	11.39	1.49	0.10	0.00		1.00	0.30	10.71	17.85	21.42	
	55.19		S2	C	Woodland, Grass, Fair	77	59	92	31.87	30.42	28.36	9.90	4.72	0.98		1.00	0.25	16.56	27.60	33.12	
	5.90		S3	A	Chaparral, Broadleaf, Fair	40	23	60	0.48	0.37	0.24	0.00	0.00	0.00		1.00	0.40	1.77	2.95	3.54	
	13.63		S3	B	Chaparral, Broadleaf, Fair	63	43	81	4.90	4.50	3.96	0.40	0.00	0.00		1.00	0.30	4.09	6.81	8.18	
	754.34		S3	C	Chaparral, Broadleaf, Fair	75	57	91	410.70	390.17	361.11	113.98	48.65	6.34		1.00	0.25	226.30	377.17	452.60	
	737.55		S3	D	Chaparral, Broadleaf, Fair	81	64	95	475.78	458.25	433.00	180.44	101.84	35.92		1.00	0.20	221.27	368.78	442.53	
	322.55		S3	C	Chaparral, Narrowleaf, Fair	81	64	95	208.07	200.40	189.36	78.91	44.53	15.71		1.00	0.25	96.76	161.27	193.53	
	642.13		S3	D	Chaparral, Narrowleaf, Fair	86	72	97	470.74	458.21	439.88	227.42	151.67	78.05		1.00	0.20	192.64	321.07	385.28	
	4.47		S3	C	Commercial, Industrial	69	50	86	4.07	4.04	4.00	3.93	3.78	3.58		0.10	0.25	0.13	0.22	0.27	
	8.45		S3	C	Grass, Annual or Perennial, Fair	79	62	93	5.16	4.95	4.65	1.77	0.92	0.26		1.00	0.25	2.54	4.23	5.07	
	0.97		S3	D	Grass, Annual or Perennial, Fair	84	69	96	0.68	0.66	0.63	0.30	0.19	0.08		1.00	0.20	0.29	0.49	0.58	
	9.81		S3	D	Open Brush, Fair	83	67	96	6.67	6.45	6.14	2.80	1.70	0.71		1.00	0.20	2.94	4.91	5.89	
	4.08		S3	B	Public Park	56	36	76	1.50	1.40	1.27	1.06	0.76	0.56		0.85	0.30	1.04	1.74	2.08	
	47.90		S3	C	Public Park	69	50	86	25.19	23.98	22.30	19.48	14.63	10.03		0.85	0.25	12.21	20.36	24.43	
	0.38		S3	C	Residential 1 acre lots	69	50	86	0.21	0.20	0.19	0.17	0.13	0.09		0.80	0.25	0.09	0.15	0.18	
	0.21		S3	D	Woodland, Fair	79	62	93	0.13	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12	
	2.60		S3	A	Woodland, Grass, Fair	44	26	64	0.31	0.26	0.19	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56	
	60.94		S3	B	Woodland, Grass, Fair	65	45	83	23.71	21.91	19.45	2.55	0.18	0.00		1.00	0.30	18.28	30.47	36.56	
	155.04		S3	C	Woodland, Grass, Fair	77	59	92	89.52	85.45	79.65	27.81	13.25	2.76		1.00	0.25	46.51	77.52	93.02	
	90.19		S3	D	Woodland, Grass, Fair	82	66	95	59.74	57.67	54.67	23.86	13.98	5.42		1.00	0.20	27.06	45.10	54.12	
	41.60		S4	A	Chaparral, Broadleaf, Fair	40	23	60	3.39	2.63	1.71	0.00	0.00	0.00		1.00	0.40	12.48	20.80	24.96	
	47.53		S4	B	Chaparral, Broadleaf, Fair	63	43	81	17.11	15.71	13.80	1.39	0.02	0.00		1.00	0.30	14.26	23.77	28.52	
	998.31		S4	C	Chaparral, Broadleaf, Fair	75	57	91	543.53	516.36	477.90	150.85	64.39	8.39		1.00	0.25	299.49	499.16	598.99	
	181.26		S4	D	Chaparral, Broadleaf, Fair	81	64	95	116.92	112.62	106.41	44.34	25.03	8.83		1.00	0.20	54.38	90.63	108.75	
	71.49		S4	C	Chaparral, Narrowleaf, Fair	81	64	95	46.11	44.42	41.97	17.49	9.87	3.48		1.00	0.25	21.45	35.74	42.89	
	0.93		S4	D	Chaparral, Narrowleaf, Fair	86	72	97	0.68	0.66	0.64	0.33	0.22	0.11		1.00	0.20	0.28	0.46	0.56	
	25.40		S4	B	Fallow	86	72	97	18.62	18.13	17.40	9.00	6.00	3.09		1.00	0.30	7.62	12.70	15.24	
	60.60		S4	C	Fallow	91	80	98	49.99	49.15	47.90	30.45	23.31	15.37		1.00	0.25	18.18	30.30	36.36	
	0.09		S4	D	Fallow	94	85	99	0.08	0.08	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.05	
	11.02		S4	B	Woodland, Fair	60	40	79	3.50	3.18	2.74	0.16	0.00	0.00		1.00	0.30	3.31	5.51	6.61	
	24.63		S4	C	Woodland, Fair	73	55	89	12.61	11.92	10.95	3.08	1.14	0.06		1.00	0.25	7.39	12.31	14.78	
	0.76		S4	B	Woodland, Poor	66	46	84	0.31	0.28	0.25	0.04	0.00	0.00		1.00	0.30	0.23	0.38	0.45	
	8.00		S4	C	Woodland, Poor	77	59	92	4.62	4.41	4.11	1.43	0.68	0.14		1.00	0.25	2.40	4.00	4.80	
	3.22		S5	B	Chaparral, Broadleaf, Fair	63	43	81	1.16	1.07	0.94	0.09	0.00	0.00		1.00	0.30	0.97	1.61	1.93	
	43.68		S5	C	Chaparral, Broadleaf, Fair	75	57	91	23.78	22.59	20.91	6.60	2.82	0.37		1.00	0.25	13.10	21.84	26.21	
	204.58		S5	D	Chaparral, Broadleaf, Fair	81	64	95	131.97	127.11	120.11	50.05	28.25	9.96		1.00	0.20	61.37	102.29	122.75	
	9.30		S5	B	Chaparral, Narrowleaf, Fair	72	53	89	4.61	4.35	3.98	1.05	0.36	0.01		1.00	0.30	2.79	4.65	5.58	
	283.71		S5	C	Chaparral, Narrowleaf, Fair	81	64	95	183.01	176.27	166.56	69.41	39.17	13.82		1.00	0.25	85.11	141.85	170.23	
	334.67		S5	D	Chaparral, Narrowleaf, Fair	86	72	97	245.34	238.81	229.25	118.52	79.05	40.68		1.00	0.20	100.40	167.33	200.80	
	3.04		S5	C	Residential 1 acre lots	69	50	86	1.68	1.61	1.50	1.33	1.04	0.76		0.80	0.25	0.73	1.22	1.46	
	10.47		S5	B	Woodland, Grass, Fair	65	45	83	4.08	3.77	3.34	0.44	0.03	0.00		1.00	0.30	3.14	5.24	6.28	
	4.29		S5	C	Woodland, Grass, Fair	77	59	92	2.48	2.37	2.21	0.77	0.37	0.08		1.00	0.25	1.29	2.15	2.58	
	21.26		S5	D	Woodland, Grass, Fair	82	66	95	14.08	13.59	12.89	5.62	3.30	1.28		1.00	0.20	6.38	10.63	12.76	
	20.32		S6	A	Chaparral, Broadleaf, Fair	40	23	60	1.66	1.28	0.84	0.00	0.00	0.00		1.00	0.40	6.10	10.16	12.19	
	479.80		S6	C	Chaparral, Broadleaf, Fair	75	57	91	261.23	248.17	229.68	72.50	30.94	4.03		1.00	0.25	143.94	239.90	287.88	
	439.63		S6	D	Chaparral, Broadleaf, Fair	81	64	95	283.59	273.15	258.10	107.55	60.70	21.41		1.00	0.20	131.89	219.81	263.78	
	0.04		S6	A	Chaparral, Narrowleaf, Fair	55	35	75	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.01	0.02	0.02	
	66.38		S6	C	Chaparral, Narrowleaf, Fair	81	64	95	42.82	41.24	38.97	16.24	9.16	3.23		1.00					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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)				
								EV						HC								
								100	50	25	10	5	2	100	Storm Event (Year)				HC			
								AMC			P ₂₄ (Inches)										5.63	
								II	I	III	AMC 1/AMCII							All				
	154.64		S7	C	Chaparral, Broadleaf, Fair	75	57	91	84.20	79.99	74.03	23.37	9.97	1.30	1.00	0.25	46.39	77.32	92.79			
	650.67		S7	D	Chaparral, Broadleaf, Fair	81	64	95	419.73	404.27	381.99	159.18	89.84	31.69	1.00	0.20	195.20	325.33	390.40			
	1.62		S7	A	Chaparral, Narrowleaf, Fair	55	35	75	0.41	0.36	0.30	0.00	0.00	0.00	1.00	0.40	0.49	0.81	0.97			
	1.83		S7	B	Chaparral, Narrowleaf, Fair	72	53	89	0.91	0.86	0.78	0.21	0.07	0.00	1.00	0.30	0.55	0.92	1.10			
	119.57		S7	C	Chaparral, Narrowleaf, Fair	81	64	95	77.13	74.29	70.20	29.25	16.51	5.82	1.00	0.25	35.87	59.78	71.74			
	705.90		S7	D	Chaparral, Narrowleaf, Fair	86	72	97	517.49	503.71	483.56	250.00	166.73	85.80	1.00	0.20	211.77	352.95	423.54			
	6.15		S7	C	Grass, Annual or Perennial, Fair	79	62	93	3.76	3.60	3.38	1.29	0.67	0.19	1.00	0.25	1.85	3.08	3.69			
	8.08		S7	D	Grass, Annual or Perennial, Fair	84	69	96	5.64	5.46	5.21	2.48	1.55	0.70	1.00	0.20	2.42	4.04	4.85			
	15.59		S7	C	Open Brush, Fair	77	59	92	9.00	8.59	8.01	2.80	1.33	0.28	1.00	0.25	4.68	7.79	9.35			
	77.13		S7	D	Open Brush, Fair	83	67	96	52.44	50.72	48.24	21.98	13.34	5.62	1.00	0.20	23.14	38.56	46.28			
	2.83		S7	C	Public Park	69	50	86	1.49	1.41	1.32	1.15	0.86	0.59	0.85	0.25	0.72	1.20	1.44			
	4.53		S7	C	Residential 1 acre lots	69	50	86	2.50	2.39	2.24	1.98	1.54	1.13	0.80	0.25	1.09	1.81	2.17			
	23.54		S7	C	School	69	50	86	15.39	14.94	14.32	13.27	11.42	9.57	0.60	0.25	4.24	7.06	8.48			
	0.65		S7	D	School	75	57	91	0.46	0.45	0.44	0.41	0.35	0.30	0.60	0.20	0.12	0.20	0.24			
	10.99		S7	A	Woodland, Grass, Fair	44	26	64	1.33	1.09	0.79	0.00	0.00	0.00	1.00	0.40	3.30	5.50	6.59			
	27.31		S7	B	Woodland, Grass, Fair	65	45	83	10.63	9.82	8.72	1.14	0.08	0.00	1.00	0.30	8.19	13.66	16.39			
	66.03		S7	C	Woodland, Grass, Fair	77	59	92	38.12	36.39	33.92	11.84	5.64	1.18	1.00	0.25	19.81	33.01	39.62			
	83.68		S7	D	Woodland, Grass, Fair	82	66	95	55.43	53.50	50.72	22.13	12.97	5.03	1.00	0.20	25.10	41.84	50.21			
	2.17		S8	A	Chaparral, Broadleaf, Fair	40	23	60	0.18	0.14	0.09	0.00	0.00	0.00	1.00	0.40	0.65	1.08	1.30			
	62.77		S8	C	Chaparral, Broadleaf, Fair	75	57	91	34.18	32.47	30.05	9.48	4.05	0.53	1.00	0.25	18.83	31.39	37.66			
	828.83		S8	D	Chaparral, Broadleaf, Fair	81	64	95	534.66	514.96	486.59	202.77	114.44	40.37	1.00	0.20	248.65	414.41	497.30			
	4.58		S8	A	Chaparral, Narrowleaf, Fair	55	35	75	1.15	1.02	0.85	0.00	0.00	0.00	1.00	0.40	1.37	2.29	2.75			
	473.80		S8	C	Chaparral, Narrowleaf, Fair	81	64	95	305.64	294.38	278.16	115.91	65.42	23.08	1.00	0.25	142.14	236.90	284.28			
	380.43		S8	D	Chaparral, Narrowleaf, Fair	86	72	97	278.89	271.46	260.60	134.73	89.86	46.24	1.00	0.20	114.13	190.21	228.26			
	9.56		S8	A	Open Brush, Fair	46	28	66	1.36	1.14	0.86	0.00	0.00	0.00	1.00	0.40	2.87	4.78	5.74			
	98.44		S8	C	Open Brush, Fair	77	59	92	56.84	54.25	50.57	17.65	8.41	1.76	1.00	0.25	29.53	49.22	59.06			
	318.26		S8	D	Open Brush, Fair	83	67	96	216.36	209.29	199.04	90.71	55.05	23.18	1.00	0.20	95.48	159.13	190.95			
	14.99		S8	A	Woodland, Grass, Fair	44	26	64	1.81	1.48	1.08	0.00	0.00	0.00	1.00	0.40	4.50	7.50	9.00			
	21.60		S8	C	Woodland, Grass, Fair	77	59	92	12.47	11.91	11.10	3.87	1.85	0.39	1.00	0.25	6.48	10.80	12.96			
	53.83		S8	D	Woodland, Grass, Fair	82	66	95	35.65	34.42	32.63	14.24	8.34	3.24	1.00	0.20	16.15	26.91	32.30			
	0.97		S9	A	Chaparral, Broadleaf, Fair	40	23	60	0.08	0.06	0.04	0.00	0.00	0.00	1.00	0.40	0.29	0.48	0.58			
	5.45		S9	B	Chaparral, Broadleaf, Fair	63	43	81	1.96	1.80	1.58	0.16	0.00	0.00	1.00	0.30	1.63	2.72	3.27			
	476.00		S9	C	Chaparral, Broadleaf, Fair	75	57	91	259.16	246.20	227.86	71.92	30.70	4.00	1.00	0.25	142.80	238.00	285.60			
	240.06		S9	D	Chaparral, Broadleaf, Fair	81	64	95	154.86	149.15	140.93	58.73	33.15	11.69	1.00	0.20	72.02	120.03	144.03			
	1.16		S9	B	Chaparral, Narrowleaf, Fair	72	53	89	0.57	0.54	0.50	0.13	0.04	0.00	1.00	0.30	0.35	0.58	0.69			
	602.70		S9	C	Chaparral, Narrowleaf, Fair	81	64	95	388.79	374.47	353.83	147.45	83.22	29.35	1.00	0.25	180.81	301.35	361.62			
	212.84		S9	D	Chaparral, Narrowleaf, Fair	86	72	97	156.03	151.87	145.80	75.38	50.27	25.87	1.00	0.20	63.85	106.42	127.70			
	0.26		S9	A	Open Brush, Fair	46	28	66	0.04	0.03	0.02	0.00	0.00	0.00	1.00	0.40	0.08	0.13	0.16			
	0.06		S9	B	Open Brush, Fair	66	46	84	0.02	0.02	0.02	0.00	0.00	0.00	1.00	0.30	0.02	0.03	0.03			
	118.82		S9	C	Open Brush, Fair	77	59	92	68.61	65.49	61.05	21.31	10.15	2.12	1.00	0.25	35.65	59.41	71.29			
	74.36		S9	D	Open Brush, Fair	83	67	96	50.55	48.90	46.50	21.19	12.86	5.42	1.00	0.20	22.31	37.18	44.61			
	6.82		S9	D	Open Brush, Good	81	64	95	4.40	4.24	4.01	1.67	0.94	0.33	1.00	0.20	2.05	3.41	4.09			
	6.34		S9	A	Woodland, Grass, Fair	44	26	64	0.77	0.63	0.46	0.00	0.00	0.00	1.00	0.40	1.90	3.17	3.81			
	12.90		S9	B	Woodland, Grass, Fair	65	45	83	5.02	4.64	4.12	0.54	0.04	0.00	1.00	0.30	3.87	6.45	7.74			
	52.70		S9	C	Woodland, Grass, Fair	77	59	92	30.43	29.04	27.07	9.45	4.50	0.94	1.00	0.25	15.81	26.35	31.62			
	16.07		S9	D	Woodland, Grass, Fair	82	66	95	10.65	10.28	9.74	4.25	2.49	0.97	1.00	0.20	4.82	8.04	9.64			
	65.47		S10	A	Chaparral, Broadleaf, Fair	40	23	60	5.33	4.13	2.70	0.00	0.00	0.00	1.00	0.40	19.64	32.74	39.28			
	1.23		S10	B	Chaparral, Broadleaf, Fair	63	43	81	0.44	0.41	0.36	0.04	0.00	0.00	1.00	0.30	0.37	0.61	0.74			
	0.16		S10	C	Chaparral, Broadleaf, Fair	75	57	91	0.09	0.08	0.08	0.02	0.01	0.00	1.00	0.25	0.05	0.08	0.10			
	247.92		S10	D	Chaparral, Broadleaf, Fair	81	64	95	159.93	154.04	145.55	60.65	34.23	12.08	1.00	0.20	74.38	123.96	148.75			
	0.16		S10	A	Chaparral, Narrowleaf, Fair	55	35	75	0.04	0.04	0.03	0.00	0.00	0.00	1.00	0.40	0.05	0.08	0.09			
	0.11		S10	C	Chaparral, Narrowleaf, Fair	81	64	95	0.07	0.07	0.07	0.03	0.02	0.01	1.00	0.25	0.03	0.06	0.07			
	65.21		S10	D	Chaparral, Narrowleaf, Fair	86	72	97	47.80	46.53	44.67	23.09	15.40	7.93	1.00	0.20	19.56	32.60	39.13			
	5.06		S10	A	Open Brush, Fair	46	28	66	0.72	0.60	0.45	0.00	0.00	0.00	1.00	0.40	1.52	2.53	3.04			
	105.84		S10	D	Open Brush, Fair	83	67	96	71.96	69.60	66.19	30.17	18.31	7.71	1.00	0.20	31.75	52.92	63.51			
	2.32		S10	A	Open Brush, Good	41	24	61	0.21	0.17	0.11	0.00	0.00	0.00	1.00	0.40	0.70	1.16	1.39			
	0.27		S10	B	Open Brush, Good	63	43	81	0.10	0.09	0.08	0.01	0.00	0.00	1.00	0.30	0.08	0.14	0.16			
	155.88		S10	C	Open Brush, Good	75	57	91	84.87	80.63	74.62	23.55	10.05	1.31	1.00	0.25	46.76	77.94	93.53			
	158.20		S10	D	Open Brush, Good	81	64	95	102.05	98.29	92.88	38.70	21.84	7.71	1.00	0.20	47.46	79.10	94.92			
	0.39		S10	B	Public Park	56	36	76	0.14	0.13	0.12	0.10	0.07	0.05	0.85	0.30	0.10	0.16	0.20			
	9.13		S10	A	Residential 1 acre lots	32	17	52	1.91	1.83	1.76	1.72	1.67	1.60	0.80	0.40	2.19	3.65	4.38			
	9.22		S10	C	Residential 1 acre lots	69	50	86	5.08	4.86	4.55	4.04	3.15	2.29	0.80	0.25	2.21	3.69	4.42			
	2.19		S10	D	Residential 1 acre lots	75	57	91	1.38	1.33	1.26	1.14	0.91	0.68	0.80	0.20	0.53	0.88	1.05			
	42.63		S10	A	Woodland, Grass, Fair	44	26	64	5.15	4.22	3.07	0.00	0.00	0.00	1.00	0.40	12.79	21.31	25.58			
	7.03		S10	B	Woodland, Grass, Fair	65	45	83	2.74	2.53	2.24	0.29	0.02	0.00	1.00	0.30	2.11	3.52	4.22			
	3.27		S10	C	Woodland, Grass, Fair	77	59	92	1.89	1.80	1.68	0.59	0.28	0.06	1.00	0.25	0.98	1.64	1.96			
	52.18		S10	D	Woodland, Grass, Fair	82	66	95	34.56	33.36	31.62	13.80	8.09	3.14	1.00	0.20	15.65	26.09	31.31			
	5.11		S11	D	Barren	93	83	99	4.41	4.35	4.27	2.95	2.37	1.70	1.00	0.20	1.53	2.56	3.07			
	2.37		S11	C	Chaparral, Broadleaf, Fair	75	57	91	1.29	1.22	1.13	0.36	0.15	0.02	1.00	0.25	0.71	1.18	1.42			
	473.63		S11	D	Chaparral, Broadleaf, Fair	81																

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															

	22.90		S11	C	Chaparral, Narrowleaf, Fair	81	64	95	14.77	14.23	13.44	5.60	3.16	1.12		1.00	0.25	6.87	11.45	13.74	
	683.24		S11	D	Chaparral, Narrowleaf, Fair	86	72	97	500.88	487.54	468.04	241.97	161.38	83.04		1.00	0.20	204.97	341.62	409.94	
	9.74		S11	B	Grass, Annual or Perennial, Fair	69	50	86	4.38	4.09	3.70	0.77	0.18	0.00		1.00	0.30	2.92	4.87	5.85	
	13.55		S11	C	Grass, Annual or Perennial, Fair	79	62	93	8.28	7.94	7.45	2.84	1.48	0.42		1.00	0.25	4.07	6.78	8.13	
	0.86		S11	D	Grass, Annual or Perennial, Fair	84	69	96	0.60	0.58	0.56	0.26	0.17	0.07		1.00	0.20	0.26	0.43	0.52	
	9.65		S11	C	Open Brush, Fair	77	59	92	5.57	5.32	4.96	1.73	0.82	0.17		1.00	0.25	2.89	4.82	5.79	
	112.49		S11	D	Open Brush, Fair	83	67	96	76.48	73.98	70.35	32.06	19.46	8.19		1.00	0.20	33.75	56.25	67.50	
	1.41		S11	B	Public Park	56	36	76	0.52	0.48	0.44	0.37	0.26	0.19		0.85	0.30	0.36	0.60	0.72	
	5.39		S11	C	Public Park	69	50	86	2.83	2.70	2.51	2.19	1.64	1.13		0.85	0.25	1.37	2.29	2.75	
	1.78		S11	D	Public Park	75	57	91	1.08	1.04	0.98	0.88	0.69	0.49		0.85	0.20	0.45	0.76	0.91	
	0.27		S11	C	Woodland, Fair	73	55	89	0.14	0.13	0.12	0.03	0.01	0.00		1.00	0.25	0.08	0.14	0.16	
	45.10		S11	D	Woodland, Fair	79	62	93	27.55	26.42	24.80	9.45	4.92	1.39		1.00	0.20	13.53	22.55	27.06	
	13.34		S11	B	Woodland, Grass, Fair	65	45	83	5.19	4.80	4.26	0.56	0.04	0.00		1.00	0.30	4.00	6.67	8.00	
	61.25		S11	C	Woodland, Grass, Fair	77	59	92	35.37	33.76	31.47	10.99	5.23	1.09		1.00	0.25	18.38	30.63	36.75	
	24.56		S11	D	Woodland, Grass, Fair	82	66	95	16.27	15.70	14.89	6.50	3.81	1.48		1.00	0.20	7.37	12.28	14.74	
	17.17		S12	A	Chaparral, Broadleaf, Fair	40	23	60	1.40	1.08	0.71	0.00	0.00	0.00		1.00	0.40	5.15	8.58	10.30	
	306.06		S12	C	Chaparral, Broadleaf, Fair	75	57	91	166.64	158.31	146.51	46.25	19.74	2.57		1.00	0.25	91.82	153.03	183.64	
	487.33		S12	D	Chaparral, Broadleaf, Fair	81	64	95	314.37	302.79	286.11	119.22	67.29	23.74		1.00	0.20	146.20	243.67	292.40	
	12.40		S12	A	Chaparral, Narrowleaf, Fair	55	35	75	3.10	2.76	2.30	0.01	0.00	0.00		1.00	0.40	3.72	6.20	7.44	
	68.72		S12	C	Chaparral, Narrowleaf, Fair	81	64	95	44.33	42.70	40.34	16.81	9.49	3.35		1.00	0.25	20.62	34.36	41.23	
	724.53		S12	D	Chaparral, Narrowleaf, Fair	86	72	97	531.15	517.00	496.32	256.60	171.13	88.06		1.00	0.20	217.36	362.26	434.72	
	7.07		S12	A	Open Brush, Fair	46	28	66	1.01	0.84	0.63	0.00	0.00	0.00		1.00	0.40	2.12	3.54	4.24	
	0.89		S12	C	Open Brush, Fair	77	59	92	0.51	0.49	0.46	0.16	0.08	0.02		1.00	0.25	0.27	0.45	0.53	
	407.66		S12	D	Open Brush, Fair	83	67	96	277.14	268.08	254.96	116.20	70.52	29.70		1.00	0.20	122.30	203.83	244.60	
	0.26		S12	C	Public Park	69	50	86	0.14	0.13	0.12	0.10	0.08	0.05		0.85	0.25	0.07	0.11	0.13	
	0.00		S12	D	Public Park	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.85	0.20	0.00	0.00	0.00	
	6.85		S12	A	Woodland, Grass, Fair	44	26	64	0.83	0.68	0.49	0.00	0.00	0.00		1.00	0.40	2.06	3.43	4.11	
	22.97		S12	B	Woodland, Grass, Fair	65	45	83	8.94	8.26	7.33	0.96	0.07	0.00		1.00	0.30	6.89	11.48	13.78	
	248.53		S12	C	Woodland, Grass, Fair	77	59	92	143.50	136.97	127.68	44.57	21.24	4.43		1.00	0.25	74.56	124.27	149.12	
	60.03		S12	D	Woodland, Grass, Fair	82	66	95	39.76	38.38	36.38	15.88	9.31	3.61		1.00	0.20	18.01	30.02	36.02	
	15.97		S13	A	Chaparral, Broadleaf, Fair	40	23	60	1.30	1.01	0.66	0.00	0.00	0.00		1.00	0.40	4.79	7.98	9.58	
	7.05		S13	B	Chaparral, Broadleaf, Fair	63	43	81	2.54	2.33	2.05	0.21	0.00	0.00		1.00	0.30	2.11	3.52	4.23	
	645.40		S13	C	Chaparral, Broadleaf, Fair	75	57	91	351.39	333.82	308.96	97.52	41.62	5.42		1.00	0.25	193.62	322.70	387.24	
	120.49		S13	D	Chaparral, Broadleaf, Fair	81	64	95	77.72	74.86	70.73	29.48	16.64	5.87		1.00	0.20	36.15	60.24	72.29	
	25.50		S13	A	Chaparral, Narrowleaf, Fair	55	35	75	6.38	5.67	4.73	0.02	0.00	0.00		1.00	0.40	7.65	12.75	15.30	
	11.66		S13	B	Chaparral, Narrowleaf, Fair	72	53	89	5.79	5.46	4.99	1.31	0.45	0.01		1.00	0.30	3.50	5.83	7.00	
	497.07		S13	C	Chaparral, Narrowleaf, Fair	81	64	95	320.65	308.84	291.82	121.61	68.63	24.21		1.00	0.25	149.12	248.53	298.24	
	451.84		S13	D	Chaparral, Narrowleaf, Fair	86	72	97	331.24	322.42	309.52	160.02	106.73	54.92		1.00	0.20	135.55	225.92	271.11	
	4.19		S13	A	Open Brush, Fair	46	28	66	0.60	0.50	0.38	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52	
	1.00		S13	B	Open Brush, Fair	66	46	84	0.40	0.37	0.33	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60	
	104.58		S13	C	Open Brush, Fair	77	59	92	60.38	57.64	53.73	18.76	8.94	1.86		1.00	0.25	31.37	52.29	62.75	
	161.75		S13	D	Open Brush, Fair	83	67	96	109.96	106.37	101.16	46.10	27.98	11.78		1.00	0.20	48.52	80.87	97.05	
	0.22		S13	A	Open Brush, Good	41	24	61	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13	
	0.06		S13	B	Open Brush, Good	63	43	81	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04	
	51.44		S13	C	Open Brush, Good	75	57	91	28.01	26.61	24.62	7.77	3.32	0.43		1.00	0.25	15.43	25.72	30.86	
	0.09		S13	D	Open Brush, Good	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06	
	5.18		S13	A	Public Park	32	17	52	0.84	0.79	0.75	0.73	0.71	0.68		0.85	0.40	1.32	2.20	2.64	
	2.52		S13	B	Public Park	56	36	76	0.93	0.86	0.78	0.65	0.47	0.34		0.85	0.30	0.64	1.07	1.28	
	0.28		S13	D	Public Park	75	57	91	0.17	0.16	0.15	0.14	0.11	0.08		0.85	0.20	0.07	0.12	0.14	
	24.00		S13	A	Residential 1 acre lots	32	17	52	5.02	4.82	4.63	4.52	4.40	4.22		0.80	0.40	5.76	9.60	11.52	
	3.86		S13	B	Residential 1 acre lots	56	36	76	1.55	1.46	1.34	1.16	0.88	0.70		0.80	0.30	0.93	1.54	1.85	
	9.01		S13	C	Residential 1 acre lots	69	50	86	4.97	4.75	4.45	3.95	3.07	2.24		0.80	0.25	2.16	3.60	4.32	
	36.94		S13	A	Woodland, Grass, Fair	44	26	64	4.46	3.66	2.66	0.00	0.00	0.00		1.00	0.40	11.08	18.47	22.17	
	12.05		S13	B	Woodland, Grass, Fair	65	45	83	4.69	4.33	3.85	0.50	0.03	0.00		1.00	0.30	3.61	6.02	7.23	
	24.51		S13	C	Woodland, Grass, Fair	77	59	92	14.15	13.51	12.59	4.40	2.09	0.44		1.00	0.25	7.35	12.25	14.70	
	7.65		S13	D	Woodland, Grass, Fair	82	66	95	5.07	4.89	4.64	2.02	1.19	0.46		1.00	0.20	2.29	3.82	4.59	
	21.26		S14	A	Chaparral, Broadleaf, Fair	40	23	60	1.73	1.34	0.88	0.00	0.00	0.00		1.00	0.40	6.38	10.63	12.75	
	367.70		S14	C	Chaparral, Broadleaf, Fair	75	57	91	200.19	190.19	176.02	55.56	23.71	3.09		1.00	0.25	110.31	183.85	220.62	
	287.86		S14	D	Chaparral, Broadleaf, Fair	81	64	95	185.69	178.85	169.00	70.42	39.75	14.02		1.00	0.20	86.36	143.93	172.72	
	14.04		S14	A	Chaparral, Narrowleaf, Fair	55	35	75	3.51	3.12	2.61	0.01	0.00	0.00		1.00	0.40	4.21	7.02	8.43	
	0.02		S14	B	Chaparral, Narrowleaf, Fair	72	53	89	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.00	0.01	0.01	
	174.85		S14	C	Chaparral, Narrowleaf, Fair	81	64	95	112.79	108.64	102.65	42.78	24.14	8.52		1.00	0.25	52.46	87.43	104.91	
	279.25		S14	D	Chaparral, Narrowleaf, Fair	86	72	97	204.72	199.27	191.30	98.90	65.96	33.94		1.00	0.20	83.78	139.63	167.55	
	9.00		S14	C	Grass, Annual or Perennial, Fair	79	62	93	2.44	2.34	2.20	0.84	0.44	0.12		1.00	0.25	1.20			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCH														
	0.33		S17	D	Woodland, Grass, Fair	82	66	95	0.22	0.21	0.20	0.09	0.05	0.02		1.00	0.20	0.10	0.17	0.20			
	6.56		S18	C	Chaparral, Broadleaf, Fair	75	57	91	3.57	3.39	3.14	0.99	0.42	0.06		1.00	0.25	1.97	3.28	3.93			
	0.00		S18	A	Chaparral, Narrowleaf, Fair	55	35	75	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00			
	2.82		S18	B	Chaparral, Narrowleaf, Fair	72	53	89	1.40	1.32	1.21	0.32	0.11	0.00		1.00	0.30	0.85	1.41	1.69			
	0.87		S18	C	Chaparral, Narrowleaf, Fair	81	64	95	0.56	0.54	0.51	0.21	0.12	0.04		1.00	0.25	0.26	0.44	0.52			
	19.41		S18	D	Chaparral, Narrowleaf, Fair	86	72	97	14.23	13.85	13.30	6.87	4.59	2.36		1.00	0.20	5.82	9.71	11.65			
	20.11		S18	A	Grass, Annual or Perennial, Fair	50	31	70	3.78	3.27	2.60	0.00	0.00	0.00		1.00	0.40	6.03	10.06	12.07			
	5.15		S18	B	Grass, Annual or Perennial, Fair	69	50	86	2.31	2.16	1.96	0.41	0.10	0.00		1.00	0.30	1.54	2.57	3.09			
	10.11		S18	C	Grass, Annual or Perennial, Fair	79	62	93	6.17	5.92	5.56	2.12	1.10	0.31		1.00	0.25	3.03	5.05	6.06			
	109.43		S18	D	Grass, Annual or Perennial, Fair	84	69	96	76.32	73.98	70.58	33.51	21.01	9.51		1.00	0.20	32.83	54.71	65.66			
	117.51		S18	A	Open Brush, Fair	46	28	66	16.70	13.98	10.54	0.00	0.00	0.00		1.00	0.40	35.25	58.75	70.50			
	59.26		S18	B	Open Brush, Fair	66	46	84	23.93	22.19	19.79	2.97	0.33	0.00		1.00	0.30	17.78	29.63	35.56			
	411.61		S18	C	Open Brush, Fair	77	59	92	237.66	226.85	211.47	73.82	35.17	7.34		1.00	0.25	123.48	205.81	246.97			
	146.66		S18	D	Open Brush, Fair	83	67	96	99.71	96.45	91.72	41.80	25.37	10.68		1.00	0.20	44.00	73.33	88.00			
	0.76		S18	A	Residential 5-7 dwellings/acre	32	17	52	0.37	0.37	0.36	0.36	0.35	0.33		0.50	0.40	0.11	0.19	0.23			
	48.45		S18	A	Woodland, Grass, Fair	44	26	64	5.85	4.80	3.49	0.00	0.00	0.00		1.00	0.40	14.54	24.23	29.07			
	14.00		S18	B	Woodland, Grass, Fair	65	45	83	5.45	5.03	4.47	0.59	0.04	0.00		1.00	0.30	4.20	7.00	8.40			
	17.16		S18	C	Woodland, Grass, Fair	77	59	92	9.91	9.46	8.81	3.08	1.47	0.31		1.00	0.25	5.15	8.58	10.29			
	37.74		S18	D	Woodland, Grass, Fair	82	66	95	25.00	24.13	22.87	9.98	5.85	2.27		1.00	0.20	11.32	18.87	22.64			
11927	4.4		s19	A	Residential 5-7 dwellings/acre	32	17	52	2.16	2.13	2.10	2.07	2.02	1.93		0.50	0.40	0.66	1.10	1.32			
11927	23.2		s19	A	Grass, Annual or Perennial, Fair	50	31	70	4.36	3.77	3.00	0.00	0.00	0.00		1.00	0.40	6.96	11.60	13.92			
11927	47.6		s19	A	Chaparral, Broadleaf, Fair	40	23	60	3.88	3.00	1.96	0.00	0.00	0.00		1.00	0.40	14.28	23.80	28.56			
11927	47.9		s19	A	Woodland, Grass, Fair	44	26	64	5.78	4.74	3.45	0.00	0.00	0.00		1.00	0.40	14.37	23.95	28.74			
11927	170.2		s19	A	Open Brush, Fair	46	28	66	24.19	20.25	15.27	0.00	0.00	0.00		1.00	0.40	51.06	85.10	102.12			
11927	4.2		s19	B	Grass, Annual or Perennial, Fair	69	50	86	1.89	1.77	1.60	0.33	0.08	0.00		1.00	0.30	1.26	2.10	2.52			
11927	6.7		s19	B	Chaparral, Broadleaf, Fair	63	43	81	2.41	2.21	1.95	0.20	0.00	0.00		1.00	0.30	2.01	3.35	4.02			
11927	13.9		s19	B	Open Brush, Fair	66	46	84	5.61	5.21	4.64	0.70	0.08	0.00		1.00	0.30	4.17	6.95	8.34			
11927	15.8		s19	B	Woodland, Grass, Fair	65	45	83	6.15	5.68	5.04	0.66	0.05	0.00		1.00	0.30	4.74	7.90	9.48			
11927	0.5		s19	C	Barren	91	80	98	0.41	0.41	0.40	0.25	0.19	0.13		1.00	0.25	0.15	0.25	0.30			
11927	53.3		s19	C	Chaparral, Narrowleaf, Fair	81	64	95	34.38	33.12	31.29	13.04	7.36	2.60		1.00	0.25	15.99	26.65	31.98			
11927	77.7		s19	C	Residential 2.5 acre lots	69	50	86	38.88	36.82	33.95	29.16	20.94	13.20		0.90	0.25	20.98	34.97	41.96			
11927	87.9		s19	C	Grass, Annual or Perennial, Fair	79	62	93	53.70	51.49	48.33	18.42	9.60	2.70		1.00	0.25	26.37	43.95	52.74			
11927	174.3		s19	C	Woodland, Grass, Fair	77	59	92	100.64	96.06	89.55	31.26	14.89	3.11		1.00	0.25	52.29	87.15	104.58			
11927	636.1		s19	C	Chaparral, Broadleaf, Fair	75	57	91	346.33	329.01	304.50	96.12	41.03	5.34		1.00	0.25	190.83	318.05	381.66			
11927	1061.1		s19	C	Open Brush, Fair	77	59	92	612.66	584.81	545.14	190.30	90.67	18.92		1.00	0.25	318.33	530.55	636.66			
11927	0.1		s19	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.06			
11927	10		s19	D	Woodland, Grass, Fair	82	66	95	6.62	6.39	6.06	2.64	1.55	0.60		1.00	0.20	3.00	5.00	6.00			
11927	68.8		s19	D	Grass, Annual or Perennial, Fair	84	69	96	47.98	46.51	44.38	21.07	13.21	5.98		1.00	0.20	20.64	34.40	41.28			
11927	143.4		s19	D	Chaparral, Narrowleaf, Fair	86	72	97	105.13	102.33	98.23	50.79	33.87	17.43		1.00	0.20	43.02	71.70	86.04			
11927	295.1		s19	D	Open Brush, Fair	83	67	96	200.62	194.06	184.56	84.11	51.05	21.50		1.00	0.20	88.53	147.55	177.06			
11927	399.8		s19	D	Chaparral, Broadleaf, Fair	81	64	95	257.90	248.40	234.72	97.81	55.20	19.47		1.00	0.20	119.94	199.90	239.88			
	3.13		S20	A	Chaparral, Broadleaf, Fair	40	23	60	0.25	0.20	0.13	0.00	0.00	0.00		1.00	0.40	0.94	1.56	1.88			
	156.82		S20	C	Chaparral, Broadleaf, Fair	75	57	91	85.38	81.11	75.07	23.70	10.11	1.32		1.00	0.25	47.05	78.41	94.09			
	368.60		S20	D	Chaparral, Broadleaf, Fair	81	64	95	237.78	229.02	216.40	90.18	50.89	17.95		1.00	0.20	110.58	184.30	221.16			
	0.22		S20	A	Chaparral, Narrowleaf, Fair	55	35	75	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.07	0.11	0.13			
	92.39		S20	C	Chaparral, Narrowleaf, Fair	81	64	95	59.60	57.40	54.24	22.60	12.76	4.50		1.00	0.25	27.72	46.19	55.43			
	852.18		S20	D	Chaparral, Narrowleaf, Fair	86	72	97	624.73	608.10	583.76	301.81	201.29	103.58		1.00	0.20	255.65	426.09	511.31			
	0.66		S20	A	Open Brush, Fair	46	28	66	0.09	0.08	0.06	0.00	0.00	0.00		1.00	0.40	0.20	0.33	0.40			
	17.20		S20	C	Open Brush, Fair	77	59	92	9.93	9.48	8.84	3.09	1.47	0.31		1.00	0.25	5.16	8.60	10.32			
	269.04		S20	D	Open Brush, Fair	83	67	96	182.90	176.93	168.26	76.69	46.54	19.60		1.00	0.20	80.71	134.52	161.43			
	10.84		S20	C	Woodland, Fair	73	55	89	5.55	5.25	4.82	1.35	0.50	0.03		1.00	0.25	3.25	5.42	6.50			
	23.85		S20	D	Woodland, Fair	79	62	93	14.57	13.97	13.11	5.00	2.60	0.73		1.00	0.20	7.16	11.93	14.31			
	9.34		S20	A	Woodland, Grass, Fair	44	26	64	1.13	0.93	0.67	0.00	0.00	0.00		1.00	0.40	2.80	4.67	5.61			
	25.73		S20	C	Woodland, Grass, Fair	77	59	92	14.86	14.18	13.22	4.61	2.20	0.46		1.00	0.25	7.72	12.87	15.44			
	83.67		S20	D	Woodland, Grass, Fair	82	66	95	55.42	53.49	50.71	22.13	12.97	5.03		1.00	0.20	25.10	41.83	50.20			
	4.21		S21	A	Chaparral, Broadleaf, Fair	40	23	60	0.34	0.27	0.17	0.00	0.00	0.00		1.00	0.40	1.26	2.10	2.52			
	127.31		S21	C	Chaparral, Broadleaf, Fair	75	57	91	69.32	65.85	60.95	19.24	8.21	1.07		1.00	0.25	38.19	63.66	76.39			
	434.86		S21	D	Chaparral, Broadleaf, Fair	81	64	95	280.52	270.19	255.30	106.39	60.04	21.18		1.00	0.20	130.46	217.43	260.92			
	3.55		S21	A	Chaparral, Narrowleaf, Fair	55	35	75	0.89	0.79	0.66	0.00	0.00	0.00		1.00	0.40	1.07	1.78	2.13			
	15.70		S21	C	Chaparral, Narrowleaf, Fair	81	64	95	10.13	9.75	9.22	3.84	2.17	0.76		1.00	0.25	41					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III						AMC 1/AMCII	5.63								

	2.82		S22	B	Chaparral, Broadleaf, Fair	63	43	81	1.01	0.93	0.82	0.08	0.00	0.00		1.00	0.30	0.84	1.41	1.69	
	393.29		S22	C	Chaparral, Broadleaf, Fair	75	57	91	214.13	203.42	188.27	59.43	25.37	3.30		1.00	0.25	117.99	196.64	235.97	
	179.87		S22	D	Chaparral, Broadleaf, Fair	81	64	95	116.03	111.76	105.60	44.01	24.84	8.76		1.00	0.20	53.96	89.94	107.92	
	0.08		S22	A	Chaparral, Narrowleaf, Fair	55	35	75	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.05	
	121.85		S22	C	Chaparral, Narrowleaf, Fair	81	64	95	78.60	75.71	71.54	29.81	16.82	5.93		1.00	0.25	36.56	60.93	73.11	
	144.00		S22	D	Chaparral, Narrowleaf, Fair	86	72	97	105.57	102.75	98.64	51.00	34.01	17.50		1.00	0.20	43.20	72.00	86.40	
	2.33		S22	B	Commercial, Industrial	56	36	76	2.07	2.06	2.04	2.00	1.93	1.84		0.10	0.30	0.07	0.12	0.14	
	2.24		S22	C	Commercial, Industrial	69	50	86	2.04	2.02	2.00	1.97	1.89	1.80		0.10	0.25	0.07	0.11	0.13	
	2.22		S22	D	Commercial, Industrial	75	57	91	2.04	2.03	2.01	1.97	1.90	1.80		0.10	0.20	0.07	0.11	0.13	
	4.94		S22	A	Grass, Annual or Perennial, Fair	50	31	70	0.93	0.80	0.64	0.00	0.00	0.00		1.00	0.40	1.48	2.47	2.97	
	15.92		S22	B	Grass, Annual or Perennial, Fair	69	50	86	7.15	6.69	6.05	1.25	0.29	0.00		1.00	0.30	4.78	7.96	9.55	
	56.74		S22	C	Grass, Annual or Perennial, Fair	79	62	93	34.67	33.24	31.20	11.89	6.20	1.74		1.00	0.25	17.02	28.37	34.05	
	301.98		S22	D	Grass, Annual or Perennial, Fair	84	69	96	210.61	204.16	194.77	92.49	57.97	26.23		1.00	0.20	90.59	150.99	181.19	
	42.78		S22	A	Open Brush, Fair	46	28	66	6.08	5.09	3.84	0.00	0.00	0.00		1.00	0.40	12.84	21.39	25.67	
	14.27		S22	B	Open Brush, Fair	66	46	84	5.76	5.34	4.77	0.72	0.08	0.00		1.00	0.30	4.28	7.13	8.56	
	483.19		S22	C	Open Brush, Fair	77	59	92	278.99	266.30	248.24	86.66	41.29	8.62		1.00	0.25	144.96	241.59	289.91	
	756.78		S22	D	Open Brush, Fair	83	67	96	514.48	497.67	473.30	215.71	130.91	55.13		1.00	0.20	227.03	378.39	454.07	
	4.36		S22	B	Public Park	56	36	76	1.60	1.50	1.35	1.13	0.81	0.60		0.85	0.30	1.11	1.85	2.22	
	55.87		S22	C	Public Park	69	50	86	29.39	27.98	26.01	22.72	17.06	11.70		0.85	0.25	14.25	23.75	28.50	
	83.63		S22	D	Public Park	75	57	91	50.75	48.77	45.96	41.12	32.29	23.05		0.85	0.20	21.33	35.54	42.65	
	1.75		S22	C	Residential 2 dwellings/acre	69	50	86	1.05	1.02	0.96	0.88	0.72	0.57		0.70	0.25	0.37	0.61	0.73	
	1.81		S22	D	Residential 2 dwellings/acre	75	57	91	1.21	1.17	1.12	1.03	0.87	0.69		0.70	0.20	0.38	0.63	0.76	
	34.00		S22	B	Residential 3-4 dwellings/acre	56	36	76	18.43	17.81	16.97	15.65	13.62	12.07		0.60	0.30	6.12	10.20	12.24	
	9.18		S22	C	Residential 3-4 dwellings/acre	69	50	86	6.00	5.83	5.58	5.17	4.45	3.73		0.60	0.25	1.65	2.75	3.30	
	87.11		S22	D	Residential 3-4 dwellings/acre	75	57	91	61.91	60.36	58.16	54.33	47.22	39.48		0.60	0.20	15.68	26.13	31.36	
	35.58		S22	B	Residential 5-7 dwellings/acre	56	36	76	21.76	21.20	20.44	19.22	17.31	15.74		0.50	0.30	5.34	8.90	10.67	
	115.58		S22	C	Residential 5-7 dwellings/acre	69	50	86	81.44	79.56	76.91	72.41	64.38	56.08		0.50	0.25	17.34	28.89	34.67	
	173.99		S22	D	Residential 5-7 dwellings/acre	75	57	91	130.88	128.20	124.38	117.71	105.18	91.22		0.50	0.20	26.10	43.50	52.20	
	18.54		S22	B	Turf, Good	58	38	77	5.38	4.84	4.13	3.01	1.35	0.22		1.00	0.30	5.56	9.27	11.12	
	96.29		S22	C	Turf, Good	72	53	89	47.78	45.05	41.22	34.74	23.35	12.20		1.00	0.25	28.89	48.14	57.77	
	50.29		S22	D	Turf, Good	79	62	93	30.73	29.46	27.65	24.48	18.52	11.97		1.00	0.20	15.09	25.15	30.18	
	0.24		S22	D	Turf, Good	79	62	93	0.15	0.14	0.13	0.12	0.09	0.06		1.00	0.20	0.07	0.12	0.14	
	6.37		S22	B	Water	98	95	100	6.11	6.09	6.06	5.99	5.84	5.60		0.00	0.30	0.00	0.00	0.00	
	13.17		S22	C	Water	98	95	100	12.65	12.60	12.53	12.39	12.07	11.58		0.00	0.25	0.00	0.00	0.00	
	4.04		S22	D	Water	98	95	100	3.88	3.87	3.85	3.80	3.71	3.56		0.00	0.20	0.00	0.00	0.00	
	111.58		S22	A	Woodland, Grass, Fair	44	26	64	13.47	11.05	8.03	0.00	0.00	0.00		1.00	0.40	33.47	55.79	66.95	
	10.81		S22	B	Woodland, Grass, Fair	65	45	83	4.20	3.89	3.45	0.45	0.03	0.00		1.00	0.30	3.24	5.40	6.48	
	116.11		S22	C	Woodland, Grass, Fair	77	59	92	67.04	63.99	59.65	20.82	9.92	2.07		1.00	0.25	34.83	58.05	69.66	
	182.56		S22	D	Woodland, Grass, Fair	82	66	95	120.92	116.72	110.65	48.29	28.30	10.98		1.00	0.20	54.77	91.28	109.54	
	9.49		S23	A	Chaparral, Broadleaf, Fair	40	23	60	0.77	0.60	0.39	0.00	0.00	0.00		1.00	0.40	2.85	4.75	5.69	
	40.94		S23	C	Chaparral, Broadleaf, Fair	75	57	91	22.29	21.18	19.60	6.19	2.64	0.34		1.00	0.25	12.28	20.47	24.56	
	3.64		S23	D	Chaparral, Broadleaf, Fair	81	64	95	2.35	2.26	2.14	0.89	0.50	0.18		1.00	0.20	1.09	1.82	2.18	
	4.78		S23	A	Grass, Annual or Perennial, Fair	50	31	70	0.90	0.78	0.62	0.00	0.00	0.00		1.00	0.40	1.43	2.39	2.87	
	3.71		S23	B	Grass, Annual or Perennial, Fair	69	50	86	1.67	1.56	1.41	0.29	0.07	0.00		1.00	0.30	1.11	1.85	2.22	
	67.78		S23	C	Grass, Annual or Perennial, Fair	79	62	93	41.41	39.71	37.27	14.21	7.40	2.08		1.00	0.25	20.33	33.89	40.67	
	228.76		S23	D	Grass, Annual or Perennial, Fair	84	69	96	159.54	154.65	147.55	70.06	43.91	19.87		1.00	0.20	68.63	114.38	137.25	
	16.32		S23	A	Open Brush, Fair	46	28	66	2.32	1.94	1.46	0.00	0.00	0.00		1.00	0.40	4.90	8.16	9.79	
	27.24		S23	B	Open Brush, Fair	66	46	84	11.00	10.20	9.10	1.37	0.15	0.00		1.00	0.30	8.17	13.62	16.35	
	492.24		S23	C	Open Brush, Fair	77	59	92	284.21	271.29	252.89	88.28	42.06	8.78		1.00	0.25	147.67	246.12	295.34	
	351.19		S23	D	Open Brush, Fair	83	67	96	238.75	230.94	219.63	100.10	60.75	25.58		1.00	0.20	105.36	175.59	210.71	
	0.08		S23	D	Public Park	75	57	91	0.05	0.04	0.04	0.04	0.03	0.02		0.85	0.20	0.02	0.03	0.04	
	1.08		S23	C	Residential 3-4 dwellings/acre	69	50	86	0.71	0.69	0.66	0.61	0.52	0.44		0.60	0.25	0.19	0.32	0.39	
	0.00		S23	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00	
	142.11		S23	A	Woodland, Grass, Fair	44	26	64	17.16	14.07	10.23	0.00	0.00	0.00		1.00	0.40	42.63	71.05	85.26	
	6.84		S23	B	Woodland, Grass, Fair	65	45	83	2.66	2.46	2.18	0.29	0.02	0.00		1.00	0.30	2.05	3.42	4.10	
	139.99		S23	C	Woodland, Grass, Fair	77	59	92	80.83	77.16	71.92	25.11	11.96	2.50		1.00	0.25	42.00	70.00	84.00	
	47.57		S23	D	Woodland, Grass, Fair	82	66	95	31.51	30.41	28.83	12.58	7.37	2.86		1.00	0.20	14.27	23.78	28.54	
	13.09		S24	A	Chaparral, Broadleaf, Fair	40	23	60	1.07	0.83	0.54	0.00	0.00	0.00		1.00	0.40	3.93	6.55	7.85	
	276.29		S24	C	Chaparral, Broadleaf, Fair	75	57	91	150.42	142.90	132.26	41.75	17.82	2.32		1.00	0.25	82.89	138.14	165.77	
	147.05		S24	D	Chaparral, Broadleaf, Fair	81	64	95	94.86	91.37	86.33	35.98	20.30	7.16		1.00	0.20	44.12	73.53	88.23	
	6.85		S24	B	Chaparral, Narrowleaf, Fair	72	53	89	3.40	3.21	2.93	0.77	0.26	0.01		1.00	0.30	2.06	3.43	4.11	
	97.55		S24	C	Chaparral, Narrowleaf, Fair	81	64	95	62.93	60.61	57.27	23.87	13.47	4.75		1.00	0.25	29.27	48.78	58.53	
	5.72		S24	D	Chaparral, Narrowleaf, Fair	86	72	97	4.19	4.08	3.92	2.03	1.35	0.70		1.00	0.20	1.72	2.86	3.43	
	0.39		S24	A	Grass, Annual or Perennial, Fair	50	31	70													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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)						
								EV						HC												
								100	50	25	10	5	2	100	Storm Event (Year)											
						AMC			P ₂₄ (Inches)											EV					HC	
						II	I	III	AMC 1/AMCII											5.63	> 5	5	2	All		
	491.04		S24	D	Open Brush, Fair	83	67	96	333.82	322.91	307.10	139.96	84.94	35.77		1.00	0.20	147.31	245.52	294.62						
	103.80		S24	A	Woodland, Grass, Fair	44	26	64	12.53	10.28	7.47	0.00	0.00	0.00		1.00	0.40	31.14	51.90	62.28						
	3.00		S24	B	Woodland, Grass, Fair	65	45	83	1.17	1.08	0.96	0.13	0.01	0.00		1.00	0.30	0.90	1.50	1.80						
	103.45		S24	C	Woodland, Grass, Fair	77	59	92	59.73	57.02	53.15	18.55	8.84	1.84		1.00	0.25	31.04	51.73	62.07						
	80.24		S24	D	Woodland, Grass, Fair	82	66	95	53.15	51.30	48.63	21.22	12.44	4.83		1.00	0.20	24.07	40.12	48.14						
	0.38		S25	A	Chaparral, Broadleaf, Fair	40	23	60	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.11	0.19	0.23						
	10.79		S25	B	Chaparral, Broadleaf, Fair	63	43	81	3.88	3.56	3.13	0.32	0.00	0.00		1.00	0.30	3.24	5.39	6.47						
	180.22		S25	C	Chaparral, Broadleaf, Fair	75	57	91	98.12	93.22	86.27	27.23	11.62	1.51		1.00	0.25	54.07	90.11	108.13						
	52.57		S25	D	Chaparral, Broadleaf, Fair	81	64	95	33.91	32.67	30.87	12.86	7.26	2.56		1.00	0.20	15.77	26.29	31.54						
	7.58		S25	B	Chaparral, Narrowleaf, Fair	72	53	89	3.76	3.55	3.25	0.85	0.29	0.01		1.00	0.30	2.27	3.79	4.55						
	94.15		S25	C	Chaparral, Narrowleaf, Fair	81	64	95	60.74	58.50	55.28	23.03	13.00	4.59		1.00	0.25	28.25	47.08	56.49						
	99.70		S25	D	Chaparral, Narrowleaf, Fair	86	72	97	73.09	71.15	68.30	35.31	23.55	12.12		1.00	0.20	29.91	49.85	59.82						
	5.79		S25	A	Grass, Annual or Perennial, Fair	50	31	70	1.09	0.94	0.75	0.00	0.00	0.00		1.00	0.40	1.74	2.90	3.48						
	16.90		S25	B	Grass, Annual or Perennial, Fair	69	50	86	7.60	7.10	6.42	1.33	0.31	0.00		1.00	0.30	5.07	8.45	10.14						
	11.07		S25	C	Grass, Annual or Perennial, Fair	79	62	93	6.76	6.48	6.09	2.32	1.21	0.34		1.00	0.25	3.32	5.53	6.64						
	114.48		S25	D	Grass, Annual or Perennial, Fair	84	69	96	79.84	77.39	73.84	35.06	21.98	9.94		1.00	0.20	34.34	57.24	68.69						
	94.58		S25	A	Open Brush, Fair	46	28	66	13.45	11.25	8.48	0.00	0.00	0.00		1.00	0.40	28.38	47.29	56.75						
	159.36		S25	B	Open Brush, Fair	66	46	84	64.37	59.68	53.22	7.99	0.89	0.00		1.00	0.30	47.81	79.68	95.61						
	612.94		S25	C	Open Brush, Fair	77	59	92	353.91	337.81	314.90	109.93	52.37	10.93		1.00	0.25	183.88	306.47	367.77						
	479.25		S25	D	Open Brush, Fair	83	67	96	325.81	315.16	299.73	136.60	82.90	34.91		1.00	0.20	143.78	239.63	287.55						
	33.85		S25	A	Public Park	32	17	52	5.48	5.20	4.92	4.78	4.65	4.47		0.85	0.40	8.63	14.39	17.27						
	7.86		S25	B	Public Park	56	36	76	2.89	2.70	2.44	2.04	1.46	1.07		0.85	0.30	2.00	3.34	4.01						
	3.30		S25	C	Public Park	69	50	86	1.74	1.65	1.54	1.34	1.01	0.69		0.85	0.25	0.84	1.40	1.68						
	2.46		S25	D	Public Park	75	57	91	1.50	1.44	1.35	1.21	0.95	0.68		0.85	0.20	0.63	1.05	1.26						
	173.60		S25	A	Woodland, Grass, Fair	44	26	64	20.96	17.19	12.50	0.00	0.00	0.00		1.00	0.40	52.08	86.80	104.16						
	26.34		S25	B	Woodland, Grass, Fair	65	45	83	10.25	9.47	8.41	1.10	0.08	0.00		1.00	0.30	7.90	13.17	15.80						
	132.01		S25	C	Woodland, Grass, Fair	77	59	92	76.22	72.76	67.82	23.68	11.28	2.35		1.00	0.25	39.60	66.01	79.21						
	30.90		S25	D	Woodland, Grass, Fair	82	66	95	20.47	19.76	18.73	8.17	4.79	1.86		1.00	0.20	9.27	15.45	18.54						
	0.20	E-1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.10	0.09	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11						
	0.50	E-1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27						
	0.80	E-1	S26.1	D	Commercial	75	57	91	0.73	0.73	0.73	0.72	0.71	0.68	0.65		0.10	0.20	0.02	0.04	0.05					
	0.10	E-2	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01						
	2.10	E-2	S26.1	D	Commercial	75	57	91	1.93	1.92	1.90	1.86	1.79	1.70		0.10	0.20	0.06	0.11	0.13						
	0.70	E-2	S26.1	D	Residential 2.5 acre lots	75	57	91	0.41	0.39	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38						
	0.60	E-2.1	S26.1	B	Commercial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04						
	0.20	E-2.1	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.05	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11						
	3.00	E-2.1	S26.1	C	Commercial	69	50	86	2.73	2.71	2.68	2.63	2.53	2.40		0.10	0.25	0.09	0.15	0.18						
	0.10	E-2.1	S26.1	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05						
	1.70	E-2.1	S26.1	D	Commercial	75	57	91	1.56	1.55	1.54	1.51	1.45	1.37		0.10	0.20	0.05	0.09	0.10						
	0.50	E-2.1	S26.1	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27						
	2.00	E-3	S26.1	C	Residential 2.5 acre lots	69	50	86	1.00	0.95	0.87	0.75	0.54	0.34		0.90	0.25	0.54	0.90	1.08						
	2.20	E-3	S26.1	D	Residential 2.5 acre lots	75	57	91	1.29	1.23	1.16	1.02	0.78	0.53		0.90	0.20	0.59	0.99	1.19						
	4.20	E-3	S26.1	B	Residential 2.5 acre lots	56	36	76	1.40	1.29	1.15	0.92	0.60	0.39		0.90	0.30	1.13	1.89	2.27						
	5.30	E-3	S26.1	B	Commercial	56	36	76	4.72	4.69	4.64	4.56	4.40	4.20		0.10	0.30	0.16	0.27	0.32						
	7.10	E-3	S26.1	D	Commercial	75	57	91	6.52	6.48	6.42	6.30	6.06	5.74		0.10	0.20	0.21	0.36	0.43						
	8.60	E-3	S26.1	C	Commercial	69	50	86	7.82	7.76	7.69	7.55	7.26	6.88		0.10	0.25	0.26	0.43	0.52						
	0.60	E-4	S26.1	A	Residential 2.5 acre lots	32	17	52	0.07	0.06	0.06	0.06	0.05	0.05		0.90	0.40	0.16	0.27	0.32						
	1.30	E-4	S26.1	B	Residential 2.5 acre lots	56	36	76	0.43	0.40	0.36	0.29	0.19	0.12		0.90	0.30	0.35	0.59	0.70						
	5.60	E-4	S26.1	A	Commercial	32	17	52	4.85	4.83	4.79	4.74	4.62	4.43		0.10	0.40	0.17	0.28	0.34						
	8.30	E-4	S26.1	B	Commercial	56	36	76	7.39	7.34	7.27	7.14	6.89	6.57		0.10	0.30	0.25	0.42	0.50						
	5.60	E-5	S26.1	A	Apartments	32	17	52	4.32	4.30	4.26	4.21	4.11	3.94		0.20	0.40	0.34	0.56	0.67						
	12.30	E-5	S26.1	B	Apartments	56	36	76	10.09	9.99	9.84	9.60	9.16	8.67		0.20	0.30	0.74	1.23	1.48						
	0.50	E-5	S26.1	A	Commercial	32	17	52	0.43	0.43	0.43	0.42	0.41	0.40		0.10	0.40	0.02	0.03	0.03						
	5.40	E-5	S26.1	B	Commercial	56	36	76	4.81	4.78	4.73	4.65	4.48	4.28		0.10	0.30	0.16	0.27	0.32						
	4.70	E-5	S26.1	A	Residential 2.5 acre lots	32	17	52	0.54	0.50	0.46	0.44	0.43	0.41		0.90	0.40	1.27	2.12	2.54						
	4.20	E-5	S26.1	B	Residential 2.5 acre lots	56	36	76	1.40	1.29	1.15	0.92	0.60	0.39		0.90	0.30	1.13	1.89	2.27						
	9.90	E-5	S26.1	A	Commercial	32	17	52	8.57	8.53	8.48	8.38	8.17	7.84		0.10	0.40	0.30	0.50	0.59						
	0.10	OE-1	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06						
	0.10	OE-1	S26.1	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100								
								AMC				P ₂₄ (Inches)						5.63				
								II	I	III	AMC 1/AMCI											

	10.40	OE-3	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	5.66	5.38	4.98	1.57	0.67	0.09		1.00	0.25	3.12	5.20	6.24	
	0.10	OE-4	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06	
	0.30	OE-4	S26.1	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	0.60	OE-4	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36	
	0.10	OE-5	S26.1	C	Commercial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		1.00	0.25	0.00	0.01	0.01	
	0.90	OE-5	S26.1	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.25	0.20	0.13	0.08		0.90	0.30	0.24	0.41	0.49	
	1.30	OE-5	S26.1	B	Commercial	56	36	76	1.16	1.15	1.14	1.12	1.08	1.03		0.10	0.30	0.04	0.07	0.08	
	0.80	OE-5	S26.1	D	Open Brush, Fair	83	67	96	0.54	0.53	0.50	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.48	
	2.40	OE-5	S26.1	C	Open Brush, Fair	77	59	92	1.39	1.32	1.23	0.43	0.21	0.04		1.00	0.25	0.72	1.20	1.44	
	3.20	OE-5	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.06	1.99	1.88	0.78	0.44	0.16		1.00	0.20	0.96	1.60	1.92	
	4.00	OE-5	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.44	1.32	1.16	0.12	0.00	0.00		1.00	0.30	1.20	2.00	2.40	
	7.10	OE-5	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	3.87	3.67	3.40	1.07	0.46	0.06		1.00	0.25	2.13	3.55	4.26	
	1.00	OE-6	S26.1	B	Commercial	56	36	76	0.89	0.88	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06	
	0.20	OE-6	S26.1	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.05	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11	
	0.50	OE-6	S26.1	B	Open Brush, Fair	66	46	84	0.20	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30	
	1.80	OE-6	S26.1	C	Chaparral, Broadleaf, Fair	75	57	91	0.98	0.93	0.86	0.27	0.12	0.02		1.00	0.25	0.54	0.90	1.08	
	2.60	OE-6	S26.1	D	Open Brush, Fair	83	67	96	1.77	1.71	1.63	0.74	0.45	0.19		1.00	0.20	0.78	1.30	1.56	
	3.40	OE-6	S26.1	B	Chaparral, Broadleaf, Fair	63	43	81	1.22	1.12	0.99	0.10	0.00	0.00		1.00	0.30	1.02	1.70	2.04	
	3.60	OE-6	S26.1	D	Chaparral, Broadleaf, Fair	81	64	95	2.32	2.24	2.11	0.88	0.50	0.18		1.00	0.20	1.08	1.80	2.16	
	0.10	OE-6	S26.1	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	4.60	OE-6	S26.1	C	Open Brush, Fair	77	59	92	2.66	2.54	2.36	0.82	0.39	0.08		1.00	0.25	1.38	2.30	2.76	
	0.7	F-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.45	0.43	0.41	0.17	0.10	0.03		1.00	0.20	0.21	0.35	0.42	
	0.5	F-1	S26.2	D	Open Brush, Fair	83	67	96	0.34	0.33	0.31	0.14	0.09	0.04		1.00	0.20	0.15	0.25	0.30	
	0.2	F-2	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	5.5	F-2	S26.2	B	Commercial	56	36	76	4.90	4.86	4.82	4.73	4.57	4.36		0.10	0.30	0.17	0.28	0.33	
	0.2	F-2	S26.2	B	Open Brush, Fair	66	46	84	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	0.1	F-2	S26.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05	
	0.1	F-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	1.0	F-2	S26.2	C	Commercial	69	50	86	0.91	0.90	0.89	0.88	0.84	0.80		0.10	0.25	0.03	0.05	0.06	
	0.2	F-2	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12	
	0.1	F-2	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05	
	3.2	F-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.06	1.99	1.88	0.78	0.44	0.16		1.00	0.20	0.96	1.60	1.92	
	3.4	F-2	S26.2	D	Commercial	75	57	91	3.12	3.10	3.07	3.02	2.90	2.75		0.10	0.20	0.10	0.17	0.20	
	3.3	F-2	S26.2	D	Open Brush, Fair	83	67	96	2.24	2.17	2.06	0.94	0.57	0.24		1.00	0.20	0.99	1.65	1.98	
	0.7	F-2	S26.2	D	Residential 2.5 acre lots	75	57	91	0.41	0.39	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38	
	0.5	F-3	S26.2	C	Residential 2.5 acre lots	69	50	86	0.25	0.24	0.22	0.19	0.13	0.08		0.90	0.25	0.14	0.23	0.27	
	2.1	F-3	S26.2	B	Residential 2.5 acre lots	56	36	76	0.70	0.65	0.57	0.46	0.30	0.20		0.90	0.30	0.57	0.95	1.13	
	3.0	F-3	S26.2	D	Residential 2.5 acre lots	75	57	91	1.76	1.68	1.58	1.40	1.06	0.72		0.90	0.20	0.81	1.35	1.62	
	5.9	F-3	S26.2	D	Commercial	75	57	91	5.42	5.38	5.33	5.24	5.04	4.77		0.10	0.20	0.18	0.30	0.35	
	7.7	F-3	S26.2	C	Commercial	69	50	86	7.00	6.95	6.88	6.76	6.50	6.16		0.10	0.25	0.23	0.39	0.46	
	13.6	F-3	S26.2	B	Commercial	56	36	76	12.11	12.03	11.91	11.70	11.29	10.77		0.10	0.30	0.41	0.68	0.82	
	3.8	F-4	S26.2	B	Commercial	56	36	76	3.38	3.36	3.33	3.27	3.16	3.01		0.10	0.30	0.11	0.19	0.23	
	0.6	F-4	S26.2	C	Commercial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04	
	0.1	F-4	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	2.4	F-4	S26.2	B	Residential 2.5 acre lots	56	36	76	0.80	0.74	0.66	0.53	0.34	0.22		0.90	0.30	0.65	1.08	1.30	
	2.2	F-4	S26.2	C	Residential 2.5 acre lots	69	50	86	1.10	1.04	0.96	0.83	0.59	0.37		0.90	0.25	0.59	0.99	1.19	
	0.3	F-4	S26.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
	12.3	F-5	S26.2	A	Commercial	32	17	52	10.65	10.60	10.53	10.41	10.14	9.73		0.10	0.40	0.37	0.62	0.74	
	26.8	F-5	S26.2	B	Commercial	56	36	76	23.86	23.70	23.47	23.06	22.26	21.23		0.10	0.30	0.80	1.34	1.61	
	2.0	F-5	S26.2	C	Commercial	69	50	86	1.82	1.81	1.79	1.76	1.69	1.60		0.10	0.25	0.06	0.10	0.12	
	2.7	F-5	S26.2	A	Residential 2.5 acre lots	32	17	52	0.31	0.29	0.26	0.25	0.25	0.24		0.90	0.40	0.73	1.22	1.46	
	0.8	F-5	S26.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.22	0.18	0.11	0.07		0.90	0.30	0.22	0.36	0.43	
	2.1	F-5	S26.2	C	Residential 2.5 acre lots	69	50	86	1.05	1.00	0.92	0.79	0.57	0.36		0.90	0.25	0.57	0.95	1.13	
	8.0	F-5	S26.2	A	Water	98	95	100	7.68	7.65	7.61	7.52	7.33	7.04		0.00	0.40	0.00	0.00	0.00	
	0.1	OF-1	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	0.5	OF-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30	
	1.0	OF-1	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.17	0.07		1.00	0.20	0.30	0.50	0.60	
	0.6	OF-10	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36	
	0.1	OF-11	S26.2	C	Residential 2.5 acre lots	69	50	86	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.25	0.03	0.05	0.05	
	0.4	OF-11	S26.2	C	Commercial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02	
	0.3	OF-11	S26.2	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	4.3	OF-11	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.34	2.22	2.06	0.65	0.28	0.04		1.00	0.25	1.29	2.15	2.58	

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	Storm Event (Year)									
						100	50	25	10	5	2	100	EV						HC				
						AMC			P ₂₄ (Inches)														
						II	I	III															
	0.4	OF-15	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24			
	1.0	OF-15	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.17	0.07		1.00	0.20	0.30	0.50	0.60			
	0.1	OF-16	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.4	OF-16	S26.2	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24			
	0.6	OF-16	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.35	0.33	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36			
	0.7	OF-16	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.49	0.47	0.45	0.21	0.13	0.06		1.00	0.20	0.21	0.35	0.42			
	0.6	OF-17	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36			
	1.5	OF-17	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.05	1.01	0.97	0.46	0.29	0.13		1.00	0.20	0.45	0.75	0.90			
	1.7	OF-17	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.04	1.00	0.93	0.36	0.19	0.05		1.00	0.25	0.51	0.85	1.02			
	3.4	OF-17	S26.2	C	Open Brush, Fair	77	59	92	1.96	1.87	1.75	0.61	0.29	0.06		1.00	0.25	1.02	1.70	2.04			
	7.2	OF-17	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.92	3.72	3.45	1.09	0.46	0.06		1.00	0.25	2.16	3.60	4.32			
	0.1	OF-18	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.1	OF-18	S26.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.6	OF-18	S26.2	B	Open Brush, Fair	66	46	84	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	2.1	OF-18	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.28	1.23	1.15	0.44	0.23	0.06		1.00	0.25	0.63	1.05	1.26			
	8.9	OF-18	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	4.85	4.60	4.26	1.34	0.57	0.07		1.00	0.25	2.67	4.45	5.34			
	14.8	OF-18	S26.2	C	Open Brush, Fair	77	59	92	8.55	8.16	7.60	2.65	1.26	0.26		1.00	0.25	4.44	7.40	8.88			
	0.1	OF-19	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.4	OF-19	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.23	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24			
	0.4	OF-19	S26.2	D	Open Brush, Fair	83	67	96	0.27	0.26	0.25	0.11	0.07	0.03		1.00	0.20	0.12	0.20	0.24			
	2.9	OF-19	S26.2	B	Open Brush, Fair	66	46	84	1.17	1.09	0.97	0.15	0.02	0.00		1.00	0.30	0.87	1.45	1.74			
	5.2	OF-19	S26.2	C	Open Brush, Fair	77	59	92	3.00	2.87	2.67	0.93	0.44	0.09		1.00	0.25	1.56	2.60	3.12			
	9.5	OF-19	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.17	4.91	4.55	1.44	0.61	0.08		1.00	0.25	2.85	4.75	5.70			
	1.0	OF-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.54	0.52	0.48	0.15	0.06	0.01		1.00	0.25	0.30	0.50	0.60			
	0.6	OF-2	S26.2	C	Open Brush, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36			
	2.3	OF-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.48	1.43	1.35	0.56	0.32	0.11		1.00	0.20	0.69	1.15	1.38			
	1.0	OF-2	S26.2	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.17	0.07		1.00	0.20	0.30	0.50	0.60			
	0.2	OF-20	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.5	OF-20	S26.2	B	Woodland, Grass, Fair	65	45	83	0.19	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	1.2	OF-20	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.73	0.70	0.66	0.25	0.13	0.04		1.00	0.25	0.36	0.60	0.72			
	3.6	OF-20	S26.2	C	Woodland, Grass, Fair	77	59	92	2.08	1.98	1.85	0.65	0.31	0.06		1.00	0.25	1.08	1.80	2.16			
	3.8	OF-20	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.71	1.60	1.44	0.30	0.07	0.00		1.00	0.30	1.14	1.90	2.28			
	6.1	OF-20	S26.2	B	Open Brush, Fair	66	46	84	2.46	2.28	2.04	0.31	0.03	0.00		1.00	0.30	1.83	3.05	3.66			
	14.3	OF-20	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	7.79	7.40	6.85	2.16	0.92	0.12		1.00	0.25	4.29	7.15	8.58			
	21.6	OF-20	S26.2	C	Open Brush, Fair	77	59	92	12.47	11.90	11.10	3.87	1.85	0.39		1.00	0.25	6.48	10.80	12.96			
	0.3	OF-21	S26.2	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18			
	0.3	OF-21	S26.2	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.6	OF-21	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36			
	2.3	OF-21	S26.2	C	Woodland, Grass, Fair	77	59	92	1.33	1.27	1.18	0.41	0.20	0.04		1.00	0.25	0.69	1.15	1.38			
	3.2	OF-21	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.74	1.66	1.53	0.48	0.21	0.03		1.00	0.25	0.96	1.60	1.92			
	0.1	OF-3	S26.2	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	4.6	OF-3	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.50	2.38	2.20	0.70	0.30	0.04		1.00	0.25	1.38	2.30	2.76			
	4.0	OF-3	S26.2	C	Open Brush, Fair	77	59	92	2.31	2.20	2.06	0.72	0.34	0.07		1.00	0.25	1.20	2.00	2.40			
	0.6	OF-3	S26.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36			
	2.7	OF-3	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.74	1.68	1.59	0.66	0.37	0.13		1.00	0.20	0.81	1.35	1.62			
	5.1	OF-3	S26.2	D	Open Brush, Fair	83	67	96	3.47	3.35	3.19	1.45	0.88	0.37		1.00	0.20	1.53	2.55	3.06			
	0.2	OF-4	S26.2	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	0.7	OF-4	S26.2	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.20	0.12	0.05		1.00	0.20	0.21	0.35	0.42			
	0.2	OF-5	S26.2	D	Woodland, Grass, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12			
	1.0	OF-5	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.54	0.52	0.48	0.15	0.06	0.01		1.00	0.25	0.30	0.50	0.60			
	1.4	OF-5	S26.2	C	Open Brush, Fair	77	59	92	0.81	0.77	0.72	0.25	0.12	0.02		1.00	0.25	0.42	0.70	0.84			
	4.4	OF-5	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.84	2.73	2.58	1.08	0.61	0.21		1.00	0.20	1.32	2.20	2.64			
	6.7	OF-5	S26.2	D	Open Brush, Fair	83	67	96	4.55	4.41	4.19	1.91	1.16	0.49		1.00	0.20	2.01	3.35	4.02			
	0.7	OF-6	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.45	0.43	0.41	0.17	0.10	0.03		1.00	0.20	0.21	0.35	0.42			
	1.4	OF-6	S26.2	D	Woodland, Grass, Fair	82	66	95	0.93	0.90	0.85	0.37	0.22	0.08		1.00	0.20	0.42	0.70	0.84			
	5.4	OF-6	S26.2	D	Open Brush, Fair	83	67	96	3.67	3.55	3.38	1.54	0.93	0.39		1.00	0.20	1.62	2.70	3.24			
	0.6	OF-7	S26.2	B	Woodland, Grass, Fair	65	45	83	0.23	0.22	0.19	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.8	OF-7	S26.2	C	Woodland, Grass, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48			
	0.8	OF-7	S26.2	B	Open Brush, Fair	66	46	84	0.32	0.30	0.27	0.04	0.00	0.00		1.00	0.30	0.24	0.40	0.48			
	1.1	OF-7	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.40	0.36	0.32	0.03	0.00	0.00		1.00	0.30	0.33	0.55	0.66			
	5.2	OF-7	S26.2	D	Woodland, Grass, Fair	82	66	95	3.44	3.32	3.15	1.38	0.81	0.31		1.00	0.20	1.56	2.60	3.12			
	6.3	OF-7	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.43	3.26	3.02	0.95	0.41	0.05		1.00	0.25	1.89	3.15	3.78			
	9.7	OF-7	S26.2	C	Open Brush, Fair	77	59	92	5.60	5.35	4.98	1.74	0.83	0.17		1.00	0.25	2.91	4.85	5.82			
	17.0	OF-7	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	10.97	10.56	9.98	4.16	2.35	0.83		1.00	0.20	5.10	8.50	10.20			
	36.6	OF-7	S26.2	D	Open Brush, Fair	83	67	96	24.88	24.07	22.89	10.43	6.33	2.67		1.00	0.20	10.98	18.30	21.96			
	0.1	OF-8	S26.2																				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCH								
	0.9	OF-8	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.40	0.38	0.34	0.07	0.02	0.00		1.00	0.30	0.27	0.45	0.54			
	3.8	OF-8	S26.2	D	Open Brush, Fair	83	67	96	2.58	2.50	2.38	1.08	0.66	0.28		1.00	0.20	1.14	1.90	2.28			
	4.2	OF-8	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.71	2.61	2.47	1.03	0.58	0.20		1.00	0.20	1.26	2.10	2.52			
	5.1	OF-8	S26.2	C	Woodland, Grass, Fair	77	59	92	2.94	2.81	2.62	0.91	0.44	0.09		1.00	0.25	1.53	2.55	3.06			
	7.0	OF-8	S26.2	C	Open Brush, Fair	77	59	92	4.04	3.86	3.60	1.26	0.60	0.12		1.00	0.25	2.10	3.50	4.20			
	12.0	OF-8	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	6.53	6.21	5.74	1.81	0.77	0.10		1.00	0.25	3.60	6.00	7.20			
	0.5	OF-9	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.35	0.34	0.32	0.15	0.10	0.04		1.00	0.20	0.15	0.25	0.30			
	0.7	OF-9	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.25	0.23	0.20	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	2.3	OF-9	S26.2	C	Woodland, Grass, Fair	77	59	92	1.33	1.27	1.18	0.41	0.20	0.04		1.00	0.25	0.69	1.15	1.38			
	2.4	OF-9	S26.2	B	Open Brush, Fair	66	46	84	0.97	0.90	0.80	0.12	0.01	0.00		1.00	0.30	0.72	1.20	1.44			
	2.5	OF-9	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.12	1.05	0.95	0.20	0.05	0.00		1.00	0.30	0.75	1.25	1.50			
	3.2	OF-9	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.95	1.87	1.76	0.67	0.35	0.10		1.00	0.25	0.96	1.60	1.92			
	7.4	OF-9	S26.2	D	Woodland, Grass, Fair	82	66	95	4.90	4.73	4.49	1.96	1.15	0.45		1.00	0.20	2.22	3.70	4.44			
	12.4	OF-9	S26.2	C	Open Brush, Fair	77	59	92	7.16	6.83	6.37	2.22	1.06	0.22		1.00	0.25	3.72	6.20	7.44			
	28.2	OF-9	S26.2	D	Open Brush, Fair	83	67	96	19.17	18.54	17.64	8.04	4.88	2.05		1.00	0.20	8.46	14.10	16.92			
	31.4	OF-9	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	20.26	19.51	18.43	7.68	4.34	1.53		1.00	0.20	9.42	15.70	18.84			
	42.4	OF-9	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	23.08	21.93	20.30	6.41	2.73	0.36		1.00	0.25	12.72	21.20	25.44			
	0.8	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48			
	2.9	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.67	1.60	1.49	0.52	0.25	0.05		1.00	0.25	0.87	1.45	1.74			
	14.8	O-3	S26.3	C	Open Brush, Fair	77	59	92	8.55	8.16	7.60	2.65	1.26	0.26		1.00	0.25	4.44	7.40	8.88			
	0.2	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.10	0.09	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11			
	0.1	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	11.7	O-4	S26.3	C	Open Brush, Fair	77	59	92	6.76	6.45	6.01	2.10	1.00	0.21		1.00	0.25	3.51	5.85	7.02			
	1.9	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	0.95	0.90	0.83	0.71	0.51	0.32		0.90	0.25	0.51	0.86	1.03			
	0.1	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.3	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	2.3	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.77	0.71	0.63	0.51	0.33	0.21		0.90	0.30	0.62	1.04	1.24			
	0.6	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.23	0.22	0.19	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	1	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.54	0.52	0.48	0.15	0.06	0.01		1.00	0.25	0.30	0.50	0.60			
	8.2	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.73	4.52	4.21	1.47	0.70	0.15		1.00	0.25	2.46	4.10	4.92			
	6.2	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	3.10	2.94	2.71	2.33	1.67	1.05		0.90	0.25	1.67	2.79	3.35			
	0.20	26.3-1	S26.3	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	0.20	26.3-1	S26.3	B	Open Brush, Fair	66	46	84	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.50	26.3-1	S26.3	B	Woodland, Grass, Fair	65	45	83	0.19	0.18	0.16	0.02	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	0.90	26.3-1	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.49	0.47	0.43	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54			
	0.50	26.3-1	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.31	0.29	0.27	0.10	0.05	0.02		1.00	0.25	0.15	0.25	0.30			
	11.50	26.3-1	S26.3	C	Open Brush, Fair	77	59	92	6.64	6.34	5.91	2.06	0.98	0.21		1.00	0.25	3.45	5.75	6.90			
	0.30	26.3-1	S26.3	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.20	26.3-2	S26.3	C	Woodland, Grass, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	1.30	26.3-2	S26.3	C	Open Brush, Fair	77	59	92	0.75	0.72	0.67	0.23	0.11	0.02		1.00	0.25	0.39	0.65	0.78			
	1.3	26.3-2	S26.3	A	Public Park	32	17	52	0.21	0.20	0.19	0.18	0.18	0.17		0.85	0.40	0.33	0.55	0.66			
	1.4	26.3-2	S26.3	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.15	1.11		0.10	0.40	0.04	0.07	0.08			
	1.7	26.3-2	S26.3	A	Residential 2.5 acre lots	32	17	52	0.20	0.18	0.17	0.16	0.16	0.15		0.90	0.40	0.46	0.77	0.92			
	12.4	26.3-2	S26.3	A	Open Brush, Fair	46	28	66	1.76	1.48	1.11	0.00	0.00	0.00		1.00	0.40	3.72	6.20	7.44			
	26.9	26.3-2	S26.3	A	Woodland, Grass, Fair	44	26	64	3.25	2.66	1.94	0.00	0.00	0.00		1.00	0.40	8.07	13.45	16.14			
	0.5	26.3-3	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30			
	0.4	26.3-3	S26.3	B	Woodland, Grass, Fair	65	45	83	0.16	0.14	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	0.4	26.3-3	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.22	0.21	0.19	0.06	0.03	0.00		1.00	0.25	0.12	0.20	0.24			
	0.6	26.3-3	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.37	0.35	0.33	0.13	0.07	0.02		1.00	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	C	Public Park	69	50	86	0.37	0.35	0.33	0.28	0.21	0.15		0.85	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	D	Chaparral, Narrowleaf, Fair	86	72	97	0.51	0.50	0.48	0.25	0.17	0.09		1.00	0.20	0.21	0.35	0.42			
	1.0	26.3-3	S26.3	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.17	0.07		1.00	0.20	0.30	0.50	0.60			
	1.2	26.3-3	S26.3	A	Open Brush, Fair	46	28	66	0.17	0.14	0.11	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	1.7	26.3-3	S26.3	D	Residential 2.5 acre lots	75	57	91	1.00	0.95	0.89	0.79	0.60	0.41		0.90	0.20	0.46	0.77	0.92			
	1.9	26.3-3	S26.3	C	Open Brush, Fair	77	59	92	1.10	1.05	0.98	0.34	0.16	0.03		1.00	0.25	0.57	0.95	1.14			
	2.1	26.3-3	S26.3	C	Residential 2.5 acre lots	69	50	86	1.05	1.00	0.92	0.79	0.57	0.36		0.90	0.25	0.57	0.95	1.13			
	2.9	26.3-3	S26.3	C	Chaparral, Narrowleaf, Fair	81	64	95	1.87	1.80	1.70	0.71	0.40	0.14		1.00	0.25	0.87	1.45	1.74			
	5.6	26.3-3	S26.3	C	Woodland, Grass, Fair	77	59	92	3.23	3.09	2.88	1.00	0.48	0.10		1.00	0.25	1.68	2.80	3.36			
	9.0	26.3-3	S26.3	A	Woodland, Grass, Fair	44	26	64	1.09	0.89	0.65	0.00	0.00	0.00		1.00	0.40	2.70	4.50	5.40			
	0.5	26.3-5	S26.3	B	Row Crops, Poor	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.30	0.15	0.25	0.30			
	0.7	26.3-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.27	0.25	0.22	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	1.3	26.3-5	S26.3	D	Public Park	75	57	91	0.79	0.76	0.71	0.64	0.50	0.36		0.85	0.20	0.33	0.55	0.66			
	1.3	26.3-5	S26.3	A	Residential 2.5 acre lots	32	17	52	0.15	0.14	0.13	0.12	0.12	0.11		0.90	0.40	0.35	0.59	0.70			
	1.9	26.3-5	S26.3	A	Row Crops, Poor	72	53	89	0.94	0.89	0.81	0.21											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100										
						AMC			P ₂₄ (Inches)									5.63				
						II	I	III	AMC 1/AMCII													
	0.4	26.3-6	S26.3	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.15	0.11		0.85	0.20	0.10	0.17	0.20		
	0.6	26.3-6	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36		
	1.1	26.3-6	S26.3	A	Commercial, Industrial	32	17	52	0.95	0.95	0.94	0.93	0.91	0.87		0.10	0.40	0.03	0.06	0.07		
	0.8	26.3-6	S26.3	A	Public Park	32	17	52	0.13	0.12	0.12	0.11	0.11	0.11		0.85	0.40	0.20	0.34	0.41		
	0.8	26.3-6	S26.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.15	0.13	0.10	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48		
	0.9	26.3-6	S26.3	B	Woodland, Grass, Fair	65	45	83	0.35	0.32	0.29	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54		
	1.5	26.3-6	S26.3	A	Row Crops, Poor	72	53	89	0.74	0.70	0.64	0.17	0.06	0.00		1.00	0.40	0.45	0.75	0.90		
	1.6	26.3-6	S26.3	C	Open Brush, Fair	77	59	92	0.92	0.88	0.82	0.29	0.14	0.03		1.00	0.25	0.48	0.80	0.96		
	1.8	26.3-6	S26.3	D	Open Brush, Fair	83	67	96	1.22	1.18	1.13	0.51	0.31	0.13		1.00	0.20	0.54	0.90	1.08		
	1.9	26.3-6	S26.3	C	Woodland, Grass, Fair	77	59	92	1.10	1.05	0.98	0.34	0.16	0.03		1.00	0.25	0.57	0.95	1.14		
	3.3	26.3-6	S26.3	B	Open Brush, Fair	66	46	84	1.33	1.24	1.10	0.17	0.02	0.00		1.00	0.30	0.99	1.65	1.98		
	3.7	26.3-6	S26.3	C	Public Park	69	50	86	1.95	1.85	1.72	1.50	1.13	0.77		0.85	0.25	0.94	1.57	1.89		
	3.9	26.3-6	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	2.12	2.02	1.87	0.59	0.25	0.03		1.00	0.25	1.17	1.95	2.34		
	5.9	26.3-6	S26.3	B	Public Park	56	36	76	2.17	2.03	1.83	1.53	1.09	0.81		0.85	0.30	1.50	2.51	3.01		
	9.1	26.3-6	S26.3	A	Woodland, Grass, Fair	44	26	64	1.10	0.90	0.66	0.00	0.00	0.00		1.00	0.40	2.73	4.55	5.46		
	20.6	26.3-6	S26.3	A	Open Brush, Fair	46	28	66	2.93	2.45	1.85	0.00	0.00	0.00		1.00	0.40	6.18	10.30	12.36		
	1.6	C1-1	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.40	1.39	1.37	1.34	1.27	1.18		0.20	0.20	0.10	0.16	0.19		
	0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.93	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13		
	0.2	C1-10	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02		
	1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.36	1.35	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09		
	0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01		
	0.7	C1-11	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.59	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08		
	0.5	C1-11	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06		
	1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.73	1.72	1.70	1.67	1.60	1.52		0.10	0.25	0.06	0.10	0.11		
	2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.30	2.28	2.26	2.22	2.14	2.02		0.10	0.20	0.08	0.13	0.15		
	0.8	C1-12	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10		
	0.7	C1-12	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.61	0.61	0.60	0.58	0.55	0.52		0.20	0.20	0.04	0.07	0.08		
	0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	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	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	0.2	C1-13	S27.2	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10		
	6.1	C1-13	S27.2	C	Residential 10+ dwellings/acre	69	50	86	5.23	5.18	5.10	4.97	4.71	4.40		0.20	0.25	0.37	0.61	0.73		
	6.1	C1-13	S27.2	D	Residential 10+ dwellings/acre	75	57	91	5.35	5.30	5.23	5.09	4.83	4.50		0.20	0.20	0.37	0.61	0.73		
	1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.53	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10		
	1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.19	1.19	1.17	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08		
	3.0	C1-14	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.57	2.55	2.51	2.44	2.32	2.17		0.20	0.25	0.18	0.30	0.36		
	2.1	C1-14	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.84	1.82	1.80	1.75	1.66	1.55		0.20	0.20	0.13	0.21	0.25		
	3.7	C1-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	2.61	2.55	2.46	2.32	2.06	1.80		0.50	0.25	0.56	0.93	1.11		
	6.0	C1-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	4.51	4.42	4.29	4.06	3.63	3.15		0.50	0.20	0.90	1.50	1.80		
	0.4	C1-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.34	0.34	0.33	0.33	0.31	0.29		0.20	0.25	0.02	0.04	0.05		
	0.3	C1-15	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16		
	6.8	C1-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.79	4.68	4.53	4.26	3.79	3.30		0.50	0.25	1.02	1.70	2.04		
	19.1	C1-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	14.37	14.07	13.65	12.92	11.55	10.01		0.50	0.20	2.87	4.78	5.73		
	0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02		
	0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01		
	0.7	C1-16	S27.2	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38		
	8.9	C1-16	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.27	6.13	5.92	5.58	4.96	4.32		0.50	0.25	1.34	2.23	2.67		
	7.4	C1-16	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	5.57	5.45	5.29	5.01	4.47	3.88		0.50	0.20	1.11	1.85	2.22		
	0.1	C1-17	S27.2	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01		
	1.4	C1-17	S27.2	A	Commercial, Industrial	32	17	52	1.21	1.21	1.20	1.19	1.15	1.11		0.10	0.40	0.04	0.07	0.08		
	4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.27	4.24	4.20	4.13	3.99	3.80		0.10	0.30	0.14	0.24	0.29		
	5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.54	4.51	4.47	4.39	4.22	4.00		0.10	0.25	0.15	0.25	0.30		
	3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.40	3.38	3.34	3.28	3.16	2.99		0.10	0.20	0.11	0.19	0.22		
	5.0	C1-17	S27.2	D	Public Park	75	57	91	3.03	2.92	2.75	2.46	1.93	1.38		0.85	0.20	1.28	2.13	2.55		
	4.0	C1-17	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.43	3.40	3.35	3.26	3.09	2.89		0.20	0.25	0.24	0.40	0.48		
	12.7	C1-17	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.14	11.03	10.88	10.60	10.05	9.36		0.20	0.20	0.76	1.27	1.52		
	1.1	C1-17	S27.2	B	Residential 2.5 acre lots	56	36	76	0.37	0.34	0.30	0.24	0.16	0.10		0.90	0.30	0.30	0.50	0.59		
	1.5	C1-17	S27.2	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.56	0.40	0.25		0.90	0.25	0.41	0.68	0.81		
	2.5	C1-17	S27.2	D	Residential 2.5 acre lots	75	57	91	1.47	1.40	1.31	1.16	0.89	0.60		0.90	0.20	0.68	1.13	1.35		
	0.1	C1-17	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03		
	4.5	C1-17	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.17	3.10	2.99	2.82	2.51	2								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III					AMC 1/AMCII	5.63									
	0.2	C1-21	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	0.7	C1-21	S27.2	C	School	69	50	86	0.46	0.44	0.43	0.39	0.34	0.28		0.60	0.25	0.13	0.21	0.25			
	0.1	C1-22	S27.2	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01			
	2.0	C1-22	S27.2	C	Public Park	69	50	86	1.05	1.00	0.93	0.81	0.61	0.42		0.85	0.25	0.51	0.85	1.02			
	2.1	C1-22	S27.2	D	Public Park	75	57	91	1.27	1.22	1.15	1.03	0.81	0.58		0.85	0.20	0.54	0.89	1.07			
	5.6	C1-22	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.80	4.76	4.69	4.56	4.33	4.04		0.20	0.25	0.34	0.56	0.67			
	0.9	C1-22	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.71	0.66		0.20	0.20	0.05	0.09	0.11			
	3.1	C1-22	S27.2	C	School	69	50	86	2.03	1.97	1.89	1.75	1.50	1.26		0.60	0.25	0.56	0.93	1.12			
	0.3	C1-22	S27.2	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11			
	1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	1.00	0.99	0.98	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07			
	1.1	C1-23	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	3.1	C1-23	S27.2	C	Public Park	69	50	86	1.63	1.55	1.44	1.26	0.95	0.65		0.85	0.25	0.79	1.32	1.58			
	2.6	C1-23	S27.2	D	Public Park	75	57	91	1.58	1.52	1.43	1.28	1.00	0.72		0.85	0.20	0.66	1.11	1.33			
	4.8	C1-23	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.12	4.08	4.02	3.91	3.71	3.46		0.20	0.25	0.29	0.48	0.58			
	3.4	C1-23	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.98	2.95	2.91	2.84	2.69	2.51		0.20	0.20	0.20	0.34	0.41			
	3.1	C1-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	2.66	2.63	2.59	2.53	2.40	2.24		0.20	0.25	0.19	0.31	0.37			
	5.0	C1-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	4.38	4.34	4.28	4.17	3.96	3.69		0.20	0.20	0.30	0.50	0.60			
	0.2	C1-24	S27.2	C	Residential 2.5 acre lots	69	50	86	0.10	0.09	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11			
	1.2	C1-24	S27.2	D	Residential 2.5 acre lots	75	57	91	0.70	0.67	0.63	0.56	0.43	0.29		0.90	0.20	0.32	0.54	0.65			
	13.9	C1-24	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	9.79	9.57	9.25	8.71	7.74	6.75		0.50	0.25	2.09	3.48	4.17			
	18.6	C1-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	13.99	13.71	13.30	12.58	11.24	9.75		0.50	0.20	2.79	4.65	5.58			
	1.0	C1-25	S27.2	B	Commercial, Industrial	56	36	76	0.89	0.88	0.88	0.86	0.83	0.79		0.10	0.30	0.03	0.05	0.06			
	6.1	C1-25	S27.2	C	Commercial, Industrial	69	50	86	5.54	5.51	5.45	5.35	5.15	4.88		0.10	0.25	0.18	0.31	0.37			
	12.9	C1-25	S27.2	D	Commercial, Industrial	75	57	91	11.85	11.77	11.66	11.45	11.02	10.43		0.10	0.20	0.39	0.65	0.77			
	0.3	C1-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04			
	0.9	C1-25	S27.2	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.25	0.20	0.13	0.08		0.90	0.30	0.24	0.41	0.49			
	12.8	C1-25	S27.2	C	Residential 2.5 acre lots	69	50	86	6.41	6.07	5.59	4.80	3.45	2.18		0.90	0.25	3.46	5.76	6.91			
	23.2	C1-25	S27.2	D	Residential 2.5 acre lots	75	57	91	13.60	13.02	12.20	10.79	8.24	5.57		0.90	0.20	6.26	10.44	12.53			
	0.3	C1-25	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09			
	0.3	C1-25	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	4.8	C1-26	S27.2	C	Commercial, Industrial	69	50	86	4.36	4.33	4.29	4.21	4.05	3.84		0.10	0.25	0.14	0.24	0.29			
	4.8	C1-26	S27.2	D	Commercial, Industrial	75	57	91	4.41	4.38	4.34	4.26	4.10	3.88		0.10	0.20	0.14	0.24	0.29			
	0.1	C1-26	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	6.3	C1-26	S27.2	D	Public Park	75	57	91	3.82	3.67	3.46	3.10	2.43	1.74		0.85	0.20	1.61	2.68	3.21			
	5.0	C1-26	S27.2	B	Residential 10+ dwellings/acre	56	36	76	4.10	4.06	4.00	3.90	3.72	3.52		0.20	0.30	0.30	0.50	0.60			
	43.3	C1-26	S27.2	C	Residential 10+ dwellings/acre	69	50	86	37.15	36.77	36.23	35.29	33.46	31.25		0.20	0.25	2.60	4.33	5.20			
	38.7	C1-26	S27.2	D	Residential 10+ dwellings/acre	75	57	91	33.94	33.61	33.15	32.31	30.64	28.54		0.20	0.20	2.32	3.87	4.64			
	2.3	C1-26	S27.2	C	Residential 2.5 acre lots	69	50	86	1.15	1.09	1.01	0.86	0.62	0.39		0.90	0.25	0.62	1.04	1.24			
	3.6	C1-26	S27.2	D	Residential 2.5 acre lots	75	57	91	2.11	2.02	1.89	1.68	1.28	0.86		0.90	0.20	0.97	1.62	1.94			
	0.5	C1-27	S27.2	A	Apartments	32	17	52	0.39	0.38	0.38	0.38	0.37	0.35		0.20	0.40	0.03	0.05	0.06			
	14.8	C1-27	S27.2	B	Apartments	56	36	76	12.15	12.02	11.85	11.55	11.02	10.43		0.20	0.30	0.89	1.48	1.78			
	1.9	C1-27	S27.2	C	Apartments	69	50	86	1.63	1.61	1.59	1.55	1.47	1.37		0.20	0.25	0.11	0.19	0.23			
	9.9	C1-27	S27.2	D	Apartments	75	57	91	8.68	8.60	8.48	8.27	7.84	7.30		0.20	0.20	0.59	0.99	1.19			
	1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.56	1.55	1.54	1.52	1.48	1.42		0.10	0.40	0.05	0.09	0.11			
	8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.48	7.43	7.36	7.23	6.98	6.65		0.10	0.30	0.25	0.42	0.50			
	7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.91	6.86	6.79	6.67	6.42	6.08		0.10	0.25	0.23	0.38	0.46			
	14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.86	12.78	12.65	12.43	11.96	11.32		0.10	0.20	0.42	0.70	0.84			
	1.4	C1-27	S27.2	C	Public Park	69	50	86	0.74	0.70	0.65	0.57	0.43	0.29		0.85	0.25	0.36	0.60	0.71			
	0.3	C1-27	S27.2	D	Public Park	75	57	91	0.18	0.17	0.16	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15			
	0.2	C1-27	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.15	0.15	0.15	0.15	0.15	0.14		0.20	0.40	0.01	0.02	0.02			
	0.3	C1-27	S27.2	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.23	0.22	0.21		0.20	0.30	0.02	0.03	0.04			
	12.2	C1-27	S27.2	C	Residential 10+ dwellings/acre	69	50	86	10.47	10.36	10.21	9.94	9.43	8.81		0.20	0.25	0.73	1.22	1.46			
	17.6	C1-27	S27.2	D	Residential 10+ dwellings/acre	75	57	91	15.43	15.29	15.08	14.70	13.93	12.98		0.20	0.20	1.06	1.76	2.11			
	0.3	C1-27	S27.2	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16			
	0.9	C1-27	S27.2	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.39	0.34	0.24	0.15		0.90	0.25	0.24	0.41	0.49			
	9.3	C1-27	S27.2	D	Residential 2.5 acre lots	75	57	91	5.45	5.22	4.89	4.33	3.30	2.23		0.90	0.20	2.51	4.19	5.02			
	0.2	C1-27	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.11	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06			
	5.3	C1-27	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.73	3.65	3.53	3.32	2.95	2.57		0.50	0.25	0.80	1.33	1.59			
	28.3	C1-27	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	21.29	20.85	20.23	19.15	17.11	14.84		0.50	0.20	4.25	7.08	8.49			
	3.8	C1-27	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	2.87	2.82	2.75	2.62	2.39	2.14		0.40	0.25	0.46	0.76	0.91			
	4.1	C1-27	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	3.25	3.20	3.12	2.99	2.73	2.44		0.40	0.20	0.49	0.82	0.98			
	0.3	C1-27	S27.2	C	School	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11			
	0.3	C1-27	S27.2	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.60							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														

	17.5	C1-30	S27.2	A	Apartments	32	17	52	13.51	13.43	13.33	13.17	12.83	12.31		0.20	0.40	1.05	1.75	2.10	
	1.5	C1-30	S27.2	B	Apartments	56	36	76	1.23	1.22	1.20	1.17	1.12	1.06		0.20	0.30	0.09	0.15	0.18	
	0.7	C1-30	S27.2	C	Apartments	69	50	86	0.60	0.59	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08	
	0.1	C1-30	S27.2	D	Barren	93	83	99	0.09	0.09	0.08	0.06	0.05	0.03		1.00	0.20	0.03	0.05	0.06	
	44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.63	38.44	38.19	37.75	36.79	35.30		0.10	0.40	1.34	2.23	2.68	
	0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04	
	2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.82	1.81	1.79	1.76	1.69	1.60		0.10	0.25	0.06	0.10	0.12	
	4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.77	3.74	3.71	3.64	3.50	3.31		0.10	0.20	0.12	0.21	0.25	
	0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.64	2.62	2.59	2.55	2.45	2.32		0.10	0.25	0.09	0.15	0.17	
	4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.13	4.11	4.07	3.99	3.84	3.64		0.10	0.20	0.14	0.23	0.27	
	5.7	C1-4	S27.2	C	Residential 10+ dwellings/acre	69	50	86	4.89	4.84	4.77	4.65	4.40	4.11		0.20	0.25	0.34	0.57	0.68	
	2.4	C1-4	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.10	2.08	2.06	2.00	1.90	1.77		0.20	0.20	0.14	0.24	0.29	
	0.5	C1-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.38	0.37	0.36	0.34	0.31	0.28		0.40	0.25	0.06	0.10	0.12	
	5.7	C1-4	S27.2	C	School	69	50	86	3.73	3.62	3.47	3.21	2.77	2.32		0.60	0.25	1.03	1.71	2.05	
	6.7	C1-4	S27.2	D	School	75	57	91	4.76	4.64	4.47	4.18	3.63	3.04		0.60	0.20	1.21	2.01	2.41	
	0.1	C1-4	S27.2	D	Public Park	75	57	91	0.06	0.06	0.05	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.91	0.90	0.89	0.88	0.84	0.80		0.10	0.25	0.03	0.05	0.06	
	0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.83	0.82	0.81	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05	
	0.6	C1-5	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.51	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07	
	0.1	C1-5	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
	0.1	C1-5	S27.2	C	School	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04	
	0.5	C1-5	S27.2	D	School	75	57	91	0.36	0.35	0.33	0.31	0.27	0.23		0.60	0.20	0.09	0.15	0.18	
	1.7	C1-6	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.53	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10	
	4.4	C1-6	S27.2	D	Commercial, Industrial	75	57	91	4.04	4.02	3.98	3.91	3.76	3.56		0.10	0.20	0.13	0.22	0.26	
	0.6	C1-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.51	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07	
	1.3	C1-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.11	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16	
	2.8	C1-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.83	1.78	1.70	1.58	1.36	1.14		0.60	0.25	0.50	0.84	1.01	
	7.1	C1-6	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	5.05	4.92	4.74	4.43	3.85	3.22		0.60	0.20	1.28	2.13	2.56	
	3.3	C1-7	S27.2	C	Commercial, Industrial	69	50	86	3.00	2.96	2.95	2.90	2.79	2.64		0.10	0.25	0.10	0.17	0.20	
	0.4	C1-7	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
	0.1	C1-7	S27.2	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05	
	0.2	C1-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	1.2	C2-1	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.91	0.89	0.87	0.83	0.75	0.68		0.40	0.25	0.14	0.24	0.29	
	0.5	C2-10	S27.2	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27	
	0.2	C2-10	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.12	0.11	0.09		0.60	0.20	0.04	0.06	0.07	
	0.9	C2-11	S27.2	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.39	0.34	0.24	0.15		0.90	0.25	0.24	0.41	0.49	
	0.3	C2-11	S27.2	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
	0.1	C2-11	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04	
	0.1	C2-11	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	0.3	C2-11	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	2.0	C2-12	S27.2	C	Residential 2.5 acre lots	69	50	86	1.00	0.95	0.87	0.75	0.54	0.34		0.90	0.25	0.54	0.90	1.08	
	0.4	C2-12	S27.2	D	Residential 2.5 acre lots	75	57	91	0.23	0.22	0.21	0.19	0.14	0.10		0.90	0.20	0.11	0.18	0.22	
	0.4	C2-12	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27	0.25	0.22	0.19		0.50	0.25	0.06	0.10	0.12	
	0.3	C2-12	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09	
	0.1	C2-13	S27.2	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	1.5	C2-13	S27.2	C	Commercial, Industrial	69	50	86	1.36	1.35	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09	
	0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	2.8	C2-13	S27.2	C	Residential 2.5 acre lots	69	50	86	1.40	1.33	1.22	1.05	0.75	0.48		0.90	0.25	0.76	1.26	1.51	
	1.0	C2-13	S27.2	D	Residential 2.5 acre lots	75	57	91	0.59	0.56	0.53	0.47	0.35	0.24		0.90	0.20	0.27	0.45	0.54	
	0.2	C2-13	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	0.1	C2-13	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03	
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.82	0.81	0.80	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05	
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04	
	6.3	C2-14	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	4.44	4.34	4.19	3.95	3.51	3.06		0.50	0.25	0.95	1.58	1.89	
	3.7	C2-14	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	2.78	2.73	2.64	2.50	2.24	1.94		0.50	0.20	0.56	0.93	1.11	
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.37	1.36	1.34	1.30	1.24	1.15		0.20	0.25	0.10	0.16	0.19	
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.56	9.47	9.34	9.10	8.63	8.04		0.20	0.20	0.65	1.09	1.31	
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.18	1.17	1.16	1.14	1.10	1.04		0.10	0.25	0.04	0.07	0.08	
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.19	1.19	1.17	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08	
	1.1	C2-15	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.93	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13	
	7.0	C2-15	S27.2	D	Residential 10+ dwellings/acre	75	57	91	6.14	6.08	6.00	5.84	5.54	5.16		0.20	0.20	0.42	0.70	0.84	
	0.4	C2-15	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.28	0.28	0.27	0.25	0.22	0.18		0.60	0.20	0.07	0.12	0.14	
	4.9	C2-15	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.45	3.37	3.26	3.07	2.73	2.38		0.50	0.25	0.74	1.23	1.47	
	9.3	C2-15	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	7.00	6.85	6.65	6.29	5.62	4.88		0.50	0.20	1.40	2.33	2.79	
	0.3	C2-15	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07	
	0.1	C2-15	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02	
	3.3	C2-2	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	2.16	2.09	2.01	1.86									

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCII								
	0.2	C2-20	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.14	0.14	0.13	0.12	0.11	0.09		0.60	0.20	0.04	0.06	0.07			
	1.3	C2-21	S27.2	D	Residential 2.5 acre lots	75	57	91	0.76	0.73	0.68	0.60	0.46	0.31		0.90	0.20	0.35	0.59	0.70			
	0.5	C2-21	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.36	0.35	0.33	0.31	0.27	0.23		0.60	0.20	0.09	0.15	0.18			
	0.8	C2-22	S27.2	B	Residential 2.5 acre lots	56	36	76	0.27	0.25	0.22	0.18	0.11	0.07		0.90	0.30	0.22	0.36	0.43			
	1.2	C2-22	S27.2	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.52	0.45	0.32	0.20		0.90	0.25	0.32	0.54	0.65			
	0.2	C2-22	S27.2	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11			
	0.4	C2-22	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.22	0.21	0.20	0.18	0.16	0.14		0.60	0.30	0.07	0.12	0.14			
	1.7	C2-22	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.11	1.08	1.03	0.96	0.82	0.69		0.60	0.25	0.31	0.51	0.61			
	0.1	C2-22	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.05	0.05		0.60	0.20	0.02	0.03	0.04			
	0.8	C2-23	S27.2	C	Apartments	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10			
	0.4	C2-23	S27.2	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.29		0.20	0.20	0.02	0.04	0.05			
	0.9	C2-23	S27.2	B	Public Park	56	36	76	0.33	0.31	0.28	0.23	0.17	0.12		0.85	0.30	0.23	0.38	0.46			
	0.4	C2-23	S27.2	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20			
	0.1	C2-23	S27.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05			
	0.7	C2-23	S27.2	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38			
	3.3	C2-23	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	1.79	1.73	1.65	1.52	1.32	1.17		0.60	0.30	0.59	0.99	1.19			
	2.1	C2-23	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.37	1.33	1.28	1.18	1.02	0.85		0.60	0.25	0.38	0.63	0.76			
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.17	3.14	3.10	3.02	2.86	2.67		0.20	0.25	0.22	0.37	0.44			
	6.8	C2-24	S27.2	D	Apartments	75	57	91	5.96	5.91	5.82	5.68	5.38	5.01		0.20	0.20	0.41	0.68	0.82			
	0.7	C2-24	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.60	0.59	0.59	0.57	0.54	0.51		0.20	0.25	0.04	0.07	0.08			
	2.6	C2-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.28	2.26	2.23	2.17	2.06	1.92		0.20	0.20	0.16	0.26	0.31			
	2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.44	1.40	1.34	1.24	1.07	0.89		0.60	0.25	0.40	0.66	0.79			
	9.9	C2-24	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	7.04	6.86	6.61	6.17	5.37	4.49		0.60	0.20	1.78	2.97	3.56			
	1.3	C2-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.98	0.96	0.93	0.88	0.79	0.68		0.50	0.20	0.20	0.33	0.39			
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.55	1.53	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10			
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.66	2.65	2.62	2.57	2.48	2.34		0.10	0.20	0.09	0.15	0.17			
	3.6	C2-25	S27.2	D	Public Park	75	57	91	2.18	2.10	1.98	1.77	1.39	0.99		0.85	0.20	0.92	1.53	1.84			
	4.5	C2-25	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.86	3.82	3.77	3.67	3.48	3.25		0.20	0.25	0.27	0.45	0.54			
	4.5	C2-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	3.95	3.91	3.85	3.76	3.56	3.32		0.20	0.20	0.27	0.45	0.54			
	0.1	C2-25	S27.2	D	Residential 2.5 acre lots	75	57	91	0.06	0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05	0.05			
	0.8	C2-25	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.60	0.59	0.58	0.55	0.50	0.45		0.40	0.25	0.10	0.16	0.19			
	0.2	C2-25	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.13	0.12		0.40	0.20	0.02	0.04	0.05			
	0.7	C2-26	S27.2	A	Public Park	32	17	52	0.11	0.11	0.10	0.10	0.10	0.09		0.85	0.40	0.18	0.30	0.36			
	8.9	C2-26	S27.2	B	Public Park	56	36	76	3.27	3.06	2.77	2.31	1.65	1.22		0.85	0.30	2.27	3.78	4.54			
	1.2	C2-26	S27.2	C	Public Park	69	50	86	0.63	0.60	0.56	0.49	0.37	0.25		0.85	0.25	0.31	0.51	0.61			
	3.7	C2-26	S27.2	D	Public Park	75	57	91	2.25	2.16	2.03	1.82	1.43	1.02		0.85	0.20	0.94	1.57	1.89			
	7.4	C2-27	S27.2	A	Apartments	32	17	52	5.71	5.68	5.63	5.57	5.43	5.21		0.20	0.40	0.44	0.74	0.89			
	15.0	C2-27	S27.2	B	Apartments	56	36	76	12.31	12.18	12.01	11.71	11.17	10.57		0.20	0.30	0.90	1.50	1.80			
	5.8	C2-27	S27.2	C	Apartments	69	50	86	4.98	4.93	4.85	4.73	4.48	4.19		0.20	0.25	0.35	0.58	0.70			
	2.5	C2-27	S27.2	D	Apartments	75	57	91	2.19	2.17	2.14	2.09	1.98	1.84		0.20	0.20	0.15	0.25	0.30			
	9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.88	7.84	7.79	7.70	7.51	7.20		0.10	0.40	0.27	0.46	0.55			
	1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.34	1.33	1.31	1.29	1.25	1.19		0.10	0.30	0.05	0.08	0.09			
	0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
	0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	2.0	C2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	1.00	0.95	0.87	0.75	0.54	0.34		0.90	0.25	0.54	0.90	1.08			
	8.8	C2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	5.75	5.59	5.35	4.96	4.27	3.58		0.60	0.25	1.58	2.64	3.17			
	0.1	C2-3	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.06	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02			
	4.9	C2-3	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	3.70	3.64	3.54	3.38	3.08	2.76		0.40	0.25	0.59	0.98	1.18			
	0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	4.9	C2-4	S27.2	C	Residential 2.5 acre lots	69	50	86	2.45	2.32	2.14	1.84	1.32	0.83		0.90	0.25	1.32	2.21	2.65			
	1.5	C2-4	S27.2	D	Residential 2.5 acre lots	75	57	91	0.88	0.84	0.79	0.70	0.53	0.36		0.90	0.20	0.41	0.68	0.81			
	1.0	C2-4	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.65	0.63	0.61	0.56	0.49	0.41		0.60	0.25	0.18	0.30	0.36			
	8.8	C2-4	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	6.20	6.06	5.86	5.51	4.90	4.27		0.50	0.25	1.32	2.20	2.64			
	4.2	C2-4	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	3.16	3.09	3.00	2.84	2.54	2.20		0.50	0.20	0.63	1.05	1.26			
	1.1	C2-4	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.83	0.82	0.79	0.76	0.69	0.62		0.40	0.25	0.13	0.22	0.26			
	0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	1.8	C2-5	S27.2	C	Public Park	69	50	86	0.95	0.90	0.84	0.73	0.55	0.38		0.85	0.25	0.46	0.77	0.92			
	0.4	C2-5	S27.2	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.15	0.11		0.85	0.20	0.10	0.17	0.20			
	1.8	C2-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.90	0.85	0.79	0.68	0.49	0.31		0.90	0						

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						P ₂₄ (Inches)								AMC 1/AMCII	5.63								
						II	I	III															

	0.9	C2-6	S27.2	D	Public Park	75	57	91	0.55	0.52	0.49	0.44	0.35	0.25		0.85	0.20	0.23	0.38	0.46
36.4	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	31.23	30.91	30.46	29.66	28.12	26.27		0.20	0.25	2.18	3.64	4.37	
13.6	C2-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	11.93	11.81	11.65	11.36	10.77	10.03		0.20	0.20	0.82	1.36	1.63	
4.7	C2-6	S27.2	C	Residential 2.5 acre lots	69	50	86	2.35	2.23	2.05	1.76	1.27	0.80		0.90	0.25	1.27	2.12	2.54	
2.1	C2-6	S27.2	D	Residential 2.5 acre lots	75	57	91	1.23	1.18	1.10	0.98	0.75	0.50		0.90	0.20	0.57	0.95	1.13	
0.1	C2-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04	
0.3	C2-6	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09	
0.1	C2-6	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03	
0.1	C2-6	S27.2	B	Residential 3-4 dwellings/acre	56	36	76	0.07	0.07	0.06	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02	
9.3	C2-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	7.03	6.90	6.72	6.41	5.85	5.25		0.40	0.25	1.12	1.86	2.23	
0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.71	0.70	0.69	0.66	0.60	0.54		0.40	0.20	0.11	0.18	0.22	
0.3	C2-7	S27.2	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04	
0.6	C2-7	S27.2	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04	
9.1	C2-7	S27.2	C	Commercial, Industrial	69	50	86	8.27	8.22	8.13	7.99	7.69	7.29		0.10	0.25	0.27	0.46	0.55	
6.7	C2-7	S27.2	D	Commercial, Industrial	75	57	91	6.15	6.11	6.06	5.95	5.72	5.42		0.10	0.20	0.20	0.34	0.40	
0.5	C2-7	S27.2	C	Public Park	69	50	86	0.26	0.25	0.23	0.20	0.15	0.10		0.85	0.25	0.13	0.21	0.26	
2.6	C2-7	S27.2	D	Public Park	75	57	91	1.58	1.52	1.43	1.28	1.00	0.72		0.85	0.20	0.66	1.11	1.33	
0.6	C2-7	S27.2	A	Residential 10+ dwellings/acre	32	17	52	0.46	0.46	0.46	0.45	0.44	0.42		0.20	0.40	0.04	0.06	0.07	
2.4	C2-7	S27.2	B	Residential 10+ dwellings/acre	56	36	76	1.97	1.95	1.92	1.87	1.79	1.69		0.20	0.30	0.14	0.24	0.29	
10.6	C2-7	S27.2	C	Residential 10+ dwellings/acre	69	50	86	9.09	9.00	8.87	8.64	8.19	7.65		0.20	0.25	0.64	1.06	1.27	
0.6	C2-7	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.47	0.44		0.20	0.20	0.04	0.06	0.07	
1.9	C2-7	S27.2	C	Residential 2.5 acre lots	69	50	86	0.95	0.90	0.83	0.71	0.51	0.32		0.90	0.25	0.51	0.86	1.03	
0.7	C2-7	S27.2	D	Residential 2.5 acre lots	75	57	91	0.41	0.39	0.37	0.33	0.25	0.17		0.90	0.20	0.19	0.32	0.38	
14.3	C2-7	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	9.35	9.08	8.70	8.06	6.94	5.81		0.60	0.25	2.57	4.29	5.15	
15.3	C2-7	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	10.87	10.60	10.21	9.54	8.29	6.93		0.60	0.20	2.75	4.59	5.51	
0.4	C2-7	S27.2	A	Residential 5-7 dwellings/acre	32	17	52	0.20	0.19	0.19	0.19	0.18	0.18		0.50	0.40	0.06	0.10	0.12	
1.5	C2-7	S27.2	B	Residential 5-7 dwellings/acre	56	36	76	0.92	0.89	0.86	0.81	0.73	0.66		0.50	0.30	0.23	0.38	0.45	
5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.59	3.51	3.39	3.20	2.84	2.47		0.50	0.25	0.77	1.28	1.53	
0.9	C2-7	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	0.68	0.66	0.64	0.61	0.54	0.47		0.50	0.20	0.14	0.23	0.27	
3.5	C2-7	S27.2	B	Residential 8-10 dwellings/acre	56	36	76	2.38	2.34	2.27	2.17	2.00	1.85		0.40	0.30	0.42	0.70	0.84	
8.4	C2-7	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	6.35	6.23	6.07	5.79	5.28	4.74		0.40	0.25	1.01	1.68	2.02	
2.8	C2-7	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	2.22	2.19	2.13	2.04	1.87	1.67		0.40	0.20	0.34	0.56	0.67	
0.6	C2-7	S27.2	B	School	56	36	76	0.33	0.31	0.30	0.28	0.24	0.21		0.60	0.30	0.11	0.18	0.22	
1.5	C2-7	S27.2	C	School	69	50	86	0.98	0.95	0.91	0.85	0.73	0.61		0.60	0.25	0.27	0.45	0.54	
3.5	C2-7	S27.2	D	School	75	57	91	2.49	2.43	2.34	2.18	1.90	1.59		0.60	0.20	0.63	1.05	1.26	
0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04	
0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01	
0.4	C2-8	S27.2	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
5.7	C2-8	S27.2	B	Public Park	56	36	76	2.10	1.96	1.77	1.48	1.06	0.78		0.85	0.30	1.45	2.42	2.91	
4.5	C2-8	S27.2	C	Public Park	69	50	86	2.37	2.25	2.09	1.83	1.37	0.94		0.85	0.25	1.15	1.91	2.30	
9.4	C2-8	S27.2	D	Public Park	75	57	91	5.70	5.48	5.17	4.62	3.63	2.59		0.80	0.20	2.40	4.00	4.79	
0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01		1.00	0.25	0.06	0.10	0.12	
1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.69	0.66	0.62	0.22	0.10	0.02		1.00	0.25	0.36	0.60	0.72	
1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	1.10	1.06	1.00	0.42	0.23	0.08		1.00	0.25	0.51	0.85	1.02	
0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.44	0.43	0.41	0.21	0.14	0.07		1.00	0.20	0.18	0.30	0.36	
1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.76	0.72	0.67	0.21	0.09	0.01		1.00	0.25	0.42	0.70	0.84	
0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.23	0.10	0.06	0.02		1.00	0.20	0.12	0.20	0.24	
8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	5.42	5.22	4.93	2.06	1.16	0.41		1.00	0.25	2.52	4.20	5.04	
9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.74	6.56	6.30	3.26	2.17	1.12		1.00	0.20	2.76	4.60	5.52	
2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.56	1.49	1.39	0.48	0.23	0.05		1.00	0.25	0.81	1.35	1.62	
0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.41	0.39	0.38	0.17	0.10	0.04		1.00	0.20	0.18	0.30	0.36	
1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.87	0.83	0.77	0.24	0.10	0.01		1.00	0.25	0.48	0.80	0.96	
1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.65	0.62	0.59	0.24	0.14	0.05		1.00	0.20	0.30	0.50	0.60	
5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.55	3.42	3.23	1.35	0.76	0.27		1.00	0.25	1.65	2.75	3.30	
6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	4.99	4.85	4.66	2.41	1.61	0.83		1.00	0.20	2.04	3.40	4.08	
1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	1.04	0.99	0.92	0.32	0.15	0.03		1.00	0.25	0.54	0.90	1.08	
2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.70	1.64	1.56	0.71	0.43	0.18		1.00	0.20	0.75	1.25	1.50	
0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.35	0.33	0.31	0.11	0.05	0.01		1.00	0.25	0.18	0.30	0.36	
0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.43	3.26	3.02	0.95	0.41	0.05		1.00	0.25	1.89	3.15	3.78	
0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12	
5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.81	3.67	3.46	1.44	0.81	0.29		1.00	0.25	1.77	2.95	3.54	
12.7	OC1-5	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	9.31	9.06	8.70	4.50	3.00	1.54		1.00	0.20	3.81	6.35	7.62	
6.8	OC1-5	S27.2	C	Open Brush, Fair	77	59	92	3.93	3.75	3.49	1.22	0.58	0.12		1.00	0.25	2.04	3.40	4.08	
3.2	OC1-5	S27.2	D	Open Brush, Fair	83	67	96	2.18	2.10	2.00	0.91	0.55	0.23		1.00	0.20	0.96	1.60	1.92	
1.0	OC1-5	S27.2	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.44	0.38	0.27	0.17		0.90	0.25	0.27	0.45	0.54	
2.7	OC1-5	S27.2	D	Residential 2.5 acre lots	75	57	91	1.58	1.52	1.42	1.26	0.96	0.65		0.90	0.20	0.73	1.22	1.46	
0.5	OC1-5	S27.2	C	Woodland, Grass, Fair	77	59	92	0.29	0.28	0.26	0.09	0.04	0.01		1.00	0.25	0.15	0.25	0.30	
0.1	OC1-5	S27.2	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
0.5	OC1-6	S27.2	A	Chaparral, Broadleaf, Fair	40	23	60	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III						AMC 1/AMCII									

	0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36	
	1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.30	1.29	1.28	1.27	1.24	1.19		0.10	0.40	0.05	0.08	0.09	
	0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04	
	1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.45	1.44	1.43	1.40	1.35	1.28		0.10	0.25	0.05	0.08	0.10	
	1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07	
	0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.02	0.02	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05	
	3.8	OC1-6	S27.2	C	Public Park	69	50	86	2.00	1.90	1.77	1.55	1.16	0.80		0.85	0.25	0.97	1.62	1.94	
	2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.52	1.46	1.37	1.23	0.97	0.69		0.85	0.20	0.64	1.06	1.28	
	0.1	OC1-6	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.08	0.07	0.07	0.07	0.06	0.06		0.40	0.25	0.01	0.02	0.02	
	1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.26	0.23	0.18	0.00	0.00	0.00		1.00	0.40	0.42	0.70	0.84	
	2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.71	1.64	1.54	0.59	0.31	0.09		1.00	0.25	0.84	1.40	1.68	
	0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.4	OC1-6	S27.2	A	Open Brush, Fair	46	28	66	0.06	0.05	0.04	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24	
	0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18	
	3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	1.96	1.87	1.75	0.61	0.29	0.06		1.00	0.25	1.02	1.70	2.04	
	0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.54	0.53	0.50	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.48	
	2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.28	0.25	0.24	0.23	0.22	0.21		0.90	0.40	0.65	1.08	1.30	
	0.7	OC1-6	S27.2	B	Residential 2.5 acre lots	56	36	76	0.23	0.22	0.19	0.15	0.10	0.07		0.90	0.30	0.19	0.32	0.38	
	3.5	OC1-6	S27.2	C	Residential 2.5 acre lots	69	50	86	1.75	1.66	1.53	1.31	0.94	0.59		0.90	0.25	0.95	1.58	1.89	
	1.1	OC1-6	S27.2	D	Residential 2.5 acre lots	75	57	91	0.64	0.62	0.58	0.51	0.39	0.26		0.90	0.20	0.30	0.50	0.59	
	0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	1.10	1.05	0.98	0.34	0.16	0.03		1.00	0.25	0.57	0.95	1.14	
	0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06	
	1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.75	0.72	0.67	0.23	0.11	0.02		1.00	0.25	0.39	0.65	0.78	
	0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.07	0.07	0.04	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.98	0.94	0.87	0.30	0.15	0.03		1.00	0.25	0.51	0.85	1.02	
	0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	2.14	2.04	1.90	0.66	0.32	0.07		1.00	0.25	1.11	1.85	2.22	
	1.2	OC2-3	S27.2	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.52	0.45	0.32	0.20		0.90	0.25	0.32	0.54	0.65	
	1.2	OC2-3	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	0.78	0.76	0.73	0.68	0.58	0.49		0.60	0.25	0.22	0.36	0.43	
	0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	0.3		S27.3	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15	
	0.4		S27.3	A	Public Park	32	17	52	0.06	0.06	0.06	0.06	0.05	0.05		0.85	0.40	0.10	0.17	0.20	
	0.6		S27.3	B	Public Park	56	36	76	0.22	0.21	0.19	0.16	0.11	0.08		0.85	0.30	0.15	0.26	0.31	
	1.1		S27.3	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07	
	1.2		S27.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.23	0.19	0.16	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72	
	4.9		S27.3	A	Open Brush, Fair	46	28	66	0.70	0.58	0.44	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94	
	5.4		S27.3	A	Woodland, Grass, Fair	44	26	64	0.65	0.53	0.39	0.00	0.00	0.00		1.00	0.40	1.62	2.70	3.24	
	6.9		S27.3	B	Chaparral, Broadleaf, Fair	63	43	81	2.48	2.28	2.00	0.20	0.00	0.00		1.00	0.30	2.07	3.45	4.14	
	9.2		S27.3	D	Woodland, Grass, Fair	82	66	95	6.09	5.88	5.58	2.43	1.43	0.55		1.00	0.20	2.76	4.60	5.52	
	9.3		S27.3	B	Grass, Annual or Perennial, Fair	69	50	86	4.18	3.91	3.53	0.73	0.17	0.00		1.00	0.30	2.79	4.65	5.58	
	15.8		S27.3	D	Chaparral, Broadleaf, Fair	81	64	95	10.19	9.82	9.28	3.87	2.18	0.77		1.00	0.20	4.74	7.90	9.48	
	20.3		S27.3	D	Grass, Annual or Perennial, Fair	84	69	96	14.16	13.72	13.09	6.22	3.90	1.76		1.00	0.20	6.09	10.15	12.18	
	25.5		S27.3	B	Open Brush, Fair	66	46	84	10.30	9.55	8.52	1.28	0.14	0.00		1.00	0.30	7.65	12.75	15.30	
	27.2		S27.3	B	Woodland, Grass, Fair	65	45	83	10.58	9.78	8.68	1.14	0.08	0.00		1.00	0.30	8.16	13.60	16.32	
	29.1		S27.3	C	Grass, Annual or Perennial, Fair	79	62	93	17.78	17.05	16.00	6.10	3.18	0.89		1.00	0.25	8.73	14.55	17.46	
	53.6		S27.3	D	Open Brush, Fair	83	67	96	36.44	35.25	33.52	15.28	9.27	3.90		1.00	0.20	16.08	26.80	32.16	
	66.8		S27.3	C	Woodland, Grass, Fair	77	59	92	38.57	36.82	34.32	11.98	5.71	1.19		1.00	0.25	20.04	33.40	40.08	
	90.8		S27.3	C	Open Brush, Fair	77	59	92	52.43	50.04	46.65	16.28	7.76	1.62		1.00	0.25	27.24	45.40	54.48	
	102.9		S27.3	C	Chaparral, Broadleaf, Fair	75	57	91	56.02	53.22	49.26	15.55	6.64	0.86		1.00	0.25	30.87	51.45	61.74	
	0.7	S27.3-1	S27.3	A	Residential 5-7 dwellings/acre	32	17	52	0.34	0.34	0.33	0.33	0.32	0.31		0.50	0.40	0.11	0.18	0.21	
	0.9	S27.3-1	S27.3	B	Public Park	56	36	76	0.33	0.31	0.28	0.23	0.17	0.12		0.85	0.30	0.23	0.38	0.46	
	3.4	S27.3-1	S27.3	A	Commercial, Industrial	32	17	52	2.94	2.93	2.91	2.88	2.80	2.69		0.10	0.40	0.10	0.17	0.20	
	3.6	S27.3-1	S27.3	A	Woodland, Grass, Fair	44	26	64	0.43	0.36	0.26	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16	
	10.1	S27.3-1	S27.3	A	Public Park	32	17	52	1.64	1.55	1.47	1.42	1.39	1.33		0.85	0.40	2.58	4.29	5.15	
	17.4	S27.3-1	S27.3	A	Open Brush, Fair	46	28	66	2.47	2.07	1.56	0.00	0.00	0.00		1.00	0.40	5.22	8.70	10.44	
	0.2	S27.3-3	S27.3	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12	
	0.2	S27.3-3	S27.3	A	Barren	78	61	93	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.40	0.06	0.10	0.12	
	0.2	S27.3-3	S27.3	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.03	0.01		1.00	0.20	0.06	0.10	0.12	
	0.3	S27.3-3	S27.3	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.10	0.01	0.00	0.00		1.00	0.30	0.09	0.15	0.18	
	0.3	S27.3-3	S27.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100								
						AMC		P ₂₄ (Inches)							5.63							
								II	I	III	AMC 1/AMCII											
PA5 Line XX	39.55	P503XX	S29-2-2	C	Open Brush, Fair	77	59	92	22.84	21.80	20.32	7.09	3.38	0.71	1.00	0.25	11.87	19.78	23.73			
PA5 Line XX	19.10	P503XX	S29-2-2	D	Open Brush, Fair	83	67	96	12.98	12.56	11.95	5.44	3.30	1.39	1.00	0.20	5.73	9.55	11.46			
PA5 Line XX	18.40	P503XX	S29-2-2	D	Public Park	75	57	91	11.16	10.73	10.11	9.05	7.11	5.07	0.85	0.20	4.69	7.82	9.38			
PA5 Line XX	5.30	P503XX	S29-2-2	B	Woodland, Grass, Fair	65	45	83	2.06	1.91	1.69	0.22	0.02	0.00	1.00	0.30	1.59	2.65	3.18			
PA5 Line XX	34.70	P503XX	S29-2-2	C	Woodland, Grass, Fair	77	59	92	20.04	19.12	17.83	6.22	2.97	0.62	1.00	0.25	10.41	17.35	20.82			
PA5 Line XX	1.30	P503XX	S29-2-2	D	Woodland, Grass, Fair	82	66	95	0.86	0.83	0.79	0.34	0.20	0.08	1.00	0.20	0.39	0.65	0.78			
PA5 Line XX	6.20		S29-1	C	Chaparral, Broadleaf, Fair	75	57	91	3.38	3.21	2.97	0.94	0.40	0.05	1.00	0.25	1.86	3.10	3.72			
PA5 Line XX	0.40		S29-1	D	Chaparral, Broadleaf, Fair	81	64	95	0.26	0.25	0.23	0.10	0.06	0.02	1.00	0.20	0.12	0.20	0.24			
PA5 Line XX	0.30		S29-1	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24	1.00	0.40	0.01	0.02	0.02			
PA5 Line XX	5.30		S29-1	B	Commercial, Industrial	56	36	76	4.72	4.69	4.64	4.56	4.40	4.20	0.10	0.30	0.16	0.27	0.32			
PA5 Line XX	23.30		S29-1	C	Commercial, Industrial	69	50	86	21.18	21.04	20.83	20.45	19.68	18.65	0.10	0.25	0.70	1.17	1.40			
PA5 Line XX	2.60		S29-1	D	Commercial, Industrial	75	57	91	2.39	2.37	2.35	2.31	2.22	2.10	1.00	0.20	0.08	0.13	0.16			
PA5 Line XX	8.20		S29-1	B	Grass, Annual or Perennial, Fair	69	50	86	3.68	3.45	3.11	0.65	0.15	0.00	1.00	0.30	2.46	4.10	4.92			
PA5 Line XX	37.40		S29-1	C	Grass, Annual or Perennial, Fair	79	62	93	22.85	21.91	20.57	7.84	4.08	1.15	1.00	0.25	11.22	18.70	22.44			
PA5 Line XX	21.60		S29-1	D	Grass, Annual or Perennial, Fair	84	69	96	15.06	14.60	13.93	6.62	4.15	1.88	1.00	0.20	6.48	10.80	12.96			
PA5 Line XX	0.20		S29-1	B	Open Brush, Fair	66	46	84	0.08	0.07	0.07	0.01	0.00	0.00	1.00	0.30	0.06	0.10	0.12			
PA5 Line XX	32.30		S29-1	C	Open Brush, Fair	77	59	92	18.65	17.80	16.59	5.79	2.76	0.58	1.00	0.25	9.69	16.15	19.38			
PA5 Line XX	1.60		S29-1	D	Open Brush, Fair	83	67	96	1.09	1.05	1.00	0.46	0.28	0.12	1.00	0.20	0.48	0.80	0.96			
PA5 Line XX	21.60		S29-1	A	Public Park	32	17	52	3.50	3.31	3.14	3.05	2.97	2.85	0.85	0.40	5.51	9.18	11.02			
PA5 Line XX	32.10		S29-1	B	Public Park	56	36	76	11.81	11.02	9.98	8.35	5.96	4.38	0.85	0.30	8.19	13.64	16.37			
PA5 Line XX	136.90		S29-1	C	Public Park	69	50	86	72.00	68.55	63.73	55.67	41.81	28.66	0.85	0.25	34.91	58.18	69.82			
PA5 Line XX	9.40		S29-1	D	Public Park	75	57	91	5.70	5.48	5.17	4.62	3.63	2.59	0.85	0.20	2.40	4.00	4.79			
PA5 Line XX	268.30		S29-1	C	Residential 1 acre lots	69	50	86	147.96	141.53	132.57	117.54	91.58	66.75	0.80	0.25	64.39	107.32	128.78			
PA5 Line XX	67.40		S29-1	D	Residential 1 acre lots	75	57	91	42.30	40.78	38.63	34.92	28.13	20.97	0.80	0.20	16.18	26.96	32.35			
12903	1.30		S29-1	B	Residential 2 dwellings/acre	56	36	76	0.61	0.59	0.55	0.49	0.41	0.35	0.70	0.30	0.27	0.46	0.55			
12903	77.00		S29-1	C	Residential 2 dwellings/acre	69	50	86	46.40	44.75	42.44	38.57	31.82	25.23	0.70	0.25	16.17	26.95	32.34			
12903	28.80		S29-1	D	Residential 2 dwellings/acre	75	57	91	19.27	18.69	17.87	16.44	13.82	11.01	0.70	0.20	6.05	10.08	12.10			
12903	20.00		S29-1	B	Residential 3-4 dwellings/acre	56	36	76	10.84	10.47	9.98	9.20	8.01	7.10	0.60	0.30	3.60	6.00	7.20			
12903	159.90		S29-1	C	Residential 3-4 dwellings/acre	69	50	86	104.51	101.49	97.27	90.14	77.57	64.99	0.60	0.25	28.78	47.97	57.56			
12903	13.90		S29-1	D	Residential 3-4 dwellings/acre	75	57	91	9.88	9.63	9.28	8.67	7.54	6.30	0.60	0.20	2.50	4.17	5.00			
12903	8.30		S29-1	B	Residential 5-7 dwellings/acre	56	36	76	5.08	4.95	4.77	4.48	4.04	3.67	0.50	0.30	1.25	2.08	2.49			
12903	37.00		S29-1	C	Residential 5-7 dwellings/acre	69	50	86	26.07	25.47	24.62	23.18	20.61	17.95	0.50	0.25	5.55	9.25	11.10			
12903	4.20		S29-1	D	Residential 5-7 dwellings/acre	75	57	91	3.16	3.09	3.00	2.84	2.54	2.20	0.50	0.20	0.63	1.05	1.26			
12903	1.30		S29-1	A	Residential 8-10 dwellings/acre	32	17	52	0.76	0.75	0.74	0.73	0.71	0.69	0.40	0.40	0.16	0.26	0.31			
12903	11.30		S29-1	B	Residential 8-10 dwellings/acre	56	36	76	7.70	7.55	7.34	7.01	6.47	5.99	0.40	0.30	1.36	2.26	2.71			
12903	54.80		S29-1	C	Residential 8-10 dwellings/acre	69	50	86	41.41	40.66	39.60	37.77	34.46	30.91	0.40	0.25	6.58	10.96	13.15			
12903	15.40		S29-1	D	Residential 8-10 dwellings/acre	75	57	91	12.22	12.02	11.74	11.23	10.27	9.17	0.40	0.20	1.85	3.08	3.70			
12903	0.50		S29-1	B	Woodland, Grass, Fair	65	45	83	0.19	0.18	0.16	0.02	0.00	0.00	1.00	0.30	0.15	0.25	0.30			
12903	8.40		S29-1	C	Woodland, Grass, Fair	77	59	92	4.85	4.63	4.32	1.51	0.72	0.15	1.00	0.25	2.52	4.20	5.04			
12903	3.50		S29-1	D	Woodland, Grass, Fair	82	66	95	2.32	2.24	2.12	0.93	0.54	0.21	1.00	0.20	1.05	1.75	2.10			
12903	0.22	P504XX	S29-2	B	Barren	86	72	97	0.16	0.16	0.15	0.08	0.05	0.03	1.00	0.30	0.07	0.11	0.13			
12903	4.49	P504XX	S29-2	C	Barren	91	80	98	3.70	3.64	3.55	2.26	1.73	1.14	1.00	0.25	1.35	2.25	2.69			
12903	0.02	P504XX	S29-2	B	Chaparral, Broadleaf, Fair	63	43	81	0.01	0.01	0.01	0.00	0.00	0.00	1.00	0.30	0.01	0.01	0.01			
	1.01	P504XX	S29-2	C	Chaparral, Broadleaf, Fair	75	57	91	0.55	0.52	0.49	0.15	0.07	0.01	1.00	0.25	0.30	0.51	0.61			
	0.45	P504XX	S29-2	B	Commercial, Industrial	56	36	76	0.40	0.39	0.39	0.38	0.37	0.35	0.10	0.30	0.01	0.02	0.03			
	1.36	P504XX	S29-2	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.15	1.09	0.10	0.25	0.04	0.07	0.08			
	2.89	P504XX	S29-2	B	Grass, Annual or Perennial, Fair	69	50	86	1.30	1.21	1.10	0.23	0.05	0.00	1.00	0.30	0.87	1.44	1.73			
	20.30	P504XX	S29-2	C	Grass, Annual or Perennial, Fair	79	62	93	12.40	11.89	11.16	4.25	2.22	0.62	1.00	0.25	6.09	10.15	12.18			
	1.51	P504XX	S29-2	D	Grass, Annual or Perennial, Fair	84	69	96	1.05	1.02	0.98	0.46	0.29	0.13	1.00	0.20	0.45	0.76	0.91			
	1.47	P504XX	S29-2	D	Meadows or Cienegas, Fair	84	69	96	1.03	1.00	0.95	0.45	0.28	0.13	1.00	0.20	0.44	0.74	0.88			
	2.33	P504XX	S29-2	B	Open Brush, Fair	66	46	84	0.94	0.87	0.78	0.12	0.01	0.00	1.00	0.30	0.70	1.16	1.40			
	11.34	P504XX	S29-2	C	Open Brush, Fair	77	59	92	6.55	6.25	5.83	2.03	0.97	0.20	1.00	0.25	3.40	5.67	6.80			
	10.50	P504XX	S29-2	D	Open Brush, Fair	83	67	96	7.14	6.90	6.57	2.99	1.82	0.76	1.00	0.20	3.15	5.25	6.30			
	1.18	P504XX	S29-2	D	Public Park	75	57	91	0.72	0.69	0.65	0.58	0.46	0.33	0.85	0.20	0.30	0.50	0.60			
	0.42	P504XX	S29-2	B	Row Crops, Good	78	61	93	0.25	0.24	0.22	0.08	0.04	0.01	1.00	0.30	0.12	0.21	0.25			
	0.03	P504XX	S29-2	C	Row Crops, Good	85	70	97	0.02	0.02	0.02	0.01	0.01	0.00	1.00	0.25	0.01	0.02	0.02			
	2.22	P504XX	S29-2	B	Woodland, Grass, Fair	65	45	83	0.87	0.80	0.71	0.09	0.01	0.00	1.00	0.30	0.67	1.11	1.33			
	8.73	P504XX	S29-2	C	Woodland, Grass, Fair	77	59	92	5.04	4.81	4.49	1.57	0.75	0.16	1.00	0.25	2.62	4.37	5.24			
	0.22	P504XX	S29-2	D	Woodland, Grass, Fair	82	66	95	0.15	0.14	0.13	0.06	0.03	0.01	1.00	0.20	0.07	0.11	0.13			
	0.20	S29-2-1	S29-2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16	0.10	0.25	0.01	0.01	0.01			
	0.40	S29-2-1	S29-2	C	Residential 5-7 dwellings/acre	69	50	86	0.28	0.28	0.27	0.25	0.22	0.19	0.50	0.25	0.06	0.10	0.12			
	0.50	S29-2-1	S29-2	B	Residential 2.5 acre lots	56	36	76	0.17	0.15	0.14	0.11	0.07	0.05	0.90	0.30	0.14	0.23	0.27			
	0.60	S29-2-1	S29-2	B	Woodland, Grass, Fair	65	45	83	0.23	0.22	0.19	0.03	0.00	0.00	1.00	0.30	0.18	0.30	0.36			
	0.70	S29-2-1	S29-2	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55	0.10	0.30	0.02	0.04	0.04			
	0.70	S29-2-1	S29-2	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12	0.90	0.25	0.19	0.32	0.38			
	0.70	S29-2-1	S29-2	B	Public Park	56	36	76	0.26	0.24	0.22	0.18	0.13	0.10	0.85	0.30	0.18	0.30	0.36			
	1.00	S29-2-1	S29-2	C	Woodland, Grass, Fair	77	59	92	0.58	0.55	0.51	0.18	0.09	0.02	1.00	0.25	0.30	0.50	0.60			
	1.40	S29-2-1	S29-2	B	Open Brush, Fair																	

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

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PA-3&4 (Ultimate Conditions)

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								Storm Event (Year)										Storm Event (Year)									
						AMC			P ₂₄ (Inches)					EV					EV			HC					
						II	I	III	100	50	25	10	5	2	100			HC					> 5	5	2	All	HC
																		AMC 1/AMCII									
							0.1	B-23	S29.3	D	Residential 2.5 acre lots	75	57	91	0.06			0.06	0.05	0.05	0.04	0.02		0.90	0.20	0.03	0.05
	0.2	B-23	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.11	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06							
	0.1	B-23	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03							
	0.5	B-23	S29.3	B	Residential 8-10 dwellings/acre	56	36	76	0.34	0.33	0.32	0.31	0.29	0.26		0.40	0.30	0.06	0.10	0.12							
	1.4	B-23	S29.3	C	Residential 8-10 dwellings/acre	69	50	86	1.06	1.04	1.01	0.97	0.88	0.79		0.40	0.25	0.17	0.28	0.34							
	7.4	B-23	S29.3	D	Residential 8-10 dwellings/acre	75	57	91	5.87	5.78	5.64	5.40	4.93	4.41		0.40	0.20	0.89	1.48	1.78							
	3.2	B-27	S29.3	B	Commercial, Industrial	56	36	76	2.85	2.83	2.80	2.75	2.66	2.53		0.10	0.30	0.10	0.16	0.19							
	0.7	B-27	S29.3	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04							
	0.9	B-27	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.74	0.73	0.72	0.70	0.67	0.63		0.20	0.30	0.05	0.09	0.11							
	0.3	B-27	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04							
	2.0	B-28	S29.3	A	Commercial, Industrial	32	17	52	1.73	1.72	1.71	1.69	1.65	1.58		0.10	0.40	0.06	0.10	0.12							
	4.6	B-28	S29.3	B	Commercial, Industrial	56	36	76	4.10	4.07	4.03	3.96	3.82	3.64		0.10	0.30	0.14	0.23	0.28							
	5.6	B-28	S29.3	C	Commercial, Industrial	69	50	86	5.09	5.06	5.01	4.92	4.73	4.48		0.10	0.25	0.17	0.28	0.34							
	1.6	B-28	S29.3	C	Open Brush, Fair	77	59	92	0.92	0.88	0.82	0.29	0.14	0.03		1.00	0.25	0.48	0.80	0.96							
	0.7	B-28	S29.3	B	Orchards, Evergreen, Fair	65	45	83	0.27	0.25	0.22	0.03	0.00	0.00		1.00	0.30	0.21	0.35	0.42							
	0.2	B-28	S29.3	D	Orchards, Evergreen, Fair	82	66	95	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12							
	7.3	B-28	S29.3	B	Public Park	56	36	76	2.69	2.51	2.27	1.90	1.35	1.00		0.85	0.30	1.86	3.10	3.72							
	0.8	B-28	S29.3	C	Public Park	69	50	86	0.42	0.40	0.37	0.33	0.24	0.17		0.85	0.25	0.20	0.34	0.41							
	0.2	B-28	S29.3	D	Public Park	75	57	91	0.12	0.12	0.11	0.10	0.08	0.06		0.85	0.20	0.05	0.09	0.10							
	0.1	B-28	S29.3	A	Residential 2.5 acre lots	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.90	0.40	0.03	0.05	0.05							
	4.0	B-28	S29.3	B	Residential 2.5 acre lots	56	36	76	1.33	1.23	1.09	0.88	0.57	0.37		0.90	0.30	1.08	1.80	2.16							
	4.2	B-28	S29.3	C	Residential 2.5 acre lots	69	50	86	2.10	1.99	1.84	1.58	1.13	0.71		0.90	0.25	1.13	1.89	2.27							
	2.3	B-28	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	1.41	1.37	1.32	1.24	1.12	1.02		0.50	0.30	0.35	0.58	0.69							
	0.5	B-28	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.35	0.34	0.33	0.31	0.28	0.24		0.50	0.25	0.08	0.13	0.15							
	0.1	B-28	S29.3	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06							
	0.4	B-28	S29.3	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24							
	0.3	B-5	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02							
	0.3	B-5	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02							
	0.2	B-5	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.16	0.16	0.16	0.16	0.15	0.14		0.20	0.30	0.01	0.02	0.02							
	0.6	B-5	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.51	0.51	0.50	0.49	0.46	0.43		0.20	0.25	0.04	0.06	0.07							
	0.1	B-5	S29.3	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05							
	0.4	B-6	S29.3	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02							
	0.5	B-6	S29.3	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03							
	0.8	B-6	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.69	0.68	0.67	0.65	0.62	0.58		0.20	0.25	0.05	0.08	0.10							
	0.4	B-6	S29.3	B	Residential 2.5 acre lots	56	36	76	0.13	0.12	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22							
	1.2	B-6	S29.3	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.52	0.45	0.32	0.20		0.90	0.25	0.32	0.54	0.65							
	0.3	B-7	S29.3	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02							
	0.4	B-7	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02							
	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		0.20	0.30	0.01	0.01	0.01							
	0.3	B-7	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.26	0.25	0.25	0.24	0.23	0.22		0.20	0.25	0.02	0.03	0.04							
	0.2	B-7	S29.3	B	Residential 2.5 acre lots	56	36	76	0.07	0.06	0.05	0.04	0.03	0.02		0.90	0.30	0.05	0.09	0.11							
	1.5	B-7	S29.3	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.56	0.40	0.25		0.90	0.25	0.41	0.68	0.81							
	0.7	B-8	S29.3	B	Commercial, Industrial	56	36	76	0.62	0.62	0.61	0.60	0.58	0.55		0.10	0.30	0.02	0.04	0.04							
	2.5	B-8	S29.3	C	Commercial, Industrial	69	50	86	2.27	2.26	2.23	2.19	2.11	2.00		0.10	0.25	0.08	0.13	0.15							
	0.3	B-8	S29.3	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02							
	0.3	B-8	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.25	0.24	0.24	0.23	0.22	0.21		0.20	0.30	0.02	0.03	0.04							
	0.1	B-8	S29.3	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01							
	0.2	B-8	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02							
	2.6	B-8	S29.3	B	Residential 2.5 acre lots	56	36	76	0.87	0.80	0.71	0.57	0.37	0.24		0.90	0.30	0.70	1.17	1.40							
	9.3	B-8	S29.3	C	Residential 2.5 acre lots	69	50	86	4.65	4.41	4.06	3.49	2.51	1.58		0.90	0.25	2.51	4.19	5.02							
	1.5	B-8	S29.3	D	Residential 2.5 acre lots	75	57	91	0.88	0.84	0.79	0.70	0.53	0.36		0.90	0.20	0.41	0.68	0.81							
	2.4	B-9	S29.3	B	Commercial, Industrial	56	36	76	2.14	2.12	2.10	2.07	1.99	1.90		0.10	0.30	0.07	0.12	0.14							
	0.2	B-9	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01							
	0.3	B-9	S29.3	D	Commercial, Industrial	75	57	91	0.23	0.23	0.23	0.22	0.21	0.20		0.10	0.20	0.01	0.01	0.02							
	2.1	B-9	S29.3	B	Residential 2.5 acre lots	56	36	76	0.68	0.63	0.56	0.45	0.29	0.19		0.90	0.30	0.55	0.92	1.11							
	0.3	B-9	S29.3	C	Residential 2.5 acre lots	69	50	86	0.15	0.14	0.13	0.11	0.08	0.05		0.90	0.25	0.08	0.14	0.16							
	0.5	B-9	S29.3	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27							
	2.17		S30	A	Apartments	32	17	52	1.68	1.67	1.65	1.63	1.59	1.53		0.20	0.40	0.13	0.22	0.26							
	19.41		S30	B	Apartments	56	36	76	15.93	15.76	15.54	15.15	14.45	13.68		0.20	0.30	1.16	1.94	2.33							
	1.31		S30	C	Apartments	69	50	86	1.12	1.11	1.10	1.07	1.01	0.95		0.20	0.25	0.08	0.13	0.16							
	0.63		S30	D	Apartments	75	57	91	0.55	0.55	0.54	0.53	0.50	0.46		0.20	0.20	0.04	0.06	0.08							
	0.68		S30	C	Chaparral, Broadleaf, Fair	75	57	91	0.37	0.35	0.33	0.10	0.04	0.01		1.00	0.25	0.20	0.34	0.41							
	0.01		S30	A	Condominiums	32																					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100								
								AMC				P ₂₄ (Inches)										
								II	I	III												
	37.38		S30	B	Open Brush, Fair	66	46	84	15.10	14.00	12.48	1.87	0.21	0.00		1.00	0.30	11.21	18.69	22.43		
	452.58		S30	C	Open Brush, Fair	77	59	92	261.31	249.43	232.51	81.17	38.67	8.07		1.00	0.25	135.77	226.29	271.55		
	8.00		S30	D	Open Brush, Fair	83	67	96	5.44	5.26	5.00	2.28	1.38	0.58		1.00	0.20	24.00	4.00	4.80		
	20.05		S30	B	Orchards, Evergreen, Fair	65	45	83	7.80	7.21	6.40	0.84	0.06	0.00		1.00	0.30	6.02	10.03	12.03		
	35.24		S30	C	Orchards, Evergreen, Fair	77	59	92	20.35	19.42	18.10	6.32	3.01	0.63		1.00	0.25	10.57	17.62	21.14		
	3.87		S30	A	Public Park	32	17	52	0.63	0.59	0.56	0.55	0.53	0.51		0.85	0.40	0.99	1.64	1.97		
	16.21		S30	B	Public Park	56	36	76	5.96	5.57	5.04	4.22	3.01	2.21		0.85	0.30	4.13	6.89	8.27		
	14.26		S30	C	Public Park	69	50	86	7.50	7.14	6.64	5.80	4.36	2.99		0.85	0.25	3.64	6.06	7.27		
	0.76		S30	D	Public Park	75	57	91	0.46	0.44	0.42	0.37	0.29	0.21		0.85	0.20	0.19	0.32	0.39		
	38.41		S30	B	Residential 1 acre lots	56	36	76	15.47	14.57	13.38	11.53	8.78	6.92		0.80	0.30	9.22	15.36	18.44		
	29.50		S30	C	Residential 1 acre lots	69	50	86	16.27	15.56	14.58	12.92	10.07	7.34		0.80	0.25	7.08	11.80	14.16		
	7.64		S30	A	Residential 2 dwellings/acre	32	17	52	2.31	2.26	2.20	2.16	2.10	2.02		0.70	0.40	1.60	2.67	3.21		
	96.41		S30	B	Residential 2 dwellings/acre	56	36	76	45.54	43.54	40.85	36.65	30.32	25.81		0.70	0.30	20.25	33.74	40.49		
	125.34		S30	C	Residential 2 dwellings/acre	69	50	86	75.52	72.84	69.09	62.78	51.79	41.06		0.70	0.25	26.32	43.87	52.64		
	23.54		S30	D	Residential 2 dwellings/acre	75	57	91	15.75	15.28	14.60	13.44	11.29	9.00		0.70	0.20	4.94	8.24	9.89		
	1.01		S30	A	Residential 3-4 dwellings/acre	32	17	52	0.40	0.39	0.39	0.38	0.37	0.36		0.60	0.40	0.18	0.30	0.36		
	86.85		S30	B	Residential 3-4 dwellings/acre	56	36	76	47.07	45.48	43.34	39.97	34.79	30.84		0.60	0.30	15.63	26.06	31.27		
	144.00		S30	C	Residential 3-4 dwellings/acre	69	50	86	94.12	91.40	87.60	81.17	69.86	58.53		0.60	0.25	25.92	43.20	51.84		
	14.92		S30	D	Residential 3-4 dwellings/acre	75	57	91	10.60	10.34	9.96	9.31	8.09	6.76		0.60	0.20	2.69	4.48	5.37		
	1.95		S30	A	Residential 5-7 dwellings/acre	32	17	52	0.96	0.94	0.93	0.92	0.89	0.86		0.50	0.40	0.29	0.49	0.59		
	99.54		S30	B	Residential 5-7 dwellings/acre	56	36	76	60.88	59.31	57.18	53.78	48.43	44.04		0.50	0.30	14.93	24.89	29.86		
	131.14		S30	C	Residential 5-7 dwellings/acre	69	50	86	92.41	90.27	87.27	82.16	73.05	63.64		0.50	0.25	19.67	32.79	39.34		
	12.10		S30	D	Residential 5-7 dwellings/acre	75	57	91	9.10	8.92	8.65	8.19	7.31	6.34		0.50	0.20	1.82	3.03	3.63		
	19.70		S30	B	Residential 8-10 dwellings/acre	56	36	76	13.42	13.16	12.80	12.22	11.28	10.44		0.40	0.30	2.36	3.94	4.73		
	7.60		S30	C	Residential 8-10 dwellings/acre	69	50	86	5.74	5.64	5.49	5.24	4.78	4.29		0.40	0.25	0.91	1.52	1.82		
	12.71		S30	B	School	56	36	76	6.89	6.66	6.34	5.85	5.09	4.51		0.60	0.30	2.29	3.81	4.58		
	9.16		S30	C	School	69	50	86	5.99	5.81	5.57	5.16	4.44	3.72		0.60	0.25	1.65	2.75	3.30		
	23.69		S30	A	Turf, Good	33	17	53	0.64	0.39	0.14	0.00	0.00	0.00		1.00	0.40	7.11	11.85	14.21		
	117.50		S30	B	Turf, Good	58	38	77	34.08	30.71	26.19	19.11	8.56	1.40		1.00	0.30	35.25	58.75	70.50		
	22.40		S30	C	Turf, Good	72	53	89	11.11	10.48	9.59	8.08	5.43	2.84		1.00	0.25	6.72	11.20	13.44		
	3.50		S30	D	Turf, Good	79	62	93	2.14	2.05	1.92	1.70	1.29	0.83		1.00	0.20	1.05	1.75	2.10		
	0.51		S30	A	Water	98	95	100	0.49	0.49	0.49	0.48	0.47	0.45		0.00	0.40	0.00	0.00	0.00		
	14.50		S30	B	Water	98	95	100	13.92	13.87	13.79	13.64	13.29	12.75		0.00	0.30	0.00	0.00	0.00		
	1.56		S30	C	Water	98	95	100	1.50	1.49	1.48	1.47	1.43	1.37		0.00	0.25	0.00	0.00	0.00		
	2.35		S30	D	Water	98	95	100	2.26	2.25	2.23	2.21	2.15	2.07		0.00	0.20	0.00	0.00	0.00		
	24.20		S30	A	Woodland, Grass, Fair	44	26	64	2.92	2.40	1.74	0.00	0.00	0.00		1.00	0.40	7.26	12.10	14.52		
	31.86		S30	B	Woodland, Grass, Fair	65	45	83	12.40	11.46	10.17	1.33	0.09	0.00		1.00	0.30	9.56	15.93	19.12		
	46.40		S30	C	Woodland, Grass, Fair	77	59	92	26.79	25.57	23.84	8.32	3.96	0.83		1.00	0.25	13.92	23.20	27.84		
	0.01		S30	D	Woodland, Grass, Fair	82	66	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.20	0.00	0.01	0.01		
	5.17		S31	B	Chaparral, Broadleaf, Fair	63	43	81	1.86	1.71	1.50	0.15	0.00	0.00		1.00	0.30	1.55	2.59	3.10		
	18.15		S31	C	Chaparral, Broadleaf, Fair	75	57	91	9.88	9.39	8.69	2.74	1.17	0.15		1.00	0.25	5.45	9.08	10.89		
	12.74		S31	D	Chaparral, Broadleaf, Fair	81	64	95	8.22	7.92	7.48	3.12	1.76	0.62		1.00	0.20	3.82	6.37	7.64		
	2.64		S31	B	Chaparral, Narrowleaf, Fair	72	53	89	1.31	1.24	1.13	0.30	0.10	0.00		1.00	0.30	0.79	1.32	1.58		
	23.13		S31	C	Chaparral, Narrowleaf, Fair	81	64	95	14.92	14.37	13.58	5.66	3.19	1.13		1.00	0.25	6.94	11.57	13.88		
	3.78		S31	D	Chaparral, Narrowleaf, Fair	86	72	97	2.77	2.70	2.59	1.34	0.89	0.46		1.00	0.20	1.13	1.89	2.27		
	0.16		S31	C	Commercial, Industrial	69	50	86	0.15	0.14	0.14	0.14	0.14	0.13		0.10	0.25	0.00	0.01	0.01		
	0.84		S31	D	Commercial, Industrial	75	57	91	0.77	0.77	0.76	0.75	0.72	0.68		0.10	0.20	0.03	0.04	0.05		
	0.55		S31	A	Condominiums	32	17	52	0.35	0.34	0.34	0.34	0.33	0.31		0.35	0.40	0.06	0.10	0.12		
	0.95		S31	B	Condominiums	56	36	76	0.68	0.67	0.65	0.63	0.58	0.54		0.35	0.30	0.10	0.17	0.20		
	13.97		S31	C	Condominiums	69	50	86	10.91	10.74	10.49	10.07	9.29	8.43		0.35	0.25	1.47	2.44	2.93		
	0.00		S31	D	Condominiums	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.20	0.00	0.00	0.00		
	4.75		S31	B	Fallow	86	72	97	3.48	3.39	3.25	1.68	1.12	0.58		1.00	0.30	1.43	2.38	2.85		
	20.45		S31	C	Fallow	91	80	98	16.87	16.58	16.16	10.28	7.87	5.19		1.00	0.25	6.14	10.23	12.27		
	0.81		S31	D	Fallow	94	85	99	0.71	0.71	0.69	0.50	0.41	0.31		1.00	0.20	0.24	0.41	0.49		
	3.48		S31	B	Grass, Annual or Perennial, Fair	69	50	86	1.56	1.46	1.32	0.27	0.06	0.00		1.00	0.30	1.04	1.74	2.09		
	36.54		S31	C	Grass, Annual or Perennial, Fair	79	62	93	22.32	21.41	20.09	7.66	3.99	1.12		1.00	0.25	10.96	18.27	21.92		
	1.39		S31	D	Grass, Annual or Perennial, Fair	84	69	96	0.97	0.94	0.90	0.43	0.27	0.12		1.00	0.20	0.42	0.70	0.83		
	0.07		S31	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.04		
	27.57		S31	B	Open Brush, Fair	66	46	84	11.14	10.32	9.21	1.38	0.15	0.00		1.00	0.30	8.27	13.79	16.54		
	420.56		S31	C	Open Brush, Fair	77	59	92	242.83	231.79	216.06	75.43	35.94	7.50		1.00	0.25	126.17	210.28	252.34		
	21.02		S31	D	Open Brush, Fair	83	67	96	14.29	13.82	13.15	5.99	3.64	1.53		1.00	0.20	6.31	10.51	12.61		
	16.33		S31	A	Public Park	32	17	52	2.65	2.51	2.37	2.30	2.24	2.15		0.85	0.40	4.16	6.94	8.33		
	6.44		S31	B	Public Park	56	36	76	2.37	2.21	2.00	1.67	1.20	0.88		0.85	0.30	1.64	2.74	3.28		
	24.85		S31	C	Public Park	69	50	86	13.07	12.44	11.57	10.11	7.59	5.20		0.85	0.25	6.34	10.56	12.67		
	1.94		S31	D	Public Park	75	57	91	1.18	1.13	1.07	0.95	0.75	0.53		0.85	0.20	0.49	0.82	0.99		
	6.82		S31	A	Residential 2 dwellings/acre	32	17	52	2.07	2.01	1.96	1.92	1.88	1.80		0.70	0.40	1.43	2.39	2.86		
	56.92		S31	B	Residential 2 dwellings/acre	56	36	76	26.89	25.70	24.12	21.64	17.90	15.24		0.70	0.30	11.95	19.92	23.91		
	119.90		S31	C	Residential 2 dwellings/acre	69	50	86	72.24	69.68	66.09	60.06	49.55	39.28		0.70	0.25	25.18	41.97	50.36		
	8.05		S31	D	Residential 2 dwellings/acre	75	57	91	5.39	5.22	4.99	4.60	3.86	3.08								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III	AMC 1/AMCII														
																EV			HC				
																> 5	5	2	All				

	103.79		S31	B	Residential 3-4 dwellings/acre	56	36	76	56.25	54.35	51.80	47.76	41.57	36.85		0.60	0.30	18.68	31.14	37.36	
	103.53		S31	C	Residential 3-4 dwellings/acre	69	50	86	67.67	65.71	62.98	58.36	50.22	42.08		0.60	0.25	18.64	31.03	37.27	
	2.40		S31	D	Residential 3-4 dwellings/acre	75	57	91	1.71	1.66	1.60	1.50	1.30	1.09		0.60	0.20	0.46	0.72	0.86	
	12.16		S31	A	Residential 5-7 dwellings/acre	32	17	52	5.97	5.89	5.80	5.72	5.57	5.35		0.50	0.40	1.82	3.04	3.65	
	148.36		S31	B	Residential 5-7 dwellings/acre	56	36	76	90.75	88.39	85.22	80.15	72.18	65.64		0.50	0.30	22.25	37.09	44.51	
	167.09		S31	C	Residential 5-7 dwellings/acre	69	50	86	117.74	115.02	111.19	104.68	93.07	81.08		0.50	0.25	25.06	41.77	50.13	
	7.77		S31	D	Residential 5-7 dwellings/acre	75	57	91	5.84	5.73	5.55	5.26	4.70	4.07		0.50	0.20	1.17	1.94	2.33	
	28.80		S31	A	Row Crops, Poor	72	53	89	14.29	13.47	12.33	12.34	1.10	0.02		1.00	0.40	8.64	14.40	17.28	
	3.32		S31	B	Row Crops, Poor	81	64	95	2.14	2.06	1.95	0.81	0.46	0.16		1.00	0.30	1.00	1.66	1.99	
	6.60		S31	C	Row Crops, Poor	88	75	98	5.08	4.96	4.79	2.70	1.91	1.10		1.00	0.25	1.98	3.30	3.96	
	1.34		S31	D	Row Crops, Poor	91	80	98	1.11	1.09	1.06	0.67	0.52	0.34		1.00	0.20	0.40	0.67	0.80	
	6.21		S31	B	School	56	36	76	3.37	3.25	3.10	2.86	2.49	2.20		0.60	0.30	1.12	1.86	2.24	
	11.04		S31	C	School	69	50	86	7.22	7.01	6.72	6.22	5.36	4.49		0.60	0.25	1.99	3.31	3.97	
	3.90		S31	D	School	75	57	91	2.77	2.70	2.60	2.43	2.11	1.77		0.60	0.20	0.70	1.17	1.40	
	51.85		S31	A	Turf, Good	33	17	53	1.40	0.85	0.30	0.00	0.00	0.00		1.00	0.40	15.56	25.93	31.11	
	114.80		S31	B	Turf, Good	58	38	77	33.30	30.00	25.59	18.67	8.37	1.37		1.00	0.30	34.44	57.40	68.88	
	33.86		S31	C	Turf, Good	72	53	89	16.80	15.84	14.50	12.22	8.21	4.29		1.00	0.25	10.16	16.93	20.32	
	0.44		S31	D	Turf, Good	79	62	93	0.27	0.26	0.24	0.21	0.16	0.10		1.00	0.20	0.13	0.22	0.26	
	33.60		S31	A	Woodland, Grass, Fair	44	26	64	4.06	3.33	2.42	0.00	0.00	0.00		1.00	0.40	10.08	16.80	20.16	
	26.08		S31	B	Woodland, Grass, Fair	65	45	83	10.15	9.38	8.32	1.09	0.08	0.00		1.00	0.30	7.82	13.04	15.65	
	48.80		S31	C	Woodland, Grass, Fair	77	59	92	28.18	26.90	25.07	8.75	4.17	0.87		1.00	0.25	14.64	24.40	29.28	
	1.07		S31	D	Woodland, Grass, Fair	82	66	95	0.71	0.68	0.65	0.28	0.17	0.06		1.00	0.20	0.32	0.54	0.64	
	1.50		S32	C	Barren	91	80	98	1.24	1.22	1.19	0.75	0.58	0.38		1.00	0.25	0.45	0.75	0.90	
	0.60		S32	C	Chaparral, Broadleaf, Fair	75	57	91	0.33	0.31	0.29	0.09	0.04	0.01		1.00	0.25	0.18	0.30	0.36	
	10.15		S32	B	Commercial, Industrial	56	36	76	9.04	8.98	8.89	8.73	8.43	8.04		0.10	0.30	0.30	0.51	0.61	
	0.33		S32	C	Commercial, Industrial	69	50	86	0.30	0.30	0.29	0.29	0.28	0.26		0.10	0.25	0.01	0.02	0.02	
	4.83		S32	D	Commercial, Industrial	75	57	91	4.44	4.41	4.37	4.29	4.13	3.90		0.10	0.20	0.14	0.24	0.29	
	8.06		S32	B	Condominiums	56	36	76	5.77	5.67	5.54	5.32	4.96	4.62		0.35	0.30	0.85	1.41	1.69	
	7.30		S32	C	Condominiums	69	50	86	5.70	5.61	5.48	5.26	4.85	4.41		0.35	0.25	0.77	1.28	1.53	
	0.90		S32	A	Fallow	77	59	92	0.52	0.50	0.46	0.16	0.08	0.02		1.00	0.40	0.27	0.45	0.54	
	1.13		S32	B	Fallow	86	72	97	0.83	0.81	0.77	0.40	0.27	0.14		1.00	0.30	0.34	0.57	0.68	
	3.76		S32	C	Fallow	91	80	98	3.10	3.05	2.97	1.89	1.45	0.95		1.00	0.25	1.13	1.88	2.26	
	2.57		S32	D	Fallow	94	85	99	2.27	2.24	2.20	1.58	1.31	0.97		1.00	0.20	0.77	1.29	1.54	
	0.13		S32	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.04	0.07	0.08	
	75.47		S32	B	Grass, Annual or Perennial, Fair	69	50	86	33.91	31.72	28.67	5.95	1.40	0.00		1.00	0.30	22.64	37.74	45.28	
	143.60		S32	C	Grass, Annual or Perennial, Fair	79	62	93	87.73	84.12	78.96	30.10	15.68	4.41		1.00	0.25	43.08	71.80	86.16	
	7.85		S32	D	Grass, Annual or Perennial, Fair	84	69	96	5.47	5.31	5.06	2.40	1.51	0.68		1.00	0.20	2.36	3.93	4.71	
	25.40		S32	B	Open Brush, Fair	66	46	84	10.26	9.51	8.48	1.27	0.14	0.00		1.00	0.30	7.62	12.70	15.24	
	310.79		S32	C	Open Brush, Fair	77	59	92	179.45	171.29	159.67	55.74	26.56	5.54		1.00	0.25	93.24	155.40	186.47	
	7.06		S32	D	Open Brush, Fair	83	67	96	4.80	4.64	4.42	2.01	1.22	0.51		1.00	0.20	2.12	3.53	4.24	
	19.85		S32	B	Public Park	56	36	76	7.30	6.82	6.17	5.16	3.68	2.71		0.85	0.30	5.06	8.44	10.12	
	5.35		S32	C	Public Park	69	50	86	2.81	2.68	2.49	2.18	1.63	1.12		0.85	0.25	1.36	2.27	2.73	
	5.96		S32	D	Public Park	75	57	91	3.62	3.48	3.28	2.93	2.30	1.64		0.85	0.20	1.52	2.53	3.04	
	30.31		S32	C	Residential 2 dwellings/acre	69	50	86	18.26	17.61	16.71	15.18	12.53	9.93		0.70	0.25	6.37	10.61	12.73	
	1.81		S32	D	Residential 2 dwellings/acre	75	57	91	1.21	1.17	1.12	1.03	0.87	0.69		0.70	0.20	0.38	0.63	0.76	
	0.30		S32	A	Residential 3-4 dwellings/acre	32	17	52	0.12	0.12	0.11	0.11	0.11	0.11		0.60	0.40	0.05	0.09	0.11	
	71.64		S32	B	Residential 3-4 dwellings/acre	56	36	76	38.83	37.52	35.75	32.97	28.69	25.44		0.60	0.30	12.90	21.49	25.79	
	97.27		S32	C	Residential 3-4 dwellings/acre	69	50	86	63.58	61.74	59.17	54.83	47.19	39.53		0.60	0.25	17.51	29.18	35.02	
	10.38		S32	D	Residential 3-4 dwellings/acre	75	57	91	7.38	7.19	6.93	6.47	5.63	4.70		0.60	0.20	1.87	3.11	3.74	
	1.16		S32	A	Residential 5-7 dwellings/acre	32	17	52	0.57	0.56	0.55	0.55	0.53	0.51		0.50	0.40	0.17	0.29	0.35	
	61.61		S32	B	Residential 5-7 dwellings/acre	56	36	76	37.68	36.71	35.39	33.28	29.97	27.26		0.50	0.30	9.24	15.40	18.48	
	77.55		S32	C	Residential 5-7 dwellings/acre	69	50	86	54.65	53.38	51.61	48.59	43.20	37.63		0.50	0.25	11.63	19.39	23.27	
	18.29		S32	D	Residential 5-7 dwellings/acre	75	57	91	13.76	13.48	13.07	12.37	11.06	9.59		0.50	0.20	2.74	4.57	5.49	
	0.49		S32	A	Row Crops, Poor	72	53	89	0.24	0.23	0.21	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.29	
	0.02		S32	B	Row Crops, Poor	81	64	95	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01	
	2.90		S32	C	Row Crops, Poor	88	75	98	2.23	2.18	2.11	1.19	0.84	0.48		1.00	0.25	0.87	1.45	1.74	
	2.20		S32	D	Row Crops, Poor	91	80	98	1.81	1.78	1.74	1.11	0.85	0.56		1.00	0.20	0.66	1.10	1.32	
	3.35		S32	B	School	56	36	76	1.82	1.75	1.67	1.54	1.34	1.19		0.60	0.30	0.60	1.01	1.21	
	4.81		S32	C	School	69	50	86	3.14	3.05	2.93	2.71	2.33	1.95		0.60	0.25	0.87	1.44	1.73	
	5.12		S32	D	School	75	57	91	3.64	3.55	3.42	3.19	2.78	2.32		0.60	0.20	0.92	1.54	1.84	
	3.04		S32	A	Woodland, Grass, Fair	44	26	64	0.37	0.30	0.22	0.00	0.00	0.00		1.00	0.40	0.91	1.52	1.82	
	73.14		S32	B	Woodland, Grass, Fair	65	45	83	28.46	26.30	23.34	3.06	0.21	0.00		1.00	0.30	21.94	36.57	43.88	
	18.30		S32	C	Woodland, Grass, Fair	77	59	92	10.57	10.09	9.40	3.28	1.56	0.33		1.00	0.25	5.49	9.15	10.98	
	1.40		S32	D	Woodland, Grass, Fair	82	66	95	0.93	0.90	0.85	0.37	0.22	0.08		1.00	0.20	0.42	0.70	0.84	
	0.1	HZ-206	S33	A	Barren	78	61	93	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.40	0.03	0.05	0.06	
	2.6	HZ-206	S33	A	Open Brush, Fair	46	28	66	0.37	0.31	0.23	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56	
	3.1	HZ-206	S33	A	Row Crops, Poor	72	53	89	1.54	1.45	1.33	0.35	0.12	0.00		1.00	0.40	0.93	1.55	1.86	
	0.4	HZ-206	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24	
	0.2	HZ-206	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100													
						AMC			P ₂₄ (Inches)					5.63											
						II	I	III	AMC 1/AMCII																
	34.6	HZ-206	S33	B	Row Crops, Poor	81	64	95	22.32	21.50	20.31	8.46	4.78	1.69		1.00	0.30	10.38	17.30	20.76					
	2.4	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.93	0.86	0.77	0.10	0.01	0.00		1.00	0.30	0.72	1.20	1.44					
	22.6	HZ-206	S33	C	Open Brush, Fair	77	59	92	13.05	12.46	11.61	4.05	1.93	0.40		1.00	0.25	6.78	11.30	13.56					
	11.6	HZ-206	S33	C	Row Crops, Poor	88	75	98	8.92	8.72	8.42	4.74	3.35	1.93		1.00	0.25	3.48	5.80	6.96					
	0.4	HZ-206	S33	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.29		0.20	0.20	0.02	0.04	0.05					
	4.8	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	3.10	2.98	2.82	1.17	0.66	0.23		1.00	0.20	1.44	2.40	2.88					
	1.6	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.12	1.08	1.03	0.49	0.31	0.14		1.00	0.20	0.48	0.80	0.96					
	46.4	HZ-206	S33	D	Open Brush, Fair	83	67	96	31.54	30.51	29.02	13.23	8.03	3.38		1.00	0.20	13.92	23.20	27.84					
	0.1	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01					
	60.7	HZ-206	S33	D	Row Crops, Poor	91	80	98	50.07	49.23	47.97	30.50	23.35	15.39		1.00	0.20	18.21	30.35	36.42					
	5.8	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.84	3.71	3.52	1.53	0.90	0.35		1.00	0.20	1.74	2.90	3.48					
	0.2	HZ-207	S33	A	Barren	78	61	93	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.40	0.06	0.10	0.12					
	0.4	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.03	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24					
	0.8	HZ-207	S33	B	Barren	86	72	97	0.59	0.57	0.55	0.28	0.19	0.10		1.00	0.30	0.24	0.40	0.48					
	1.4	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.25	1.24	1.23	1.20	1.16	1.11		0.10	0.30	0.04	0.07	0.08					
	2.6	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	1.17	1.09	0.99	0.20	0.05	0.00		1.00	0.30	0.78	1.30	1.56					
	2.2	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.89	0.82	0.73	0.11	0.01	0.00		1.00	0.30	0.66	1.10	1.32					
	3.1	HZ-207	S33	B	Row Crops, Poor	81	64	95	2.00	1.93	1.82	0.76	0.43	0.15		1.00	0.30	0.93	1.55	1.86					
	3.4	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.32	1.22	1.09	0.14	0.01	0.00		1.00	0.30	1.02	1.70	2.04					
	0.5	HZ-207	S33	D	Barren	93	83	99	0.43	0.43	0.42	0.29	0.23	0.17		1.00	0.20	0.15	0.25	0.30					
	0.2	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.13	0.12	0.12	0.05	0.03	0.01		1.00	0.20	0.06	0.10	0.12					
	3.6	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.31	3.29	3.25	3.20	3.07	2.91		0.10	0.20	0.11	0.18	0.22					
	4	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.79	2.70	2.58	1.23	0.77	0.35		1.00	0.20	1.20	2.00	2.40					
	14.6	HZ-207	S33	D	Open Brush, Fair	83	67	96	9.93	9.60	9.13	4.16	2.53	1.06		1.00	0.20	4.38	7.30	8.76					
	6.3	HZ-207	S33	D	Row Crops, Poor	91	80	98	5.20	5.11	4.98	3.17	2.42	1.60		1.00	0.20	1.89	3.15	3.78					
	3.7	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.45	2.37	2.24	0.98	0.57	0.22		1.00	0.20	1.11	1.85	2.22					
	0.1	HZ-208	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06					
	0.2	HZ-208	S33	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12					
	5	HZ-208	S33	A	Woodland, Grass, Fair	44	26	64	0.60	0.50	0.36	0.00	0.00	0.00		1.00	0.40	1.50	2.50	3.00					
	3.2	HZ-208	S33	B	Commercial, Industrial	56	36	76	2.85	2.83	2.80	2.75	2.66	2.53		0.10	0.30	0.10	0.16	0.19					
	0.1	HZ-208	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06					
	0.9	HZ-208	S33	B	Open Brush, Fair	66	46	84	0.36	0.34	0.30	0.05	0.01	0.00		1.00	0.30	0.27	0.45	0.54					
	0.3	HZ-208	S33	C	Apartments	69	50	86	0.26	0.25	0.25	0.24	0.23	0.22		0.20	0.25	0.02	0.03	0.04					
	0.2	HZ-208	S33	C	Barren	91	80	98	0.16	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12					
	1	HZ-208	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.54	0.52	0.48	0.15	0.06	0.01		1.00	0.25	0.30	0.50	0.60					
	41.9	HZ-208	S33	C	Commercial, Industrial	69	50	86	38.08	37.83	37.45	36.78	35.39	33.54		0.10	0.25	1.26	2.10	2.51					
	7.2	HZ-208	S33	C	Grass, Annual or Perennial, Fair	79	62	93	4.40	4.22	3.96	1.51	0.79	0.22		1.00	0.25	2.16	3.60	4.32					
	25	HZ-208	S33	C	Open Brush, Fair	77	59	92	14.43	13.78	12.84	4.48	2.14	0.45		1.00	0.25	7.50	12.50	15.00					
	0.1	HZ-208	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05					
	0.9	HZ-208	S33	C	Row Crops, Poor	88	75	98	0.69	0.68	0.65	0.37	0.26	0.15		1.00	0.25	0.27	0.45	0.54					
	0.3	HZ-208	S33	C	School	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11					
	13.2	HZ-208	S33	C	Woodland, Grass, Fair	77	59	92	7.62	7.27	6.78	2.37	1.13	0.24		1.00	0.25	3.96	6.60	7.92					
	0.5	HZ-208	S33	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06					
	0.6	HZ-208	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36					
	33.9	HZ-208	S33	D	Commercial, Industrial	75	57	91	31.13	30.93	30.64	30.09	28.95	27.40		0.10	0.20	1.02	1.70	2.03					
	17.6	HZ-208	S33	D	Grass, Annual or Perennial, Fair	84	69	96	12.27	11.90	11.35	5.39	3.38	1.53		1.00	0.20	5.28	8.80	10.56					
	16.8	HZ-208	S33	D	Open Brush, Fair	83	67	96	11.42	11.05	10.51	4.79	2.91	1.22		1.00	0.20	5.04	8.40	10.08					
	0.6	HZ-208	S33	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.47	0.44		0.20	0.20	0.04	0.06	0.07					
	1.5	HZ-208	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.19	1.17	1.14	1.09	1.00	0.89		0.40	0.20	0.18	0.30	0.36					
	10	HZ-208	S33	D	Row Crops, Poor	91	80	98	8.25	8.11	7.90	5.02	3.85	2.54		1.00	0.20	3.00	5.00	6.00					
	0.3	HZ-208	S33	D	School	75	57	91	0.21	0.21	0.20	0.19	0.16	0.14		0.60	0.20	0.05	0.09	0.11					
	0.7	HZ-208	S33	D	Woodland, Grass, Fair	82	66	95	0.46	0.45	0.42	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42					
	0.2	HZ-31010	S33	B	Commercial, Industrial	56	36	76	0.18	0.18	0.18	0.17	0.17	0.16		0.10	0.30	0.01	0.01	0.01					
	0.1	HZ-31010	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.04	0.04	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06					
	0.2	HZ-31010	S33	B	Orchards, Evergreen, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12					
	3.7	HZ-31010	S33	C	Barren	91	80	98	3.05	3.00	2.92	1.86	1.42	0.94		1.00	0.25	1.11	1.85	2.22					
	0.3	HZ-31010	S33	C	Commercial																				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100	Storm Event (Year)											
						AMC		P ₂₄ (Inches)												Storm Event (Year)				
						II	I	III	AMC 1/AMCII								5.63			EV				HC
																> 5	5	2	All					
	0.5	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.20	0.15	0.25	0.30				
	0.7	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.20	0.12	0.05		1.00	0.20	0.21	0.35	0.42				
	0.1	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06				
	0.3	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.19	0.19	0.18	0.07	0.04	0.01		1.00	0.20	0.09	0.15	0.18				
	1.9	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.29	1.25	1.19	0.54	0.33	0.14		1.00	0.20	0.57	0.95	1.14				
	1.1	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.64	0.61	0.57	0.20	0.09	0.02		1.00	0.25	0.33	0.55	0.66				
	2.5	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.70	1.64	1.56	0.71	0.43	0.18		1.00	0.20	0.75	1.25	1.50				
	0.7	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.38	0.36	0.34	0.11	0.05	0.01		1.00	0.25	0.21	0.35	0.42				
	3	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.73	1.65	1.54	0.54	0.26	0.05		1.00	0.25	0.90	1.50	1.80				
	0.6	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36				
	2.1	HZ-31104	S33	D	Open Brush, Fair	83	67	96	1.43	1.38	1.31	0.60	0.36	0.15		1.00	0.20	0.63	1.05	1.26				
	0.6	HZ-31105	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.22	0.20	0.17	0.02	0.00	0.00		1.00	0.30	0.18	0.30	0.36				
	0.1	HZ-31105	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	2.8	HZ-31105	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.52	1.45	1.34	0.42	0.18	0.02		1.00	0.25	0.84	1.40	1.68				
	2.6	HZ-31105	S33	C	Open Brush, Fair	77	59	92	1.50	1.43	1.34	0.47	0.22	0.05		1.00	0.25	0.78	1.30	1.56				
	0.6	HZ-31105	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.39	0.37	0.35	0.15	0.08	0.03		1.00	0.20	0.18	0.30	0.36				
	4.1	HZ-31105	S33	D	Open Brush, Fair	83	67	96	2.79	2.70	2.56	1.17	0.71	0.30		1.00	0.20	1.23	2.05	2.46				
	0.8	HZ-31106	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.29	0.26	0.23	0.02	0.00	0.00		1.00	0.30	0.24	0.40	0.48				
	1.5	HZ-31106	S33	B	Open Brush, Fair	66	46	84	0.61	0.56	0.50	0.08	0.01	0.00		1.00	0.30	0.45	0.75	0.90				
	1.9	HZ-31106	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.03	0.98	0.91	0.29	0.12	0.02		1.00	0.25	0.57	0.95	1.14				
	8.2	HZ-31106	S33	C	Open Brush, Fair	77	59	92	4.73	4.52	4.21	1.47	0.70	0.15		1.00	0.25	2.46	4.10	4.92				
	2.7	HZ-31106	S33	D	Open Brush, Fair	83	67	96	1.84	1.78	1.69	0.77	0.47	0.20		1.00	0.20	0.81	1.35	1.62				
	0.5	HZ-31107	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.18	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.15	0.25	0.30				
	1.1	HZ-31107	S33	B	Open Brush, Fair	66	46	84	0.44	0.41	0.37	0.06	0.01	0.00		1.00	0.30	0.33	0.55	0.66				
	6.5	HZ-31107	S33	C	Chaparral, Broadleaf, Fair	75	57	91	3.54	3.36	3.11	0.98	0.42	0.05		1.00	0.25	1.95	3.25	3.90				
	5.5	HZ-31107	S33	C	Open Brush, Fair	77	59	92	3.18	3.03	2.83	0.99	0.47	0.10		1.00	0.25	1.65	2.75	3.30				
	1.3	HZ-31107	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.84	0.81	0.76	0.32	0.18	0.06		1.00	0.20	0.39	0.65	0.78				
	3.4	HZ-31107	S33	D	Open Brush, Fair	83	67	96	2.31	2.24	2.13	0.97	0.59	0.25		1.00	0.20	1.02	1.70	2.04				
	0.7	HZ-31108	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.25	0.23	0.20	0.02	0.00	0.00		1.00	0.30	0.21	0.35	0.42				
	2.2	HZ-31108	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.99	0.92	0.84	0.17	0.04	0.00		1.00	0.30	0.66	1.10	1.32				
	3.1	HZ-31108	S33	B	Open Brush, Fair	66	46	84	1.25	1.16	1.04	0.16	0.02	0.00		1.00	0.30	0.93	1.55	1.86				
	0.9	HZ-31108	S33	B	Woodland, Grass, Fair	65	45	83	0.35	0.32	0.29	0.04	0.00	0.00		1.00	0.30	0.27	0.45	0.54				
	7.4	HZ-31108	S33	C	Chaparral, Broadleaf, Fair	75	57	91	4.03	3.83	3.54	1.12	0.48	0.06		1.00	0.25	2.22	3.70	4.44				
	0.3	HZ-31108	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.18	0.18	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18				
	11.4	HZ-31108	S33	C	Open Brush, Fair	77	59	92	6.58	6.28	5.86	2.04	0.97	0.20		1.00	0.25	3.42	5.70	6.84				
	8.9	HZ-31108	S33	C	Woodland, Grass, Fair	77	59	92	5.14	4.91	4.57	1.60	0.76	0.16		1.00	0.25	2.67	4.45	5.34				
	1.9	HZ-31108	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.23	1.18	1.12	0.46	0.26	0.09		1.00	0.20	0.57	0.95	1.14				
	9.2	HZ-31108	S33	D	Open Brush, Fair	83	67	96	6.25	6.05	5.75	2.62	1.59	0.67		1.00	0.20	2.76	4.60	5.52				
	1.4	HZ-31108	S33	D	Woodland, Grass, Fair	82	66	95	0.93	0.90	0.85	0.37	0.22	0.08		1.00	0.20	0.42	0.70	0.84				
	0.8	HZ-31109	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.36	0.34	0.30	0.06	0.01	0.00		1.00	0.30	0.24	0.40	0.48				
	0.6	HZ-31109	S33	B	Open Brush, Fair	66	46	84	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36				
	0.1	HZ-31109	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05				
	1.3	HZ-31109	S33	B	Row Crops, Poor	81	64	95	0.84	0.81	0.76	0.32	0.18	0.06		1.00	0.30	0.39	0.65	0.78				
	4	HZ-31109	S33	B	Woodland, Grass, Fair	65	45	83	1.56	1.44	1.28	0.17	0.01	0.00		1.00	0.30	1.20	2.00	2.40				
	1.5	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.82	0.78	0.72	0.23	0.10	0.01		1.00	0.25	0.45	0.75	0.90				
	0.3	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.18	0.18	0.16	0.06	0.03	0.01		1.00	0.25	0.09	0.15	0.18				
	9.6	HZ-31109	S33	C	Open Brush, Fair	77	59	92	5.54	5.29	4.93	1.72	0.82	0.17		1.00	0.25	2.88	4.80	5.76				
	0.4	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.17	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22				
	6.2	HZ-31109	S33	C	Row Crops, Poor	88	75	98	4.77	4.66	4.50	2.54	1.79	1.03		1.00	0.25	1.86	3.10	3.72				
	3.9	HZ-31109	S33	C	Woodland, Grass, Fair	77	59	92	2.25	2.15	2.00	0.70	0.33	0.07		1.00	0.25	1.17	1.95	2.34				
	1.4	HZ-31109	S33	D	Row Crops, Poor	91	80	98	1.15	1.14	1.11	0.70	0.54	0.36		1.00	0.20	0.42	0.70	0.84				
	4.9	HZ-31110	S33	A	Barren	78	61	93	2.91	2.79	2.61	0.95	0.48	0.12		1.00	0.40	1.47	2.45	2.94				
	1.5	HZ-31110	S33	A	Row Crops, Poor	72	53	89	0.74	0.70	0.64	0.17	0.06	0.00		1.00	0.40	0.45	0.75	0.90				
	0.6	HZ-31110	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.18	0.16	0.13	0.09	0.06		0.90	0.30	0.16	0.27	0.32				
	2.5	HZ-31110	S33	B	Row Crops, Poor	81	64	95	1.61	1.55	1.47	0.61	0.35	0.12		1.00	0.30	0.75	1.25	1.50				
	5.3	HZ-31110	S33	C	Row Crops, Poor	88	75	98	4.08	3.99	3.85	2.17	1.53	0.88		1.00	0.25	1.59	2.65	3.18				
	3.3	HZ-31110	S33	D	Row Crops, Poor	91	80	98	2.72	2.68	2.61	1.66	1.27	0.84		1.00	0.20	0.99	1.65	1.98				
	1.3	HZ-31111	S33	A	Barren	78	61	93	0.77	0.74	0.69	0.25	0.13	0.03		1.00	0.40	0.39	0.65	0.78				
	0.2	HZ-31111	S33	A	Commercial, Industrial	32	17	52	0.17	0.17	0.17	0.17	0.16	0.16		0.10	0.40	0.01	0.01	0.01				
	5.3	HZ-31111	S33	A	Row Crops, Poor	72	53	89	2.63	2.48	2.27	0.60	0.20	0.00		1.00	0.40	1.59	2.65	3.18				
	0.3	HZ-31111	S33	A	Woodland, Grass, Fair	44	26	64	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18				
	0.2	HZ-31111	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.07	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	0.6	HZ-31111	S33	B	Open Brush, Fair	66	46	84	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36				
	4.3	HZ-31111	S33	B	Row Crops, Poor	81	64	95	2.77	2.62	2.52	1.05	0.59	0.21		1.00	0.30	1.29	2.15	2.58				
	0.8	HZ-31111	S33	B	Woodland, Grass, Fair	65	45	83	0.31	0.29	0.26	0.03	0.00	0.00		1.00	0.30	0.24	0.40	0.48				
	1.1	HZ-31111	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.60	0.57														

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII										5.63				
	14.6	HZ-31111	S33	D	Row Crops, Poor	91	80	98	12.04	11.84	11.54	7.34	5.62	3.70		1.00	0.20	4.38	7.30	8.76			
	13.8	HZ-31112	S33	A	Barren	78	61	93	8.20	7.84	7.34	2.68	1.34	0.33		1.00	0.40	4.14	6.90	8.28			
	2.6	HZ-31112	S33	B	Barren	86	72	97	1.91	1.86	1.78	0.92	0.61	0.32		1.00	0.30	0.78	1.30	1.56			
	1.1	HZ-31112	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07			
	3.5	HZ-31112	S33	B	Residential 2.5 acre lots	56	36	76	1.17	1.08	0.96	0.77	0.50	0.33		0.90	0.30	0.95	1.58	1.89			
	6.9	HZ-31112	S33	B	Row Crops, Poor	81	64	95	4.45	4.29	4.05	1.69	0.95	0.34		1.00	0.30	2.07	3.45	4.14			
	0.2	HZ-31112	S33	C	Barren	91	80	98	0.16	0.16	0.16	0.10	0.08	0.05		1.00	0.25	0.06	0.10	0.12			
	0.1	HZ-31112	S33	C	Row Crops, Poor	88	75	98	0.08	0.08	0.07	0.04	0.03	0.02		1.00	0.25	0.03	0.05	0.06			
	0.1	HZ-31112	S33	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	2.4	HZ-31112	S33	D	Residential 2.5 acre lots	75	57	91	1.41	1.35	1.26	1.12	0.85	0.58		0.90	0.20	0.65	1.08	1.30			
	0.5	HZ-31112	S33	D	Row Crops, Poor	91	80	98	0.41	0.41	0.40	0.25	0.19	0.13		1.00	0.20	0.15	0.25	0.30			
	0.5	HZ-31113	S33	A	Barren	78	61	93	0.30	0.28	0.27	0.10	0.05	0.01		1.00	0.40	0.15	0.25	0.30			
	0.3	HZ-31113	S33	A	Commercial, Industrial	32	17	52	0.26	0.26	0.26	0.25	0.25	0.24		0.10	0.40	0.01	0.02	0.02			
	0.2	HZ-31113	S33	A	Open Brush, Fair	46	28	66	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	0.8	HZ-31113	S33	A	Residential 2.5 acre lots	32	17	52	0.09	0.08	0.08	0.08	0.07	0.07		0.90	0.40	0.22	0.36	0.43			
	1.6	HZ-31113	S33	A	Row Crops, Poor	72	53	89	0.79	0.75	0.68	0.18	0.06	0.00		1.00	0.40	0.48	0.80	0.96			
	31.9	HZ-31113	S33	B	Barren	86	72	97	23.39	22.76	21.85	11.30	7.53	3.88		1.00	0.30	9.57	15.95	19.14			
	1.7	HZ-31113	S33	B	Commercial, Industrial	56	36	76	1.51	1.50	1.49	1.46	1.41	1.35		0.10	0.30	0.05	0.09	0.10			
	0.3	HZ-31113	S33	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	2.6	HZ-31113	S33	B	Residential 2.5 acre lots	56	36	76	0.87	0.80	0.71	0.57	0.37	0.24		0.90	0.30	0.70	1.17	1.40			
	5.5	HZ-31113	S33	B	Row Crops, Poor	81	64	95	3.55	3.42	3.23	1.35	0.76	0.27		1.00	0.30	1.65	2.75	3.30			
	0.2	HZ-31113	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.2	HZ-31113	S33	C	Open Brush, Fair	77	59	92	0.12	0.11	0.10	0.04	0.02	0.00		1.00	0.25	0.06	0.10	0.12			
	1.3	HZ-31113	S33	C	Residential 2.5 acre lots	69	50	86	0.65	0.62	0.57	0.49	0.35	0.22		0.90	0.25	0.35	0.59	0.70			
	0.3	HZ-31113	S33	D	Barren	93	83	99	0.26	0.26	0.25	0.17	0.14	0.10		1.00	0.20	0.09	0.15	0.18			
	0.2	HZ-31113	S33	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01			
	0.3	HZ-31113	S33	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18			
	6.5	HZ-31113	S33	D	Residential 2.5 acre lots	75	57	91	3.81	3.65	3.42	3.02	2.31	1.56		0.90	0.20	1.76	2.93	3.51			
	3	HZ-31113	S33	D	Row Crops, Poor	91	80	98	2.47	2.43	2.37	1.51	1.15	0.76		1.00	0.20	0.90	1.50	1.80			
	1.2	HZ-31113.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.23	0.19	0.16	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	0.5	HZ-31113.2	S33	A	Open Brush, Fair	46	28	66	0.07	0.06	0.04	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30			
	1.7	HZ-31113.2	S33	A	Public Park	32	17	52	0.28	0.26	0.25	0.24	0.23	0.22		0.85	0.40	0.43	0.72	0.87			
	7.2	HZ-31113.2	S33	A	Woodland, Grass, Fair	44	26	64	0.87	0.71	0.52	0.00	0.00	0.00		1.00	0.40	2.16	3.60	4.32			
	1	HZ-31113.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.70	0.68	0.64	0.31	0.19	0.09		1.00	0.20	0.30	0.50	0.60			
	7.8	HZ-31114	S33	A	Barren	78	61	93	4.63	4.43	4.15	1.51	0.76	0.19		1.00	0.40	2.34	3.90	4.68			
	1.7	HZ-31114	S33	A	Row Crops, Poor	72	53	89	0.84	0.80	0.73	0.19	0.07	0.00		1.00	0.40	0.51	0.85	1.02			
	9.4	HZ-31114	S33	B	Barren	86	72	97	6.89	6.71	6.44	3.33	2.22	1.14		1.00	0.30	2.82	4.70	5.64			
	1.2	HZ-31114	S33	B	Open Brush, Fair	66	46	84	0.48	0.45	0.40	0.06	0.01	0.00		1.00	0.30	0.36	0.60	0.72			
	0.1	HZ-31114	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.03	0.03	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05			
	2.6	HZ-31114	S33	B	Row Crops, Poor	81	64	95	1.68	1.62	1.53	0.64	0.36	0.13		1.00	0.30	0.78	1.30	1.56			
	0.2	HZ-31114	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.3	HZ-31114	S33	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.2	HZ-31114	S33	C	Residential 2.5 acre lots	69	50	86	0.10	0.09	0.09	0.08	0.05	0.03		0.90	0.25	0.05	0.09	0.11			
	2.7	HZ-31114	S33	C	Row Crops, Poor	88	75	98	2.08	2.03	1.96	1.10	0.78	0.45		1.00	0.25	0.81	1.35	1.62			
	18.4	HZ-31115	S33	A	Barren	78	61	93	10.93	10.46	9.78	3.57	1.78	0.44		1.00	0.40	5.52	9.20	11.04			
	1.2	HZ-31115	S33	A	Meadows or Cienegas, Fair	51	32	71	0.24	0.21	0.17	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	0.1	HZ-31115	S33	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	26.6	HZ-31115	S33	B	Barren	86	72	97	19.50	18.98	18.22	9.42	6.28	3.23		1.00	0.30	7.98	13.30	15.96			
	3.9	HZ-31115	S33	B	Commercial, Industrial	56	36	76	3.47	3.45	3.42	3.36	3.24	3.09		1.00	0.30	0.12	0.20	0.23			
	3	HZ-31115	S33	B	Fallow	86	72	97	2.20	2.14	2.06	1.06	0.71	0.36		1.00	0.30	0.90	1.50	1.80			
	0.5	HZ-31115	S33	B	Open Brush, Fair	66	46	84	0.20	0.19	0.17	0.03	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	8.2	HZ-31115	S33	B	Residential 2.5 acre lots	56	36	76	2.73	2.52	2.24	1.80	1.17	0.76		0.90	0.30	2.21	3.69	4.43			
	1.1	HZ-31115	S33	B	Row Crops, Poor	81	64	95	0.71	0.68	0.65	0.27	0.15	0.05		1.00	0.30	0.33	0.55	0.66			
	0.2	HZ-31115	S33	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	14	HZ-31115	S33	C	Barren	91	80	98	11.55	11.35	11.06	7.03	5.38	3.55		1.00	0.25	4.20	7.00	8.40			
	4.3	HZ-31115	S33	C	Commercial, Industrial	69	50	86	3.91	3.88	3.84	3.77	3.63	3.44		0.10	0.25	0.13	0.22	0.26			
	5.3	HZ-31115	S33	C	Fallow	91	80	98	4.37	4.30	4.19	2.66	2.04	1.34		1.00	0.25	1.59	2.65	3.18			
	2.7	HZ-31115	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.65	1.58	1.48	0.57	0.29	0.08		1.00	0.25	0.81	1.35	1.62			
	3.2	HZ-31115	S33	C	Meadows or Cienegas, Fair	80	63	94	2.01	1.93	1.82	0.72	0.39	0.12		1.00	0.25	0.96	1.60	1.92			
	6.1	HZ-31115	S33	C	Open Brush, Fair	77	59	92	3.52	3.36	3.13	1.09	0.52	0.11		1.00	0.25	1.83	3.05	3.66			
	7.5	HZ-31115	S33	C	Residential 2.5 acre lots	69	50	86	3.75	3.55	3.28	2.81	2.02	1.27		0.90	0.25	2.03	3.38	4.05			
	5.4	HZ-31115																					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															
	0.1	HZ-31116	S33	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05			
	0.1	HZ-31116	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.1	HZ-31116	S33	B	Woodland, Grass, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.2	HZ-31116	S33	D	Barren	93	83	99	0.17	0.17	0.17	0.12	0.09	0.07		1.00	0.20	0.06	0.10	0.12			
	0.4	HZ-31116	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20			
	0.4	HZ-31116	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.28	0.27	0.26	0.12	0.08	0.03		1.00	0.20	0.12	0.20	0.24			
	0.8	HZ-31116	S33	D	Residential 2.5 acre lots	75	57	91	0.47	0.45	0.42	0.37	0.28	0.19		0.90	0.20	0.22	0.36	0.43			
	0.8	HZ-31116	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.36	0.34	0.30	0.06	0.01	0.00		1.00	0.30	0.24	0.40	0.48			
	1	HZ-31116	S33	D	Open Brush, Fair	83	67	96	0.68	0.66	0.63	0.29	0.17	0.07		1.00	0.20	0.30	0.50	0.60			
	1.1	HZ-31116	S33	D	Woodland, Grass, Fair	82	66	95	0.73	0.70	0.67	0.29	0.17	0.07		1.00	0.20	0.33	0.55	0.66			
	1.1	HZ-31116	S33	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		1.00	0.20	0.03	0.06	0.07			
	2.8	HZ-31116	S33	C	Residential 2.5 acre lots	69	50	86	1.40	1.33	1.22	1.05	0.75	0.48		0.90	0.25	0.76	1.26	1.51			
	3.5	HZ-31116	S33	C	Commercial, Industrial	69	50	86	3.18	3.16	3.13	3.07	2.96	2.80		0.10	0.25	0.11	0.18	0.21			
	5	HZ-31116	S33	C	Grass, Annual or Perennial, Fair	79	62	93	3.05	2.93	2.75	1.05	0.55	0.15		1.00	0.25	1.50	2.50	3.00			
	6.7	HZ-31116	S33	B	Residential 2.5 acre lots	56	36	76	2.23	2.06	1.83	1.47	0.96	0.62		0.90	0.30	1.81	3.02	3.62			
	7.8	HZ-31116	S33	C	Woodland, Grass, Fair	77	59	92	4.50	4.30	4.01	1.40	0.67	0.14		1.00	0.25	2.34	3.90	4.68			
	10.8	HZ-31116	S33	C	Open Brush, Fair	77	59	92	6.24	5.95	5.55	1.94	0.92	0.19		1.00	0.25	3.24	5.40	6.48			
	13.8	HZ-31116	S33	B	Commercial, Industrial	56	36	76	12.24	12.16	12.04	11.83	11.42	10.89		0.10	0.30	0.41	0.69	0.83			
	21.5	HZ-31116	S33	B	Barren	86	72	97	15.72	15.31	14.69	7.60	5.07	2.61		1.00	0.30	6.44	10.73	12.87			
	36.6	HZ-31116	S33	C	Barren	91	80	98	30.19	29.68	28.93	18.39	14.08	9.28		1.00	0.25	10.98	18.30	21.96			
	0.5	S33-01	S33	A	Barren	78	61	93	0.30	0.28	0.27	0.10	0.05	0.01		1.00	0.40	0.15	0.25	0.30			
	22.6	S33-01	S33	A	Commercial, Industrial	32	17	52	19.57	19.48	19.35	19.13	18.64	17.89		0.10	0.40	0.68	1.13	1.36			
	4.7	S33-01	S33	A	Row Crops, Poor	72	53	89	2.33	2.20	2.01	0.53	0.18	0.00		1.00	0.40	1.41	2.35	2.82			
	2.9	S33-01	S33	A	Woodland, Grass, Fair	44	26	64	0.35	0.29	0.21	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74			
	0.2	S33-01	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.02		1.00	0.30	0.06	0.10	0.12			
	7.4	S33-01	S33	B	Commercial, Industrial	56	36	76	6.59	6.54	6.48	6.37	6.15	5.86		0.10	0.30	0.22	0.37	0.44			
	1	S33-01	S33	B	Row Crops, Poor	81	64	95	0.65	0.62	0.59	0.24	0.14	0.05		1.00	0.30	0.30	0.50	0.60			
	1.4	S33-01	S33	C	Commercial, Industrial	69	50	86	1.27	1.26	1.25	1.23	1.18	1.12		0.10	0.25	0.04	0.07	0.08			
	15.6	S33-01	S33	C	Open Brush, Fair	77	59	92	9.01	8.80	8.01	2.80	1.33	0.28		1.00	0.25	4.68	7.80	9.36			
	0.1	S33-01	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.60	0.25	0.02	0.03	0.04			
	5.3	S33-01	S33	C	Row Crops, Poor	88	75	98	4.08	3.99	3.85	2.17	1.53	0.88		1.00	0.25	1.59	2.65	3.18			
	1.2	S33-02	S33	A	Barren	78	61	93	0.71	0.68	0.64	0.23	0.12	0.03		1.00	0.40	0.36	0.60	0.72			
	0.6	S33-02	S33	A	Row Crops, Poor	72	53	89	0.30	0.28	0.26	0.07	0.02	0.00		1.00	0.40	0.18	0.30	0.36			
	0.9	S33-02	S33	C	Barren	91	80	98	0.74	0.73	0.71	0.45	0.35	0.23		1.00	0.25	0.27	0.45	0.54			
	4.8	S33-02	S33	C	Open Brush, Fair	77	59	92	2.77	2.65	2.47	0.86	0.41	0.09		1.00	0.25	1.44	2.40	2.88			
	1.9	S33-02	S33	C	Row Crops, Poor	88	75	98	1.46	1.43	1.38	0.78	0.55	0.32		1.00	0.25	0.57	0.95	1.14			
	0.2	S33-05.5	S33	B	Barren	86	72	97	0.15	0.14	0.14	0.07	0.05	0.02		1.00	0.30	0.06	0.10	0.12			
	0.5	S33-05.5	S33	B	Row Crops, Poor	81	64	95	0.32	0.31	0.29	0.12	0.07	0.02		1.00	0.30	0.15	0.25	0.30			
	1.1	S33-05.5	S33	B	Woodland, Grass, Fair	65	45	83	0.43	0.40	0.35	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.66			
	0.3	S33-05.5	S33	C	Barren	91	80	98	0.25	0.24	0.24	0.15	0.12	0.08		1.00	0.25	0.09	0.15	0.18			
	1.1	S33-05.5	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.67	0.64	0.60	0.23	0.12	0.03		1.00	0.25	0.33	0.55	0.66			
	3.5	S33-05.5	S33	C	Open Brush, Fair	77	59	92	2.02	1.93	1.80	0.63	0.30	0.06		1.00	0.25	1.05	1.75	2.10			
	1.4	S33-05.5	S33	C	Row Crops, Poor	88	75	98	1.08	1.05	1.02	0.57	0.40	0.23		1.00	0.25	0.42	0.70	0.84			
	4.8	S33-05.5	S33	D	Open Brush, Fair	83	67	96	3.26	3.16	3.00	1.37	0.83	0.35		1.00	0.20	1.44	2.40	2.88			
	0.9	S33-05.5	S33	D	Row Crops, Poor	91	80	98	0.74	0.73	0.71	0.45	0.35	0.23		1.00	0.20	0.27	0.45	0.54			
	1.7	S33-05.6	S33	B	Barren	86	72	97	1.25	1.21	1.16	0.60	0.40	0.21		1.00	0.30	0.51	0.85	1.02			
	0.6	S33-05.6	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.27	0.25	0.23	0.05	0.01	0.00		1.00	0.30	0.18	0.30	0.36			
	0.1	S33-05.6	S33	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.4	S33-05.6	S33	B	Woodland, Grass, Fair	65	45	83	0.16	0.14	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	2.2	S33-05.6	S33	C	Barren	91	80	98	1.81	1.78	1.74	1.11	0.85	0.56		1.00	0.25	0.66	1.10	1.32			
	4.2	S33-05.6	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.57	2.46	2.31	0.88	0.46	0.13		1.00	0.25	1.26	2.10	2.52			
	8.1	S33-05.6	S33	C	Open Brush, Fair	77	59	92	4.68	4.46	4.16	1.45	0.69	0.14		1.00	0.25	2.43	4.05	4.86			
	2.3	S33-05.6	S33	C	Woodland, Grass, Fair	77	59	92	1.33	1.27	1.18	0.41	0.20	0.04		1.00	0.25	0.69	1.15	1.38			
	0.2	S33-05.6	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.14	0.14	0.13	0.06	0.04	0.02		1.00	0.20	0.06	0.10	0.12			
	6.9	S33-05.6	S33	D	Open Brush, Fair	83	67	96	4.69	4.54	4.32	1.97	1.19	0.50		1.00	0.20	2.07	3.45	4.14			
	0.7	S33-05.6	S33	D	Woodland, Grass, Fair	82	66	95	0.46	0.45	0.42	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42			
	0.4	S33-06	S33	B	Barren	86	72	97	0.29	0.29	0.27	0.14	0.09	0.05		1.00	0.30	0.12	0.20	0.24			
	9.2	S33-06	S33	B	Grass, Annual or Perennial, Fair	69	50	86	4.13	3.87	3.49	0.73	0.17	0.00		1.00	0.30	2.76	4.60	5.52			
	1	S33-06	S33	B	Open Brush, Fair	66	46	84	0.40	0.37	0.33	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60			
	1.3	S33-06	S33	B	Woodland, Grass, Fair	65	45	83	0.51	0.47	0.41	0.05	0.00	0.00		1.00	0.30	0.39	0.65	0.78			
	2.4	S33-06	S33	C	Barren	91	80	98	1.98	1.95	1.90	1.21	0.92	0.61		1.00	0.25	0.72	1.20	1.44			
	4.1	S33-06	S33	C	Chaparral, Broadleaf, Fair	75	57	91	2.23	2.12	1.96	0.62	0.26	0.03		1.00	0.25	1.23	2.05	2.46			
	19.2	S33-06	S33	C	Grass, Annual or Perennial, Fair	79	62	93	11.73	11.25	10.56	4.02	2.10	0.59		1.00	0.25	5.76	9.60	11.52			
	20.9	S33-06	S33	C	Open Brush, Fair	77	59	92	12.07	11.52	1												

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III				AMC 1/AMCII											
										Storm Event (Year)													
										EV			HC	All									
										> 5	5	2											

PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.49	0.47	0.43	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.50	1.43	1.34	0.47	0.22	0.05		1.00	0.25	0.78	1.30	1.56
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.35	0.33	0.31	0.26	0.19	0.12		0.90	0.25	0.19	0.32	0.38
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.55	0.52	0.48	0.41	0.30	0.19		0.90	0.25	0.30	0.50	0.59
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.91	0.90	0.89	0.88	0.84	0.80		0.10	0.25	0.03	0.05	0.06
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.07	0.04	0.03		0.90	0.30	0.08	0.14	0.16
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	6.00	5.96	5.90	5.79	5.57	5.28		0.10	0.25	0.20	0.33	0.40
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.90	0.85	0.79	0.68	0.49	0.31		0.90	0.25	0.49	0.81	0.97
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.54	3.52	3.49	3.42	3.29	3.12		0.10	0.25	0.12	0.20	0.23
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.45	0.43	0.39	0.34	0.24	0.15		0.90	0.25	0.24	0.41	0.49
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.30	0.08	0.13	0.15
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.13	0.12	0.11	0.09	0.06	0.04		0.90	0.30	0.11	0.18	0.22
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.54	4.51	4.47	4.39	4.22	4.00		0.10	0.25	0.15	0.25	0.30
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	1.10	1.05	0.98	0.85	0.64	0.44		0.85	0.25	0.54	0.89	1.07
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.40	0.38	0.35	0.30	0.22	0.14		0.90	0.25	0.22	0.36	0.43
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.65	1.64	1.63	1.60	1.54	1.46		0.10	0.20	0.05	0.09	0.11
PA3 Line A	2.8	A-5	S33	B	Commercial, Industrial	56	36	76	2.49	2.48	2.45	2.41	2.33	2.22		0.10	0.30	0.08	0.14	0.17
PA3 Line A	7.6	A-5	S33	C	Commercial, Industrial	69	50	86	6.91	6.86	6.79	6.67	6.42	6.08		0.10	0.25	0.23	0.38	0.46
PA3 Line A	0.4	A-5	S33	C	Public Park	69	50	86	0.21	0.20	0.19	0.16	0.12	0.08		0.85	0.25	0.10	0.17	0.20
PA3 Line A	10.5	A-5	S33	D	Commercial, Industrial	75	57	91	9.64	9.58	9.49	9.32	8.97	8.49		0.10	0.20	0.32	0.53	0.63
PA3 Line A	0.3	A-5	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16
PA3 Line A	6.8	A-6	S33	B	Commercial, Industrial	56	36	76	6.05	6.01	5.95	5.85	5.65	5.39		0.10	0.30	0.20	0.34	0.41
PA3 Line A	12.1	A-6	S33	C	Commercial, Industrial	69	50	86	11.00	10.92	10.82	10.62	10.22	9.69		0.10	0.25	0.36	0.61	0.73
PA3 Line A	1	A-6	S33	C	Public Park	69	50	86	0.53	0.50	0.47	0.41	0.31	0.21		0.85	0.25	0.26	0.43	0.51
PA3 Line A	4.5	A-6	S33	D	Commercial, Industrial	75	57	91	4.13	4.11	4.07	3.99	3.84	3.64		0.10	0.20	0.14	0.23	0.27
PA3 Line A	3.4	A-8	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.98	2.93	2.82	2.69		0.10	0.30	0.10	0.17	0.20
PA3 Line A	6.7	A-8	S33	C	Commercial, Industrial	69	50	86	6.09	6.05	5.99	5.88	5.66	5.36		0.10	0.25	0.20	0.34	0.40
PA3 Line A	0.1	A-8	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05
PA3 Line A	2.5	A-8	S33	D	Commercial, Industrial	75	57	91	2.30	2.28	2.26	2.22	2.14	2.02		0.10	0.20	0.08	0.13	0.15
PA3 Line A	7.2	A-7	S33	B	Commercial, Industrial	56	36	76	6.41	6.37	6.31	6.20	5.98	5.70		0.10	0.30	0.22	0.36	0.43
PA3 Line A	0.7	A-7	S33	B	Public Park	56	36	76	0.26	0.24	0.22	0.18	0.13	0.10		0.85	0.30	0.18	0.30	0.36
PA3 Line A	7.6	A-7	S33	C	Commercial, Industrial	69	50	86	6.91	6.86	6.79	6.67	6.42	6.08		0.10	0.25	0.23	0.38	0.46
PA3 Line A	0.3	A-7	S33	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15
PA3 Line A	4.7	A-7	S33	D	Commercial, Industrial	75	57	91	4.32	4.29	4.25	4.17	4.01	3.80		0.10	0.20	0.14	0.24	0.28
PA3 Line A	0.4	A-7	S33	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.15	0.11		0.85	0.20	0.10	0.17	0.20
PA3 Line A	3.5	A-18	S33	B	Commercial, Industrial	56	36	76	3.12	3.10	3.06	3.01	2.91	2.77		0.10	0.30	0.11	0.18	0.21
PA3 Line A	0.6	A-18	S33	B	Residential 2.5 acre lots	56	36	76	0.20	0.18	0.16	0.13	0.09	0.06		0.90	0.30	0.16	0.27	0.32
PA3 Line A	2.8	A-18	S33	C	Commercial, Industrial	69	50	86	2.54	2.53	2.50	2.46	2.36	2.24		0.10	0.25	0.08	0.14	0.17
PA3 Line A	0.8	A-18	S33	C	Residential 2.5 acre lots	69	50	86	0.40	0.38	0.35	0.30	0.22	0.14		0.90	0.25	0.22	0.36	0.43
PA3 Line A	0.6	A-18	S33	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04
PA3 Line A	0.4	A-9	S33	B	Apartments	56	36	76	0.33	0.32	0.32	0.31	0.30	0.28		0.20	0.30	0.02	0.04	0.05
PA3 Line A	5.5	A-9	S33	C	Apartments	69	50	86	4.72	4.67	4.60	4.48	4.25	3.97		0.20	0.25	0.33	0.55	0.66
PA3 Line A	3.2	A-9	S33	D	Apartments	75	57	91	2.81	2.78	2.74	2.67	2.53	2.36		0.20	0.20	0.19	0.32	0.38
PA3 Line A	0.4	A-10	S33	C	Residential 2.5 acre lots	69	50	86	0.20	0.19	0.17	0.15	0.11	0.07		0.90	0.25	0.11	0.18	0.22
PA3 Line A	0.3	A-10	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02
PA3 Line A	1.3	A-10	S33	D	Public Park	75	57	91	0.79	0.76	0.71	0.64	0.50	0.36		0.85	0.20	0.33	0.55	0.66
PA3 Line A	1	A-10	S33	D	Residential 2.5 acre lots	75	57	91	0.59	0.56	0.53	0.47	0.35	0.24		0.90	0.20	0.27	0.45	0.54
PA3 Line A	2.3	A-11	S33	C	Commercial, Industrial	69	50	86	2.09	2.08	2.06	2.02	1.94	1.84		0.10	0.25	0.07	0.12	0.14
PA3 Line A	0.3	A-11	S33	C	Residential 2.5 acre lots	69	50	86	0.15	0.14	0.13	0.11	0.08	0.05		0.90	0.25	0.08	0.14	0.16
PA3 Line A	1	A-11	S33	D	Commercial, Industrial	75	57	91	0.92	0.91	0.90	0.89	0.85	0.81		0.10	0.20	0.03	0.05	0.06
PA3 Line A	0.3	A-11	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16
PA3 Line A	5	A-12	S33	C	Commercial, Industrial	69	50	86	4.54	4.51	4.47	4.39	4.22	4.00		0.10	0.25	0.15	0.25	0.30
PA3 Line A	2.2	A-12	S33	C	Residential 2.5 acre lots	69	50	86	1.10	1.04	0.96	0.83	0.59	0.37		0.90	0.25	0.59	0.99	1.19
PA3 Line A	1	A-12	S33	D	Commercial, Industrial	75	57	91	0.92	0.91	0.90	0.89	0.85	0.81		0.10	0.20	0.03	0.05	0.06
PA3 Line A	0.3	A-12	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16
PA3 Line A	1.6	A-13	S33	C	Commercial, Industrial	69	50	86	1.45	1.44	1.43	1.40	1.35	1.28		0.10	0.25	0.05	0.08	0.10
PA3 Line A	0.2	A-13	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10
PA3 Line A	1.1	A-13	S33	C	Residential 2.5 acre lots	69	50	86	0.55	0.52	0.48	0.41	0.30	0.19		0.90	0.25	0.30	0.50	0.59
PA3 Line A	9	A-14	S33	C	Commercial, Industrial	69	50	86	8.18	8.13	8.05	7.90	7.60	7.21		0.10	0.25	0.27	0.45	0.54
PA3 Line A	1.9	A-14	S33	C	Public Park	69	50	86	1.00	0.95	0.88	0.77	0.58	0.40		0.85	0.25	0.48	0.81	0.97
PA3 Line A	2.7	A-14	S33	C	Residential 2.5 acre lots	69	50	86	1.35	1.28	1.18	1.01	0.73	0.46		0.90	0.25	0.73	1.22	1.46
PA3 Line A	4.1	A-14	S33	D	Commercial, Industrial	75	57	91	3.77	3.74	3.71	3.64	3.50	3.						

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III				AMC 1/AMCII											

PA3 Line A	5.3	OA-3	S33	C	Open Brush, Fair	77	59	92	3.06	2.92	2.72	0.95	0.45	0.09		1.00	0.25	1.59	2.65	3.18	
PA3 Line A	0.3	OA-3	S33	C	Woodland, Grass, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
PA3 Line A	3.4	A-16	S33	B	Commercial, Industrial	56	36	76	3.03	3.01	2.98	2.93	2.82	2.69		0.10	0.30	0.10	0.17	0.20	
PA3 Line A	11	A-16	S33	C	Commercial, Industrial	69	50	86	10.00	9.93	9.83	9.66	9.29	8.81		0.10	0.25	0.33	0.55	0.66	
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.95	0.90	0.84	0.73	0.55	0.38		0.85	0.25	0.46	0.77	0.92	
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.56	0.40	0.25		0.90	0.25	0.41	0.68	0.81	
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.94	2.92	2.89	2.84	2.73	2.59		0.10	0.20	0.10	0.16	0.19	
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.76	2.74	2.71	2.67	2.57	2.46		0.10	0.30	0.09	0.16	0.19	
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.51	0.48	0.44	0.36	0.26	0.19		0.85	0.30	0.36	0.60	0.71	
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.37	0.34	0.30	0.24	0.16	0.10		0.90	0.30	0.30	0.50	0.59	
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.64	4.60	4.56	4.48	4.31	4.08		0.10	0.25	0.15	0.26	0.31	
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	1.00	0.95	0.88	0.77	0.58	0.40		0.85	0.25	0.48	0.81	0.97	
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.80	1.71	1.57	1.35	0.97	0.61		0.90	0.25	0.97	1.62	1.94	
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.48	2.46	2.44	2.40	2.31	2.18		0.10	0.20	0.08	0.14	0.16	
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.06	0.06	0.05	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.29	0.28	0.26	0.23	0.18	0.12		0.90	0.20	0.14	0.23	0.27	
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07	
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.27	3.25	3.22	3.16	3.04	2.88		0.10	0.25	0.11	0.18	0.22	
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03	
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
PA3 Line A	2.7	A-20	S33	C	Residential 10+ dwellings/acre	69	50	86	2.32	2.29	2.26	2.20	2.09	1.95		0.20	0.25	0.16	0.27	0.32	
PA3 Line A	1.4	A-20	S33	C	Residential 2.5 acre lots	69	50	86	0.70	0.66	0.61	0.53	0.38	0.24		0.90	0.25	0.38	0.63	0.76	
PA3 Line A	0.1	A-20	S33	D	Public Park	75	57	91	0.06	0.06	0.05	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
PA3 Line A	1.3	A-20	S33	D	Residential 10+ dwellings/acre	75	57	91	1.14	1.13	1.11	1.09	1.03	0.96		0.20	0.20	0.08	0.13	0.16	
PA3 Line A	0.2	A-20	S33	D	Residential 2.5 acre lots	75	57	91	0.12	0.11	0.11	0.09	0.07	0.05		0.90	0.20	0.05	0.09	0.11	
PA3 Line A	5.4	A-21	S33	C	Residential 10+ dwellings/acre	69	50	86	4.63	4.59	4.52	4.40	4.17	3.90		0.20	0.25	0.32	0.54	0.65	
PA3 Line A	2.4	A-21	S33	C	Residential 2.5 acre lots	69	50	86	1.20	1.14	1.05	0.90	0.65	0.41		0.90	0.25	0.65	1.08	1.30	
PA3 Line A	0.7	A-21	S33	C	Commercial, Industrial	69	50	86	0.64	0.63	0.63	0.61	0.59	0.56		0.10	0.25	0.02	0.04	0.04	
PA3 Line A	0.6	A-21	S33	D	Residential 2.5 acre lots	75	57	91	0.35	0.34	0.32	0.28	0.21	0.14		0.90	0.20	0.16	0.27	0.32	
PA3 Line A	7.6	A-22	S33	C	Apartments	69	50	86	6.52	6.45	6.36	6.19	5.87	5.49		0.20	0.25	0.46	0.76	0.91	
PA3 Line A	1.4	A-22	S33	C	Commercial, Industrial	69	50	86	1.27	1.26	1.25	1.23	1.18	1.12		0.10	0.25	0.04	0.07	0.08	
PA3 Line A	2.3	A-22	S33	C	Residential 10+ dwellings/acre	69	50	86	1.97	1.95	1.92	1.87	1.78	1.66		0.20	0.25	0.14	0.23	0.28	
PA3 Line A	6.5	A-22	S33	C	Residential 2.5 acre lots	69	50	86	3.25	3.08	2.84	2.44	1.75	1.10		0.90	0.25	1.76	2.93	3.51	
PA3 Line A	8.4	A-22	S33	C	Residential 3-4 dwellings/acre	69	50	86	5.49	5.33	5.11	4.74	4.07	3.41		0.60	0.25	1.51	2.52	3.02	
PA3 Line A	0.5	A-22	S33	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06	
PA3 Line A	0.3	A-22	S33	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02	
PA3 Line A	1.1	A-22	S33	D	Public Park	75	57	91	0.67	0.64	0.60	0.54	0.42	0.30		0.85	0.20	0.28	0.47	0.56	
PA3 Line A	2	A-22	S33	D	Residential 10+ dwellings/acre	75	57	91	1.75	1.74	1.71	1.67	1.58	1.47		0.20	0.20	0.12	0.20	0.24	
PA3 Line A	3.8	A-22	S33	D	Residential 2.5 acre lots	75	57	91	2.23	2.13	2.00	1.77	1.35	0.91		0.90	0.20	1.03	1.71	2.05	
PA3 Line A	3.8	A-22	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.70	2.63	2.54	2.37	2.06	1.72		0.60	0.20	0.68	1.14	1.37	
PA3 Line A	0.1	A-23	S33	C	Apartments	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
PA3 Line A	1.6	A-23	S33	C	Commercial, Industrial	69	50	86	1.45	1.44	1.43	1.40	1.35	1.28		0.10	0.25	0.05	0.08	0.10	
PA3 Line A	0.2	A-23	S33	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
PA3 Line A	0.3	A-23	S33	D	Apartments	75	57	91	0.26	0.26	0.26	0.25	0.24	0.22		0.20	0.20	0.02	0.03	0.04	
PA3 Line A	2.1	A-23	S33	D	Commercial, Industrial	75	57	91	1.93	1.92	1.90	1.86	1.79	1.70		0.10	0.20	0.06	0.11	0.13	
PA3 Line A	0.6	A-23	S33	D	Public Park	75	57	91	0.36	0.35	0.33	0.30	0.23	0.17		0.85	0.20	0.15	0.26	0.31	
PA3 Line A	0.2	A-23	S33	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
PA3 Line A	0.5	A-25	S33	C	Apartments	69	50	86	0.43	0.42	0.42	0.41	0.39	0.36		0.20	0.25	0.03	0.05	0.06	
PA3 Line A	1.2	A-25	S33	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07	
PA3 Line A	1.2	A-25	S33	C	Residential 2.5 acre lots	69	50	86	0.60	0.57	0.52	0.45	0.32	0.20		0.90	0.25	0.32	0.54	0.65	
PA3 Line A	0.1	A-25	S33	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
PA3 Line A	1.6	A-25	S33	D	Commercial, Industrial	75	57	91	1.47	1.46	1.45	1.42	1.37	1.29		0.10	0.20	0.05	0.08	0.10	
PA3 Line A	3	A-25	S33	D	Residential 2.5 acre lots	75	57	91	1.76	1.68	1.58	1.40	1.06	0.72		0.90	0.20	0.81	1.35	1.62	
PA3 Line A	1.9	A-25.1	S33	C	Apartments	69	50	86	1.63	1.61	1.59	1.55	1.47	1.37		0.20	0.25	0.11	0.19	0.23	
PA3 Line A	0.6	A-25.1	S33	C	Residential 2.5 acre lots	69	50	86	0.30	0.28	0.26	0.23	0.16	0.10		0.90	0.25	0.16	0.27	0.32	
PA3 Line A	0.3	A-25.1	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.12		0.60	0.25	0.05	0.09	0.11	
PA3 Line A	5	A-25.1	S33	D	Apartments	75	57	91	4.38	4.34	4.28	4.17	3.96	3.69		0.20	0.20	0.30	0.50	0.60	
PA3 Line A	2.3	A-25.1	S33	D	Public Park	75	57	91	1.40	1.34	1.28	1.13	0.89	0.63		0.85	0.20	0.59	0.98	1.17	
PA3 Line A	3.5	A-25.1	S33	D	Residential 2.5 acre lots	75	57	91	2.05	1.96	1.84	1.63	1.24	0.84		0.90	0.20	0.95	1.58	1.89	
PA3 Line A	10.2	A-25.1	S33	D	Residential 3-4 dwellings/acre	75	57	91	7.25	7.07	6.81	6.36	5.53	4.62		0.60	0.20	1.84	3.06	3.67	
PA3 Line A	5.9	A-26	S33	C	Apartments	69	50	86	5.06	5.01	4.94	4.81	4.56	4.26		0.20	0.25	0.35	0.59</		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															
									AMC 1/AMCII				5.63										
																			Storm Event (Year)				HC
																			EV			HC	
																			> 5	5	2	All	

PA3 Line A	4.5	OA-9	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.90	2.80	2.64	1.10	0.62	0.22		1.00	0.20	1.35	2.25	2.70	
PA3 Line A	1.3	OA-9	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	0.95	0.93	0.89	0.46	0.31	0.16		1.00	0.20	0.39	0.65	0.78	
PA3 Line A	3.7	OA-9	S33	D	Open Brush, Fair	83	67	96	2.52	2.43	2.31	1.05	0.64	0.27		1.00	0.20	1.11	1.85	2.22	
PA3 Line A	1.6	A-33	S33	B	Fallow	86	72	97	1.17	1.14	1.10	0.57	0.38	0.19		1.00	0.30	0.48	0.80	0.96	
PA3 Line A	1.3	A-33	S33	B	Open Brush, Fair	66	46	84	0.53	0.49	0.43	0.07	0.01	0.00		1.00	0.30	0.39	0.65	0.78	
PA3 Line A	2.6	A-33	S33	B	Residential 2.5 acre lots	56	36	76	0.87	0.80	0.71	0.57	0.37	0.24		0.90	0.30	0.70	1.17	1.40	
PA3 Line A	1.9	A-33	S33	B	Woodland, Grass, Fair	65	45	83	0.74	0.68	0.61	0.08	0.01	0.00		1.00	0.30	0.57	0.95	1.14	
PA3 Line A	0.7	A-33	S33	C	Fallow	91	80	98	0.58	0.57	0.55	0.35	0.27	0.18		1.00	0.25	0.21	0.35	0.42	
PA3 Line A	0.8	A-33	S33	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48	
PA3 Line A	0.1	A-33	S33	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05	
PA3 Line A	1.5	A-33	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.71	0.66	0.56	0.40	0.25		0.90	0.25	0.41	0.68	0.81	
PA3 Line A	0.4	A-33	S33	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24	
PA3 Line A	0.1	A-33	S33	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
PA3 Line A	0.3	A-33	S33	D	Residential 2.5 acre lots	75	57	91	0.18	0.17	0.16	0.14	0.11	0.07		0.90	0.20	0.08	0.14	0.16	
	0.80	B1	S34	D	Commercial, Industrial	75	57	91	0.73	0.73	0.72	0.71	0.68	0.65		0.10	0.20	0.02	0.04	0.05	
	1.00	B10	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.75	0.74	0.71	0.68	0.60	0.52		0.50	0.20	0.15	0.25	0.30	
	0.10	B10	S34	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01	
	0.10	B10	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02	
	0.50	B11	S34	C	Residential 10+ dwellings/acre	69	50	86	0.43	0.42	0.42	0.41	0.39	0.36		0.20	0.25	0.03	0.05	0.06	
	0.20	B11	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06	
	0.30	B11	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02	
	3.30	B11	S34	C	Condominiums	69	50	86	2.58	2.54	2.48	2.38	2.19	1.99		0.35	0.25	0.35	0.58	0.69	
	0.20	B11	S34	D	Residential 10+ dwellings/acre	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
	0.40	B11	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.30	0.29	0.29	0.27	0.24	0.21		0.50	0.20	0.06	0.10	0.12	
	3.40	B11	S34	D	Commercial, Industrial	75	57	91	3.12	3.10	3.07	3.02	2.90	2.75		0.10	0.20	0.10	0.17	0.20	
	8.10	B11	S34	D	Condominiums	75	57	91	6.60	6.50	6.36	6.12	5.65	5.11		0.35	0.20	0.85	1.42	1.70	
	8.00	B12	S34	C	Residential 5-7 dwellings/acre	69	50	86	5.64	5.51	5.32	5.01	4.46	3.88		0.50	0.25	1.20	2.00	2.40	
	6.40	B12	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.81	4.72	4.58	4.33	3.87	3.36		0.50	0.20	0.96	1.60	1.92	
	1.20	B13	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.85	0.83	0.80	0.75	0.67	0.58		0.50	0.25	0.18	0.30	0.36	
	2.80	B13	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.11	2.06	2.00	1.89	1.69	1.47		0.50	0.20	0.42	0.70	0.84	
	0.80	B14	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.49	0.48	0.46	0.43	0.39	0.35		0.50	0.30	0.12	0.20	0.24	
	4.10	B14	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.89	2.82	2.73	2.57	2.28	1.99		0.50	0.25	0.62	1.03	1.23	
	0.70	B14	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.53	0.52	0.50	0.47	0.42	0.37		0.50	0.20	0.11	0.18	0.21	
	0.90	B15	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.55	0.54	0.52	0.49	0.44	0.40		0.50	0.30	0.14	0.23	0.27	
	4.10	B15	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.89	2.82	2.73	2.57	2.28	1.99		0.50	0.25	0.62	1.03	1.23	
	2.50	B15	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.88	1.84	1.79	1.69	1.51	1.31		0.50	0.20	0.38	0.63	0.75	
	0.20	B16	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.12	0.12	0.11	0.11	0.10	0.09		0.50	0.30	0.03	0.05	0.06	
	1.00	B16	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.70	0.69	0.67	0.63	0.56	0.49		0.50	0.25	0.15	0.25	0.30	
	1.00	B16	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.75	0.74	0.71	0.68	0.60	0.52		0.50	0.20	0.15	0.25	0.30	
	3.50	B17	S34	B	Residential 5-7 dwellings/acre	56	36	76	2.14	2.09	2.01	1.89	1.70	1.55		0.50	0.30	0.53	0.88	1.05	
	6.90	B17	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.86	4.75	4.59	4.32	3.84	3.35		0.50	0.25	1.04	1.73	2.07	
	0.20	B17	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.10		0.50	0.20	0.03	0.05	0.06	
	0.30	B18	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.18	0.18	0.17	0.16	0.15	0.13		0.50	0.30	0.05	0.08	0.09	
	0.40	B18	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.32	0.31	0.30	0.29	0.27	0.24		0.40	0.20	0.05	0.08	0.10	
	0.10	B19	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03	
	0.30	B19	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.20	0.20	0.19	0.19	0.17	0.16		0.40	0.30	0.04	0.06	0.07	
	0.60	B19	S34	B	Commercial, Industrial	56	36	76	0.53	0.53	0.53	0.52	0.50	0.48		0.10	0.30	0.02	0.03	0.04	
	0.70	B19	S34	B	Open Brush, Fair	66	46	84	0.28	0.26	0.23	0.04	0.00	0.00		1.00	0.30	0.21	0.35	0.42	
	0.30	B19	S34	C	Open Brush, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18	
	0.90	B19	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.71	0.70	0.69	0.66	0.60	0.54		0.40	0.20	0.11	0.18	0.22	
	0.40	B19	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
	0.20	B19	S34	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.03	0.01		1.00	0.20	0.06	0.10	0.12	
	0.20	B2	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02	
	1.30	B2	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.17	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08	
	0.30	B2	S34	D	Open Brush, Fair	83	67	96	0.20	0.20	0.19	0.09	0.05	0.02		1.00	0.20	0.09	0.15	0.18	
	4.90	B20	S34	B	Residential 5-7 dwellings/acre	56	36	76	3.00	2.92	2.81	2.65	2.38	2.17		0.50	0.30	0.74	1.23	1.47	
	3.60	B20	S34	B	Residential 8-10 dwellings/acre	56	36	76	2.45	2.40	2.34	2.23	2.06	1.91		0.40	0.30	0.43	0.72	0.86	
	18.40	B20	S34	C	Residential 5-7 dwellings/acre	69	50	86	12.97	12.67	12.24	11.53	10.25	8.93		0.50	0.25	2.76	4.60	5.52	
	4.30	B20	S34	C	Residential 8-10 dwellings/acre	69	50	86	3.25	3.19	3.11	2.96	2.70	2.43		0.40	0.25	0.52	0.86	1.03	
	0.50	B20	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.38	0.37	0.36	0.34	0.30	0.26		0.50	0.20	0.08	0.13	0.15	
	6.90	B20	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.48	5.39	5.26	5.03	4.60	4.11		0.40	0.20	0.83	1.38	1.66	
	0.40	B21	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.27	0.27	0.26	0.25	0.23	0.21		0.40	0.30	0.05	0.08	0.10	
	0.40	B21	S34	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02	
	0.30	B21	S34	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.02	0.00	0.00		1.00	0.30	0.09	0.15	0.18	
	0.40	B21	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.30	0.30	0.29	0.28	0.25	0.23		0.40	0.25	0.05	0.08	0.10	
	0.40	B21	S34	C	Commercial, Industrial	69	50	86	0.36	0.36	0.36	0.35	0.34	0.32		0.10	0.25	0.01	0.02	0.02	
	1.00	B21	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.79	0.78	0.76	0.73	0.67	0.60		0.40	0.20	0.12	0.20	0.24	
	0.90	B21																			

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III	AMC 1/AMCII														
Storm Event (Year)																							
EV																							
HC																							
All																							
	0.30	B22	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07			
	0.10	B22	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.30	B22	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	1.40	B22	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.11	1.09	1.07	1.02	0.93	0.83		0.40	0.20	0.17	0.28	0.34			
	0.10	B23	S34	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.70	B23	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.60	B24	S34	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.47	0.44		0.20	0.20	0.04	0.06	0.07			
	0.10	B24	S34	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	3.70	B24	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.34	3.28	3.16	2.99		0.10	0.20	0.11	0.19	0.22			
	0.30	B24	S34	D	Public Park	75	57	91	0.18	0.17	0.16	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15			
	11.50	B25	S34	D	Residential 10+ dwellings/acre	75	57	91	10.08	9.99	9.85	9.60	9.10	8.48		0.20	0.20	0.69	1.15	1.38			
	2.90	B25	S34	D	Apartments	75	57	91	2.54	2.52	2.48	2.42	2.30	2.14		0.20	0.20	0.17	0.29	0.35			
	0.70	B25	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	2.60	B25	S34	D	Public Park	75	57	91	1.58	1.52	1.43	1.28	1.00	0.72		0.85	0.20	0.66	1.11	1.33			
	0.90	B26	S34	C	Residential 10+ dwellings/acre	69	50	86	0.77	0.76	0.75	0.73	0.70	0.65		0.20	0.25	0.05	0.09	0.11			
	0.30	B26	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02			
	6.40	B26	S34	D	Residential 10+ dwellings/acre	75	57	91	5.61	5.56	5.48	5.34	5.07	4.72		0.20	0.20	0.38	0.64	0.77			
	3.70	B26	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.34	3.28	3.16	2.99		0.10	0.20	0.11	0.19	0.22			
	0.70	B26	S34	D	Condominiums	75	57	91	0.57	0.56	0.55	0.53	0.49	0.44		0.35	0.20	0.07	0.12	0.15			
	2.20	B27	S34	C	Residential 10+ dwellings/acre	69	50	86	1.89	1.87	1.84	1.79	1.70	1.59		0.20	0.25	0.13	0.22	0.26			
	0.10	B27	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	0.30	B27	S34	C	Condominiums	69	50	86	0.23	0.23	0.23	0.22	0.20	0.18		0.35	0.25	0.03	0.05	0.06			
	6.80	B27	S34	D	Residential 10+ dwellings/acre	75	57	91	5.96	5.91	5.82	5.68	5.38	5.01		0.20	0.20	0.41	0.68	0.82			
	0.10	B27	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	2.00	B27	S34	D	Condominiums	75	57	91	1.63	1.61	1.57	1.51	1.40	1.26		0.35	0.20	0.21	0.35	0.42			
	6.40	B28	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.51	4.41	4.26	4.01	3.56	3.11		0.50	0.25	0.96	1.60	1.92			
	0.90	B28	S34	C	Condominiums	69	50	86	0.70	0.69	0.68	0.65	0.60	0.54		0.35	0.25	0.09	0.16	0.19			
	5.20	B28	S34	D	Residential 5-7 dwellings/acre	75	57	91	3.91	3.83	3.72	3.52	3.14	2.73		0.50	0.20	0.78	1.30	1.56			
	0.80	B28	S34	D	Condominiums	75	57	91	0.65	0.64	0.63	0.60	0.56	0.50		0.35	0.20	0.08	0.14	0.17			
	2.90	B29	S34	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.46	2.43	2.36	2.24	2.09		0.20	0.25	0.17	0.29	0.35			
	2.90	B29	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.04	2.00	1.93	1.82	1.62	1.41		0.50	0.25	0.44	0.73	0.87			
	6.30	B29	S34	D	Residential 10+ dwellings/acre	75	57	91	5.52	5.47	5.40	5.26	4.99	4.65		0.20	0.20	0.38	0.63	0.76			
	6.00	B29	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.51	4.42	4.29	4.06	3.63	3.15		0.50	0.20	0.90	1.50	1.80			
	1.40	B2A	S34	D	Commercial, Industrial	75	57	91	1.29	1.28	1.27	1.24	1.20	1.13		0.10	0.20	0.04	0.07	0.08			
	0.50	B3	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.38	0.37	0.36	0.34	0.30	0.26		0.50	0.20	0.08	0.13	0.15			
	2.40	B3	S34	D	Commercial, Industrial	75	57	91	2.20	2.19	2.17	2.13	2.05	1.94		0.10	0.20	0.07	0.12	0.14			
	1.30	B3	S34	D	Open Brush, Fair	83	67	96	0.88	0.85	0.81	0.37	0.22	0.09		1.00	0.20	0.39	0.65	0.78			
	2.90	B30	S34	C	Residential 10+ dwellings/acre	69	50	86	2.49	2.46	2.43	2.36	2.24	2.09		0.20	0.25	0.17	0.29	0.35			
	1.60	B30	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.13	1.10	1.06	1.00	0.89	0.78		0.50	0.25	0.24	0.40	0.48			
	0.60	B31	S34	D	Apartments	75	57	91	0.53	0.52	0.51	0.50	0.47	0.44		0.20	0.20	0.04	0.06	0.07			
	0.20	B32	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	5.90	B32	S34	D	Commercial, Industrial	75	57	91	5.42	5.38	5.33	5.24	5.04	4.77		0.10	0.20	0.18	0.30	0.35			
	14.90	B33	S34	D	Commercial, Industrial	75	57	91	13.68	13.60	13.47	13.23	12.73	12.04		0.10	0.20	0.45	0.75	0.89			
	0.10	B34	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02			
	0.20	B34	S34	D	Apartments	75	57	91	0.18	0.17	0.17	0.17	0.16	0.15		0.20	0.20	0.01	0.02	0.02			
	1.80	B34	S34	D	Commercial, Industrial	75	57	91	1.65	1.64	1.63	1.60	1.54	1.46		0.10	0.20	0.05	0.09	0.11			
	0.40	B35	S34	B	Commercial, Industrial	56	36	76	0.36	0.35	0.35	0.34	0.33	0.32		0.10	0.30	0.01	0.02	0.02			
	0.10	B35	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.08	0.08	0.07	0.07	0.06		0.40	0.20	0.01	0.02	0.02			
	1.30	B35	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.17	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	9.40	B36	S34	D	Residential 8-10 dwellings/acre	75	57	91	7.46	7.34	7.16	6.86	6.27	5.60		0.40	0.20	1.13	1.88	2.26			
	0.70	B37	S34	D	Residential 10+ dwellings/acre	75	57	91	0.61	0.61	0.60	0.58	0.55	0.52		0.20	0.20	0.04	0.07	0.08			
	2.50	B37	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.98	1.95	1.91	1.82	1.67	1.49		0.40	0.20	0.30	0.50	0.60			
	1.70	B38	S34	D	Residential 10+ dwellings/acre	75	57	91	1.49	1.48	1.46	1.42	1.35	1.25		0.20	0.20	0.10	0.17	0.20			
	1.60	B38	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.27	1.25	1.22	1.17	1.07	0.95		0.40	0.20	0.19	0.32	0.38			
	1.40	B39	S34	D	Residential 10+ dwellings/acre	75	57	91	1.23	1.22	1.20	1.17	1.11	1.03		0.20	0.20	0.08	0.14	0.17			
	7.10	B39	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.64	5.54	5.41	5.18	4.73	4.23		0.40	0.20	0.85	1.42	1.70			
	2.70	B39	S34	D	Apartments	75	57	91	2.37	2.35	2.31	2.25	2.14	1.99		0.20	0.20	0.16	0.27	0.32			
	1.10	B39	S34	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	0.10	B4	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.10	B4	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.20	B4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	0.20	B4	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.60	B4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.45	0.44	0.43	0.41	0.36	0.31		0.50	0.20	0.09	0.15	0.18			
	1.90	B4	S34	D	Commercial, Industrial	75	57	91	1.75	1.73	1.72	1.69	1.62	1.54		0.10	0.20	0.06	0.10	0.11			
	1.30	B4	S34	D	Open Brush, Fair	83	67	96	0.88	0.85	0.81	0.37	0.22	0.09		1.00	0.20	0.39	0.65	0.78			
	2.90	B40	S34	D	Residential 10+ dwellings/acre	75	57	91	2.54	2.52	2.48	2.42	2.30	2.14		0.20	0.20	0.17	0.29	0.35			
	5.40	B40	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.06	3.98	3.86	3.65	3.26	2.83		0.50	0.20	0.81	1.35	1.62			
	1.00	B40	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.79	0.78	0.76	0.73	0.67	0.60		0.40	0.20	0.12	0.20	0.24			
	0.60	B40	S34	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04			
	6.10	B41	S34	D	Residential 10+ dwellings/acre	75	57	91	5.35	5.30	5.23	5.09	4.83	4.50		0.20	0.20	0.					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC 1/AMCII									5.63				

	0.60	B41	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.48	0.47	0.46	0.44	0.40	0.36		0.40	0.20	0.07	0.12	0.14	
	8.40	B42	S34	D	Residential 10+ dwellings/acre	75	57	91	7.37	7.30	7.20	7.01	6.65	6.19		0.20	0.20	0.50	0.84	1.01	
	0.60	B42	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.45	0.44	0.43	0.41	0.36	0.31		0.50	0.20	0.09	0.15	0.18	
	2.10	B43	S34	D	Residential 10+ dwellings/acre	75	57	91	1.84	1.82	1.80	1.75	1.66	1.55		0.20	0.20	0.13	0.21	0.25	
	5.00	B44	S34	D	Residential 10+ dwellings/acre	75	57	91	4.38	4.34	4.28	4.17	3.96	3.69		0.20	0.20	0.30	0.50	0.60	
	5.30	B45	S34	D	Residential 10+ dwellings/acre	75	57	91	4.65	4.60	4.54	4.43	4.20	3.91		0.20	0.20	0.32	0.53	0.64	
	1.20	B46	S34	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.88		0.20	0.20	0.07	0.12	0.14	
	0.20	B46	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01	
	1.20	B46A	S34	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.88		0.20	0.20	0.07	0.12	0.14	
	0.70	B46A	S34	D	School	75	57	91	0.50	0.49	0.47	0.44	0.38	0.32		0.60	0.20	0.13	0.21	0.25	
	1.10	B47	S34	C	Residential 10+ dwellings/acre	69	50	86	0.94	0.93	0.92	0.90	0.85	0.79		0.20	0.25	0.07	0.11	0.13	
	1.20	B47	S34	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07	
	6.30	B47	S34	C	Public Park	69	50	86	3.31	3.15	2.93	2.56	1.92	1.32		0.85	0.25	1.61	2.68	3.21	
	4.60	B47	S34	C	School	69	50	86	3.01	2.92	2.80	2.59	2.23	1.87		0.60	0.25	0.83	1.38	1.66	
	1.60	B47	S34	D	Residential 10+ dwellings/acre	75	57	91	1.40	1.39	1.37	1.34	1.27	1.18		0.20	0.20	0.10	0.16	0.19	
	4.00	B47	S34	D	Commercial, Industrial	75	57	91	3.67	3.65	3.62	3.55	3.42	3.23		0.10	0.20	0.12	0.20	0.24	
	3.90	B47	S34	D	Public Park	75	57	91	2.37	2.27	2.14	1.92	1.51	1.08		0.85	0.20	0.99	1.66	1.99	
	10.80	B47	S34	D	School	75	57	91	7.68	7.48	7.21	6.74	5.85	4.90		0.60	0.20	1.94	3.24	3.89	
	1.40	B48	S34	C	Residential 10+ dwellings/acre	69	50	86	1.20	1.19	1.17	1.14	1.08	1.01		0.20	0.25	0.08	0.14	0.17	
	16.40	B48	S34	D	Residential 10+ dwellings/acre	75	57	91	14.38	14.24	14.05	13.69	12.98	12.09		0.20	0.20	0.98	1.64	1.97	
	1.30	B48	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.17	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08	
	1.00	B49	S34	C	Residential 10+ dwellings/acre	69	50	86	0.86	0.85	0.84	0.81	0.77	0.72		0.20	0.25	0.06	0.10	0.12	
	2.00	B49	S34	C	Public Park	69	50	86	1.05	1.00	0.93	0.81	0.61	0.42		0.85	0.25	0.51	0.85	1.02	
	2.80	B49	S34	D	Residential 10+ dwellings/acre	75	57	91	2.46	2.43	2.40	2.34	2.22	2.06		0.20	0.20	0.17	0.28	0.34	
	1.50	B49	S34	D	Commercial, Industrial	75	57	91	1.38	1.37	1.36	1.33	1.28	1.21		0.10	0.20	0.05	0.08	0.09	
	0.10	B49	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02	
	1.10	B49	S34	D	Public Park	75	57	91	0.67	0.64	0.60	0.54	0.42	0.30		0.85	0.20	0.28	0.47	0.56	
	0.10	B5	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03	
	0.50	B5	S34	B	Commercial, Industrial	56	36	76	0.45	0.44	0.44	0.43	0.42	0.40		0.10	0.30	0.02	0.03	0.03	
	0.40	B5	S34	B	Open Brush, Fair	66	46	84	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.20	0.24	
	0.70	B5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.49	0.48	0.47	0.44	0.39	0.34		0.50	0.25	0.11	0.18	0.21	
	1.50	B5	S34	C	Commercial, Industrial	69	50	86	1.36	1.35	1.34	1.32	1.27	1.20		0.10	0.25	0.05	0.08	0.09	
	0.80	B5	S34	C	Open Brush, Fair	77	59	92	0.46	0.44	0.41	0.14	0.07	0.01		1.00	0.25	0.24	0.40	0.48	
	0.10	B50	S34	C	Residential 10+ dwellings/acre	69	50	86	0.09	0.08	0.08	0.08	0.08	0.07		0.20	0.25	0.01	0.01	0.01	
	1.70	B50	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.20	1.17	1.13	1.07	0.95	0.82		0.50	0.25	0.26	0.43	0.51	
	0.30	B50	S34	C	Public Park	69	50	86	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.25	0.08	0.13	0.15	
	0.80	B50	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.60	0.59	0.57	0.54	0.48	0.42		0.50	0.20	0.12	0.20	0.24	
	0.10	B50	S34	D	Public Park	75	57	91	0.06	0.06	0.05	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	0.30	B51	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.17	0.15		0.50	0.25	0.05	0.08	0.09	
	0.20	B51	S34	C	Public Park	69	50	86	0.11	0.10	0.09	0.08	0.06	0.04		0.85	0.25	0.05	0.09	0.10	
	0.20	B51	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.10		0.50	0.20	0.03	0.05	0.06	
	0.10	B51	S34	D	Public Park	75	57	91	0.06	0.06	0.05	0.05	0.04	0.03		0.85	0.20	0.03	0.04	0.05	
	0.90	B52	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.55	0.54	0.52	0.49	0.44	0.40		0.50	0.30	0.14	0.23	0.27	
	0.30	B52	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.20	0.20	0.19	0.19	0.17	0.16		0.40	0.30	0.04	0.06	0.07	
	2.50	B52	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.76	1.72	1.66	1.57	1.39	1.21		0.50	0.25	0.38	0.63	0.75	
	0.70	B52	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.53	0.52	0.51	0.48	0.44	0.39		0.40	0.25	0.08	0.14	0.17	
	9.10	B52	S34	C	Condominiums	69	50	86	7.11	7.00	6.84	6.56	6.05	5.49		0.35	0.25	0.96	1.59	1.91	
	2.80	B52	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.11	2.06	2.00	1.89	1.69	1.47		0.50	0.20	0.42	0.70	0.84	
	1.60	B52	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.27	1.25	1.22	1.17	1.07	0.95		0.40	0.20	0.19	0.32	0.38	
	7.40	B52	S34	D	Condominiums	75	57	91	6.03	5.94	5.81	5.59	5.17	4.67		0.35	0.20	0.78	1.30	1.55	
	0.30	B52	S34	D	Public Park	75	57	91	0.18	0.17	0.16	0.15	0.12	0.08		0.85	0.20	0.08	0.13	0.15	
	0.10	B53	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.06	0.06	0.06	0.05		0.40	0.30	0.01	0.02	0.02	
	0.30	B53	S34	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02	
	0.10	B53	S34	B	Open Brush, Fair	66	46	84	0.04	0.04	0.03	0.01	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.10	B53	S34	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05	
	0.10	B53	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03	
	1.30	B53	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.98	0.96	0.94	0.90	0.82	0.73		0.40	0.25	0.16	0.26	0.31	
	0.90	B53	S34	C	Commercial, Industrial	69	50	86	0.82	0.81	0.80	0.79	0.76	0.72		0.10	0.25	0.03	0.05	0.05	
	0.40	B53	S34	C	Open Brush, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24	
	0.80	B53	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.64	0.62	0.61	0.58	0.53	0.48		0.40	0.20	0.10	0.16	0.19	
	0.40	B53	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02	
	0.10	B53	S34	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06	
	0.																				

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	Storm Event (Year)									
						100	50	25	10	5	2	100	EV						HC				
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III															
	0.10	B54	S34	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	0.10	B55	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.06	0.06	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03			
	0.70	B55	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.48	0.47	0.45	0.43	0.40	0.37		0.40	0.30	0.08	0.14	0.17			
	2.20	B55	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.55	1.51	1.46	1.38	1.23	1.07		0.50	0.25	0.33	0.55	0.66			
	1.80	B55	S34	C	Residential 8-10 dwellings/acre	69	50	86	1.36	1.34	1.30	1.24	1.13	1.02		0.40	0.25	0.22	0.36	0.43			
	0.20	B55	S34	C	Condominiums	69	50	86	0.16	0.15	0.15	0.14	0.13	0.12		0.35	0.25	0.02	0.04	0.04			
	3.20	B55	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.41	2.36	2.29	2.16	1.93	1.68		0.50	0.20	0.48	0.80	0.96			
	5.70	B55	S34	D	Residential 8-10 dwellings/acre	75	57	91	4.52	4.45	4.34	4.16	3.80	3.39		0.40	0.20	0.68	1.14	1.37			
	6.40	B56	S34	B	Open Brush, Fair	66	46	84	2.58	2.40	2.14	0.32	0.04	0.00		1.00	0.30	1.92	3.20	3.84			
	1.40	B56	S34	C	Open Brush, Fair	77	59	92	0.81	0.77	0.72	0.25	0.12	0.02		1.00	0.25	0.42	0.70	0.84			
	0.60	B56	S34	D	Open Brush, Fair	83	67	96	0.41	0.39	0.38	0.17	0.10	0.04		1.00	0.20	0.18	0.30	0.36			
	1.20	B6	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.73	0.71	0.69	0.65	0.58	0.53		0.50	0.30	0.18	0.30	0.36			
	0.10	B6	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.20	B6	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	0.10	B6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	2.30	B7	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.73	1.69	1.64	1.56	1.39	1.21		0.50	0.20	0.35	0.58	0.69			
	0.40	B7	S34	D	Apartments	75	57	91	0.35	0.35	0.34	0.33	0.32	0.29		0.20	0.20	0.02	0.04	0.05			
	0.30	B8	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.18	0.18	0.17	0.16	0.15	0.13		0.50	0.30	0.05	0.08	0.09			
	0.10	B8	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.07	0.06	0.06	0.05		0.50	0.25	0.02	0.03	0.03			
	0.60	B8	S34	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.47	0.44		0.20	0.20	0.04	0.06	0.07			
	6.20	B8	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.66	4.57	4.43	4.19	3.75	3.25		0.50	0.20	0.93	1.55	1.86			
	0.90	B9	S34	D	Residential 10+ dwellings/acre	75	57	91	0.79	0.78	0.77	0.75	0.71	0.66		0.20	0.20	0.05	0.09	0.11			
	0.30	B9	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	0.10	B9	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	0.20	C1	S34	C	Condominiums	69	50	86	0.16	0.15	0.15	0.14	0.13	0.12		0.35	0.25	0.02	0.04	0.04			
	0.10	C1	S34	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.10	C1	S34	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	1.20	C2	S34	C	Commercial, Industrial	69	50	86	1.09	1.08	1.07	1.05	1.01	0.96		0.10	0.25	0.04	0.06	0.07			
	0.60	C2	S34	C	Condominiums	69	50	86	0.47	0.46	0.45	0.43	0.40	0.36		0.35	0.25	0.06	0.11	0.13			
	0.10	C2	S34	C	Public Park	69	50	86	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.25	0.03	0.04	0.05			
	0.10	C2	S34	D	Residential 10+ dwellings/acre	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	0.30	C2	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.40	C2	S34	D	Condominiums	75	57	91	0.33	0.32	0.31	0.30	0.28	0.25		0.35	0.20	0.04	0.07	0.08			
	1.10	C3	S34	C	Commercial, Industrial	69	50	86	1.00	0.99	0.98	0.97	0.93	0.88		0.10	0.25	0.03	0.06	0.07			
	1.30	C3	S34	D	Commercial, Industrial	75	57	91	1.19	1.19	1.17	1.15	1.11	1.05		0.10	0.20	0.04	0.07	0.08			
	0.60	C4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.42	0.41	0.40	0.38	0.33	0.29		0.50	0.25	0.09	0.15	0.18			
	1.70	C4	S34	C	Commercial, Industrial	69	50	86	1.55	1.53	1.52	1.49	1.44	1.36		0.10	0.25	0.05	0.09	0.10			
	1.00	C4	S34	C	Condominiums	69	50	86	0.78	0.77	0.75	0.72	0.66	0.60		0.35	0.25	0.11	0.18	0.21			
	0.10	C4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05		0.50	0.20	0.02	0.03	0.03			
	0.70	C4	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.40	C4	S34	D	Condominiums	75	57	91	0.33	0.32	0.31	0.30	0.28	0.25		0.35	0.20	0.04	0.07	0.08			
	1.30	C5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.92	0.89	0.87	0.81	0.72	0.63		0.50	0.25	0.20	0.33	0.39			
	0.40	C5	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.30	0.30	0.29	0.28	0.25	0.23		0.40	0.25	0.05	0.08	0.10			
	0.20	C5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	1.50	C5	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.13	1.11	1.07	1.01	0.91	0.79		0.50	0.20	0.23	0.38	0.45			
	1.90	C5	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.51	1.48	1.45	1.39	1.27	1.13		0.40	0.20	0.23	0.38	0.46			
	2.00	C5	S34	D	Commercial, Industrial	75	57	91	1.84	1.83	1.81	1.78	1.71	1.62		0.10	0.20	0.06	0.10	0.12			
	4.40	C6	S34	C	Apartments	69	50	86	3.77	3.74	3.68	3.59	3.40	3.18		0.20	0.25	0.26	0.44	0.53			
	0.10	C6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	6.70	C6	S34	D	Apartments	75	57	91	5.88	5.82	5.74	5.59	5.30	4.94		0.20	0.20	0.40	0.67	0.80			
	3.10	C7	S34	D	Open Brush, Fair	83	67	96	2.11	2.04	1.94	0.88	0.54	0.23		1.00	0.20	0.93	1.55	1.86			
	0.20	CCR-A1	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A1	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A2	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.50	CCR-A2	S34	C	Commercial, Industrial	69	50	86	0.45	0.45	0.45	0.44	0.42	0.40		0.10	0.25	0.02	0.03	0.03			
	0.40	CCR-A3	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A4	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.30	CCR-A4	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.20	CCR-A5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A5	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.30	CCR-A6	S34	C	Commercial, Industrial	69	50	86	0.27	0.27	0.27	0.26	0.25	0.24		0.10	0.25	0.01	0.02	0.02			
	0.30	CCR-A6	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.40	CCR-A7	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.70	CCR-A8	S34	D	Commercial, Industrial	75	57	91	0.64	0.64	0.63	0.62	0.60	0.57		0.10	0.20	0.02	0.04	0.04			
	0.10	CCR-A9	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.30	0.00	0.01	0.01			
	0.60	CCR-A9	S34	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04			
	0.30	CCR-A9	S34	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	0.50	CCR-C1	S34	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.40		0.10	0.20	0.02	0.03	0.03			
	0.50	CCR-C10	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.38	0.37	0.36	0.34	0.31</										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII										5.63				
	0.60	CCR-C2	S34	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04			
	0.20	CCR-C3	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.20	CCR-C3	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01			
	0.20	CCR-C4	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.25	0.01	0.01	0.01			
	0.50	CCR-C4	S34	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.40		0.10	0.20	0.02	0.03	0.03			
	0.10	CCR-C5	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.40	CCR-C5	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.40	CCR-C6	S34	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	0.20	CCR-C7	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.15	0.15	0.14	0.14	0.13	0.11		0.40	0.25	0.02	0.04	0.05			
	0.20	CCR-C8	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.15	0.15	0.14	0.14	0.13	0.11		0.40	0.25	0.02	0.04	0.05			
	0.30	CCR-C8	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.23	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07			
	0.30	CCR-C9	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.23	0.22	0.22	0.21	0.19	0.17		0.40	0.25	0.04	0.06	0.07			
	0.80	CCR-C9	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.64	0.62	0.61	0.58	0.53	0.48		0.40	0.20	0.10	0.16	0.19			
	0.60	HZ-101	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.11	0.10	0.08	0.00	0.00	0.00		1.00	0.40	0.18	0.30	0.36			
	3.80	HZ-101	S34	A	Open Brush, Fair	46	28	66	0.54	0.45	0.34	0.00	0.00	0.00		1.00	0.40	1.14	1.90	2.28			
	0.10	HZ-101	S34	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	1.10	HZ-101	S34	B	Commercial, Industrial	56	36	76	0.98	0.97	0.96	0.95	0.91	0.87		0.10	0.30	0.03	0.06	0.07			
	13.40	HZ-101	S34	B	Fallow	86	72	97	9.82	9.56	9.18	4.75	3.17	1.63		1.00	0.30	4.02	6.70	8.04			
	14.80	HZ-101	S34	B	Grass, Annual or Perennial, Fair	69	50	86	6.65	6.22	5.62	1.17	0.27	0.00		1.00	0.30	4.44	7.40	8.88			
	1.00	HZ-101	S34	B	Open Brush, Fair	66	46	84	0.40	0.37	0.33	0.05	0.01	0.00		1.00	0.30	0.30	0.50	0.60			
	1.20	HZ-101	S34	B	Public Park	56	36	76	0.44	0.41	0.37	0.31	0.22	0.16		0.85	0.30	0.31	0.51	0.61			
	0.00	HZ-101	S34	B	Residential 3-4 dwellings/acre	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00		0.60	0.30	0.00	0.00	0.00			
	0.00	HZ-101	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.30	0.00	0.00	0.00			
	0.00	HZ-101	S34	B	Row Crops, Good	78	61	93	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00			
	1.10	HZ-101	S34	B	Woodland, Grass, Fair	65	45	83	0.43	0.40	0.35	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.66			
	0.90	HZ-101	S34	C	Chaparral, Broadleaf, Fair	75	57	91	0.49	0.47	0.43	0.14	0.06	0.01		1.00	0.25	0.27	0.45	0.54			
	0.60	HZ-101	S34	C	Commercial, Industrial	69	50	86	0.55	0.54	0.54	0.53	0.51	0.48		0.10	0.25	0.02	0.03	0.04			
	8.70	HZ-101	S34	C	Fallow	91	80	98	7.18	7.06	6.88	4.37	3.35	2.21		1.00	0.25	2.61	4.35	5.22			
	44.90	HZ-101	S34	C	Grass, Annual or Perennial, Fair	79	62	93	27.43	26.30	24.69	9.41	4.90	1.38		1.00	0.25	13.47	22.45	26.94			
	83.50	HZ-101	S34	C	Open Brush, Fair	77	59	92	48.21	46.02	42.90	14.98	7.13	1.49		1.00	0.25	25.05	41.75	50.10			
	0.40	HZ-101	S34	C	Woodland, Grass, Fair	77	59	92	0.23	0.22	0.21	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24			
	0.80	HZ-101	S34	D	Chaparral, Broadleaf, Fair	81	64	95	0.52	0.50	0.47	0.20	0.11	0.04		1.00	0.20	0.24	0.40	0.48			
	3.70	HZ-101	S34	D	Commercial, Industrial	75	57	91	3.40	3.38	3.34	3.28	3.16	2.99		0.10	0.20	0.11	0.19	0.22			
	22.10	HZ-101	S34	D	Fallow	94	85	99	19.49	19.27	18.94	13.60	11.23	8.37		1.00	0.20	6.63	11.05	13.26			
	321.20	HZ-101	S34	D	Grass, Annual or Perennial, Fair	84	69	96	224.02	217.15	207.17	98.37	61.66	27.90		1.00	0.20	96.36	160.60	192.72			
	44.30	HZ-101	S34	D	Open Brush, Fair	83	67	96	30.12	29.13	27.71	12.63	7.66	3.23		1.00	0.20	13.29	22.15	26.58			
	2.20	HZ-101	S34	D	Public Park	75	57	91	1.33	1.28	1.21	1.08	0.85	0.61		0.85	0.20	0.56	0.94	1.12			
	10.80	HZ-101	S34	D	Residential 3-4 dwellings/acre	75	57	91	7.68	7.48	7.21	6.74	5.85	4.90		0.60	0.20	1.94	3.24	3.89			
	0.00	HZ-101	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.50	0.20	0.00	0.00	0.00			
	9.80	HZ-101	S34	D	Woodland, Grass, Fair	82	66	95	6.49	6.27	5.94	2.59	1.52	0.59		1.00	0.20	2.94	4.90	5.88			
	0.20	HZ-209	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	4.00	HZ-209	S34	C	Grass, Annual or Perennial, Fair	79	62	93	2.44	2.34	2.20	0.84	0.44	0.12		1.00	0.25	1.20	2.00	2.40			
	2.00	HZ-209	S34	D	Grass, Annual or Perennial, Fair	84	69	96	1.39	1.35	1.29	0.61	0.38	0.17		1.00	0.20	0.60	1.00	1.20			
	9.70	HZ-209	S34	A	Open Brush, Fair	46	28	66	1.38	1.15	0.87	0.00	0.00	0.00		1.00	0.40	2.91	4.85	5.82			
	2.60	HZ-209	S34	C	Open Brush, Fair	77	59	92	1.50	1.43	1.34	0.47	0.22	0.05		1.00	0.25	0.78	1.30	1.56			
	0.00	HZ-209	S34	D	Open Brush, Fair	83	67	96	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00			
	1.60	HZ-209	S34	C	Row Crops, Poor	88	75	98	1.23	1.20	1.16	0.65	0.46	0.27		1.00	0.25	0.48	0.80	0.96			
	2.00	HZ-209	S34	D	Row Crops, Poor	91	80	98	1.65	1.62	1.58	1.00	0.77	0.51		1.00	0.20	0.60	1.00	1.20			
	12.50	HZ-209	S34	A	Woodland, Grass, Fair	44	26	64	1.51	1.24	0.90	0.00	0.00	0.00		1.00	0.40	3.75	6.25	7.50			
	5.80	HZ-209	S34	C	Woodland, Grass, Fair	77	59	92	3.35	3.20	2.98	1.04	0.50	0.10		1.00	0.25	1.74	2.90	3.48			
	0.10	HZ-209	S34	D	Woodland, Grass, Fair	82	66	95	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	9.20	HZ-505	S34	A	Open Brush, Fair	46	28	66	1.31	1.09	0.83	0.00	0.00	0.00		1.00	0.40	2.76	4.60	5.52			
	6.40	HZ-505	S34	A	Public Park	32	17	52	1.04	0.98	0.93	0.90	0.88	0.84		0.85	0.40	1.63	2.72	3.26			
	3.30	HZ-505	S34	A	Row Crops, Poor	72	53	89	1.64	1.54	1.41	0.37	0.13	0.00		1.00	0.40	0.99	1.65	1.98			
	4.90	HZ-505	S34	A	Woodland, Grass, Fair	44	26	64	0.59	0.49	0.35	0.00	0.00	0.00		1.00	0.40	1.47	2.45	2.94			
	7.90	HZ-505	S34	B	Open Brush, Fair	66	46	84	3.19	2.96	2.64	0.40	0.04	0.00		1.00	0.30	2.37	3.95	4.74			
	2.00	HZ-505	S34	B	Public Park	56	36	76	0.74	0.69	0.62	0.52	0.37	0.27		0.85	0.30	0.51	0.85	1.02			
	16.20	HZ-505	S34	B	Row Crops, Poor	81	64	95	10.45	10.07	9.51	3.96	2.24	0.79		1.00	0.30	4.86	8.10	9.72			
	1.20	HZ-505	S34	B	Woodland, Grass, Fair	65	45	83	0.47	0.43	0.38	0.05	0.00	0.00		1.00	0.30	0.36	0.60	0.72			
	23.90	HZ-505	S34	C	Chaparral, Broadleaf, Fair	75	57	91	13.01	12.36	11.44	3.61	1.54	0.20		1.00	0.25	7.17	11.95	14.34			
	4.10	HZ-505	S34	C	Grass, Annual or Perennial, Fair	79	62	93	2.50	2.40	2.25	0.86	0.45	0.13		1.00	0.25	1.23	2.05	2.46			
	9.80	HZ-505	S34	C	Open Brush, Fair	77	59	92	5.66	5.40	5.03	1.76	0.84	0.17	</								

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III															
	12.39	HZ-202	S36	B	Orchards, Evergreen, Fair	65	45	83	4.82	4.46	3.96	0.52	0.04	0.00		1.00	0.30	3.72	6.20	7.44			
	2.30	HZ-202	S36	D	Orchards, Evergreen, Fair	82	66	95	1.52	1.47	1.39	0.61	0.36	0.14		1.00	0.20	0.69	1.15	1.38			
	5.19	HZ-202	S36	B	Row Crops, Poor	81	64	95	3.34	3.22	3.04	1.27	0.72	0.25		1.00	0.30	1.56	2.59	3.11			
	28.71	HZ-202	S36	D	Row Crops, Poor	91	80	98	23.68	23.28	22.69	14.43	11.04	7.28		1.00	0.20	8.61	14.35	17.23			
	0.17	HZ-202	S36	D	Woodland, Grass, Fair	82	66	95	0.11	0.11	0.10	0.04	0.03	0.01		1.00	0.20	0.05	0.08	0.10			
	5.29	HZ-203	S36	B	Grass, Annual or Perennial, Fair	69	50	86	2.38	2.22	2.01	0.42	0.10	0.00		1.00	0.30	1.59	2.64	3.17			
	31.25	HZ-203	S36	D	Grass, Annual or Perennial, Fair	84	69	96	21.79	21.13	20.15	9.57	6.00	2.71		1.00	0.20	9.37	15.62	18.75			
	0.22	HZ-203	S36	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	6.26	HZ-203	S36	D	Open Brush, Fair	83	67	96	4.25	4.12	3.91	1.78	1.08	0.46		1.00	0.20	1.88	3.13	3.76			
	0.06	HZ-203	S36	B	Orchards, Evergreen, Fair	65	45	83	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.02	0.03	0.04			
	0.22	HZ-203	S36	D	Orchards, Evergreen, Fair	82	66	95	0.15	0.14	0.13	0.06	0.03	0.01		1.00	0.20	0.07	0.11	0.13			
	2.47	HZ-203	S36	B	Public Park	56	36	76	0.91	0.85	0.77	0.64	0.46	0.34		0.85	0.30	0.63	1.05	1.26			
	3.06	HZ-203	S36	D	Public Park	75	57	91	1.86	1.79	1.68	1.51	1.18	0.84		0.85	0.20	0.78	1.30	1.56			
	17.76	HZ-203	S36	B	Residential 5-7 dwellings/acre	56	36	76	10.86	10.58	10.20	9.60	8.64	7.86		0.50	0.30	2.66	4.44	5.33			
	7.31	HZ-203	S36	D	Residential 5-7 dwellings/acre	75	57	91	5.50	5.39	5.23	4.95	4.42	3.83		0.50	0.20	1.10	1.83	2.19			
	0.34	HZ-203	S36	B	Row Crops, Poor	81	64	95	0.22	0.21	0.20	0.08	0.05	0.02		1.00	0.30	0.10	0.17	0.20			
	8.22	HZ-203	S36	D	Row Crops, Poor	91	80	98	6.78	6.66	6.49	4.13	3.16	2.08		1.00	0.20	2.46	4.11	4.93			
	0.53	HZ-203	S36	D	Woodland, Grass, Fair	82	66	95	0.35	0.34	0.32	0.14	0.08	0.03		1.00	0.20	0.16	0.27	0.32			
	2.57	HZ-204	S36	B	Fallow	86	72	97	1.88	1.83	1.76	0.91	0.61	0.31		1.00	0.30	0.77	1.28	1.54			
	1.97	HZ-204	S36	D	Fallow	94	85	99	1.73	1.72	1.69	1.21	1.00	0.74		1.00	0.20	0.59	0.98	1.18			
	1.00	HZ-204	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.45	0.42	0.38	0.08	0.02	0.00		1.00	0.30	0.30	0.50	0.60			
	2.98	HZ-204	S36	D	Grass, Annual or Perennial, Fair	84	69	96	2.08	2.02	1.92	0.91	0.57	0.26		1.00	0.20	0.89	1.49	1.79			
	2.39	HZ-204	S36	B	Open Brush, Fair	66	46	84	0.97	0.90	0.80	0.12	0.01	0.00		1.00	0.30	0.72	1.20	1.43			
	1.67	HZ-204	S36	C	Open Brush, Fair	77	59	92	0.96	0.92	0.86	0.30	0.14	0.03		1.00	0.25	0.50	0.84	1.00			
	0.44	HZ-204	S36	D	Open Brush, Fair	83	67	96	0.30	0.29	0.27	0.12	0.08	0.03		1.00	0.20	0.13	0.22	0.26			
	2.65	HZ-204	S36	B	Public Park	56	36	76	0.97	0.91	0.82	0.69	0.49	0.36		0.85	0.30	0.67	1.12	1.35			
	1.16	HZ-204	S36	D	Public Park	75	57	91	0.70	0.68	0.64	0.57	0.45	0.32		0.85	0.20	0.30	0.49	0.59			
	0.47	HZ-204	S36	B	Residential 5-7 dwellings/acre	56	36	76	0.29	0.28	0.27	0.26	0.23	0.21		0.50	0.30	0.07	0.12	0.14			
	0.25	HZ-204	S36	D	Residential 5-7 dwellings/acre	75	57	91	0.19	0.19	0.18	0.17	0.15	0.13		0.50	0.20	0.04	0.06	0.08			
	20.24	HZ-204	S36	B	Row Crops, Poor	81	64	95	13.05	12.57	11.88	4.95	2.79	0.99		1.00	0.30	6.07	10.12	12.14			
	7.08	HZ-204	S36	C	Row Crops, Poor	88	75	98	5.45	5.32	5.14	2.90	2.05	1.18		1.00	0.25	2.12	3.54	4.25			
	6.74	HZ-204	S36	D	Row Crops, Poor	91	80	98	5.56	5.47	5.33	3.39	2.59	1.71		1.00	0.20	2.02	3.37	4.05			
	0.02	HZ-204	S36	C	Woodland, Grass, Fair	77	59	92	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.25	0.01	0.01	0.01			
	0.93	HZ-204	S36	D	Woodland, Grass, Fair	82	66	95	0.62	0.59	0.56	0.25	0.14	0.06		1.00	0.20	0.28	0.46	0.56			
	2.55	HZ-205	S36	B	Fallow	86	72	97	1.87	1.82	1.75	0.90	0.60	0.31		1.00	0.30	0.76	1.27	1.53			
	0.01	HZ-205	S36	C	Fallow	91	80	98	0.01	0.01	0.01	0.01	0.00	0.00		1.00	0.25	0.00	0.01	0.01			
	1.35	HZ-205	S36	D	Fallow	94	85	99	1.19	1.18	1.16	0.83	0.69	0.51		1.00	0.20	0.41	0.68	0.81			
	0.44	HZ-205	S36	A	Grass, Annual or Perennial, Fair	50	31	70	0.08	0.07	0.06	0.00	0.00	0.00		1.00	0.40	0.13	0.22	0.27			
	0.67	HZ-205	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.47	0.45	0.43	0.20	0.13	0.06		1.00	0.20	0.20	0.33	0.40			
	1.06	HZ-205	S36	A	Open Brush, Fair	46	28	66	0.15	0.13	0.09	0.00	0.00	0.00		1.00	0.40	0.32	0.53	0.63			
	2.16	HZ-205	S36	B	Open Brush, Fair	66	46	84	0.87	0.81	0.72	0.11	0.01	0.00		1.00	0.30	0.65	1.08	1.30			
	2.45	HZ-205	S36	C	Open Brush, Fair	77	59	92	1.41	1.35	1.26	0.44	0.21	0.04		1.00	0.25	0.73	1.22	1.47			
	6.15	HZ-205	S36	D	Open Brush, Fair	83	67	96	4.18	4.04	3.84	1.75	1.06	0.45		1.00	0.20	1.84	3.07	3.69			
	1.34	HZ-205	S36	A	Row Crops, Poor	72	53	89	0.66	0.62	0.57	0.15	0.05	0.00		1.00	0.40	0.40	0.67	0.80			
	18.46	HZ-205	S36	B	Row Crops, Poor	81	64	95	11.91	11.47	10.84	4.52	2.55	0.90		1.00	0.30	5.54	9.23	11.07			
	4.13	HZ-205	S36	C	Row Crops, Poor	88	75	98	3.18	3.11	3.00	1.69	1.20	0.69		1.00	0.25	1.24	2.07	2.48			
	8.69	HZ-205	S36	D	Row Crops, Poor	91	80	98	7.17	7.05	6.87	4.37	3.34	2.20		1.00	0.20	2.61	4.34	5.21			
	0.73	HZ-205	S36	A	Woodland, Grass, Fair	44	26	64	0.09	0.07	0.05	0.00	0.00	0.00		1.00	0.40	0.22	0.36	0.44			
	0.41	HZ-205	S36	B	Woodland, Grass, Fair	65	45	83	0.16	0.15	0.13	0.02	0.00	0.00		1.00	0.30	0.12	0.21	0.25			
	1.37	HZ-205	S36	C	Woodland, Grass, Fair	77	59	92	0.79	0.75	0.70	0.24	0.12	0.02		1.00	0.25	0.41	0.68	0.82			
	3.11	HZ-205	S36	D	Woodland, Grass, Fair	82	66	95	2.06	1.99	1.88	0.82	0.48	0.19		1.00	0.20	0.93	1.55	1.87			
	3.39	S36-00.5	S36	D	Open Brush, Fair	83	67	96	2.31	2.23	2.12	0.97	0.59	0.25		1.00	0.20	1.02	1.70	2.04			
	0.00	S36-01	S36	B	Open Brush, Fair	66	46	84	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00			
	7.45	S36-01	S36	D	Open Brush, Fair	83	67	96	5.06	4.90	4.66	2.12	1.29	0.54		1.00	0.20	2.23	3.72	4.47			
	0.32	S36-02	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.22	0.21	0.20	0.10	0.06	0.03		1.00	0.20	0.10	0.16	0.19			
	4.70	S36-02	S36	B	Open Brush, Fair	66	46	84	1.90	1.76	1.57	0.24	0.03	0.00		1.00	0.30	1.41	2.35	2.82			
	25.05	S36-02	S36	D	Open Brush, Fair	83	67	96	17.03	16.47	15.67	7.14	4.33	1.82		1.00	0.20	7.51	12.52	15.03			
	0.45	S36-02	S36	B	Woodland, Grass, Fair	65	45	83	0.17	0.16	0.14	0.02											

RANCHO MISSION VIEJO																								
PA-3&4 (Ultimate Conditions)																								
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)																								
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	Storm Event (Year)							HC				
							100	50	25	10	5		2	100	100	100					100			
							P ₂₄ (Inches)																	
							AMC																	
II	I	III	P ₂₄ (Inches)					AMC 1/AMCII					5.63	EV					HC					
															> 5	5	1	2	All					
	2.36	S36-04.5	S36	D	Fallow	94	85	99	2.08	2.05	2.02	1.45	1.20	0.89		1.00	0.20	0.71	1.18	1.41				
	0.60	S36-04.5	S36	B	Meadows or Cienegas, Fair	70	51	87	0.28	0.26	0.24	0.05	0.01	0.00		1.00	0.30	0.18	0.30	0.36				
	0.22	S36-04.5	S36	D	Meadows or Cienegas, Fair	84	69	96	0.15	0.15	0.14	0.07	0.04	0.02		1.00	0.20	0.07	0.11	0.13				
	2.22	S36-04.5	S36	B	Open Brush, Fair	66	46	84	0.90	0.83	0.74	0.11	0.01	0.00		1.00	0.30	0.67	1.11	1.33				
	3.42	S36-04.5	S36	D	Open Brush, Fair	83	67	96	2.33	2.25	2.14	0.98	0.59	0.25		1.00	0.20	1.03	1.71	2.05				
	1.44	S36-04.5	S36	B	Woodland, Grass, Fair	65	45	83	0.56	0.52	0.46	0.06	0.00	0.00		1.00	0.30	0.43	0.72	0.86				
	0.01	S36-04.5	S36	D	Woodland, Grass, Fair	82	66	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00				
	5.39	S36-21	S36	D	Chaparral, Broadleaf, Fair	81	64	95	3.48	3.35	3.16	1.32	0.74	0.26		1.00	0.20	1.62	2.69	3.23				
	16.30	S36-21	S36	B	Fallow	86	72	97	11.95	11.63	11.17	5.77	3.85	1.98		1.00	0.30	4.89	8.15	9.78				
	4.08	S36-21	S36	C	Fallow	91	80	98	3.37	3.31	3.23	2.05	1.57	1.04		1.00	0.25	1.22	2.04	2.45				
	12.36	S36-21	S36	D	Fallow	94	85	99	10.90	10.78	10.60	7.61	6.28	4.68		1.00	0.20	3.71	6.18	7.42				
	11.23	S36-21	S36	B	Open Brush, Fair	66	46	84	4.54	4.21	3.75	0.56	0.06	0.00		1.00	0.30	3.37	5.61	6.74				
	5.16	S36-21	S36	C	Open Brush, Fair	77	59	92	2.98	2.84	2.65	0.92	0.44	0.09		1.00	0.25	1.55	2.58	3.09				
	53.93	S36-21	S36	D	Open Brush, Fair	83	67	96	36.66	35.47	33.73	15.37	9.33	3.93		1.00	0.20	16.18	26.97	32.36				
	0.44	S36-21	S36	B	Woodland, Grass, Fair	65	45	83	0.17	0.16	0.14	0.02	0.00	0.00		1.00	0.30	0.13	0.22	0.27				
	3.98	S36-21	S36	D	Woodland, Grass, Fair	82	66	95	2.63	2.54	2.41	1.05	0.62	0.24		1.00	0.20	1.19	1.99	2.39				
	0.96	S36-41	S36	C	Chaparral, Broadleaf, Fair	75	57	91	0.52	0.50	0.46	0.15	0.06	0.01		1.00	0.25	0.29	0.48	0.58				
	0.01	S36-41	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00				
	1.56	S36-41	S36	B	Chaparral, Narrowleaf, Fair	72	53	89	0.77	0.73	0.67	0.18	0.06	0.00		1.00	0.30	0.47	0.78	0.93				
	10.45	S36-41	S36	D	Chaparral, Narrowleaf, Fair	86	72	97	7.66	7.46	7.16	3.70	2.47	1.27		1.00	0.20	3.14	5.23	6.27				
	44.94	S36-41	S36	B	Fallow	86	72	97	32.94	32.07	30.78	15.92	10.61	5.46		1.00	0.30	13.48	22.47	26.96				
	9.66	S36-41	S36	C	Fallow	91	80	98	7.97	7.83	7.63	4.85	3.72	2.45		1.00	0.25	2.90	4.83	5.80				
	16.49	S36-41	S36	D	Fallow	94	85	99	14.54	14.38	14.14	10.15	8.38	6.24		1.00	0.20	4.95	8.25	9.90				
	20.39	S36-41	S36	D	Grass, Annual or Perennial, Fair	84	69	96	14.22	13.78	13.15	6.24	3.91	1.77		1.00	0.20	6.12	10.19	12.93				
	7.02	S36-41	S36	B	Open Brush, Fair	66	46	84	2.83	2.63	2.34	0.35	0.04	0.00		1.00	0.30	2.10	3.51	4.21				
	12.58	S36-41	S36	C	Open Brush, Fair	77	59	92	7.27	6.94	6.47	2.26	1.08	0.22		1.00	0.25	3.78	6.29	7.55				
	42.49	S36-41	S36	D	Open Brush, Fair	83	67	96	28.89	27.94	26.58	12.11	7.35	3.10		1.00	0.20	12.75	21.25	25.50				
	5.73	S36-41	S36	B	Woodland, Grass, Fair	65	45	83	2.23	2.06	1.83	0.24	0.02	0.00		1.00	0.30	1.72	2.86	3.44				
	1.78	S36-41	S36	C	Woodland, Grass, Fair	77	59	92	1.03	0.98	0.91	0.32	0.15	0.03		1.00	0.25	0.53	0.89	1.07				
	6.25	S36-41	S36	D	Woodland, Grass, Fair	82	66	95	4.14	3.99	3.79	1.65	0.97	0.38		1.00	0.20	1.87	3.12	3.75				
	0.67	S36-42	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.24	0.22	0.19	0.02	0.00	0.00		1.00	0.30	0.20	0.33	0.40				
	24.24	S36-42	S36	C	Chaparral, Broadleaf, Fair	75	57	91	13.20	12.54	11.61	3.66	1.56	0.20		1.00	0.25	7.27	12.12	14.55				
	1.34	S36-42	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.86	0.83	0.78	0.33	0.18	0.07		1.00	0.20	0.40	0.67	0.80				
	0.00	S36-42	S36	C	Commercial, Industrial	69	50	86	0.00	0.00	0.00	0.00	0.00	0.00		0.10	0.25	0.00	0.00	0.00				
	74.98	S36-42	S36	B	Fallow	86	72	97	54.96	53.50	51.36	28.55	17.71	9.11		1.00	0.30	22.49	37.49	44.99				
	101.12	S36-42	S36	C	Fallow	91	80	98	83.41	82.01	79.91	50.81	38.89	25.64		1.00	0.25	30.34	50.56	60.67				
	16.90	S36-42	S36	D	Fallow	94	85	99	14.90	14.74	14.49	10.40	8.59	6.40		1.00	0.20	5.07	8.45	10.14				
	9.95	S36-42	S36	C	Grass, Annual or Perennial, Fair	79	62	93	6.08	5.83	5.47	2.09	1.09	0.31		1.00	0.25	2.99	4.98	5.97				
	10.02	S36-42	S36	D	Grass, Annual or Perennial, Fair	84	69	96	6.99	6.78	6.46	3.07	1.92	0.87		1.00	0.20	3.01	5.01	6.01				
	4.45	S36-42	S36	B	Open Brush, Fair	66	46	84	1.80	1.67	1.49	0.22	0.02	0.00		1.00	0.30	1.33	2.22	2.67				
	179.37	S36-42	S36	C	Open Brush, Fair	77	59	92	103.56	98.86	92.15	32.17	15.33	3.20		1.00	0.25	53.81	89.68	107.62				
	11.47	S36-42	S36	D	Open Brush, Fair	83	67	96	7.80	7.54	7.17	3.27	1.98	0.84		1.00	0.20	3.44	5.73	6.88				
	0.17	S36-42	S36	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.04		0.85	0.25	0.04	0.07	0.09				
	0.03	S36-42	S36	D	Public Park	75	57	91	0.02	0.02	0.02	0.02	0.01	0.01		0.85	0.20	0.01	0.01	0.02				
	5.14	S36-42	S36	B	Woodland, Grass, Fair	65	45	83	2.00	1.85	1.64	0.21	0.01	0.00		1.00	0.30	1.54	2.57	3.08				
	11.22	S36-42	S36	C	Woodland, Grass, Fair	77	59	92	6.48	6.18	5.76	2.01	0.96	0.20		1.00	0.25	3.37	5.61	6.73				
	0.33	S36-42	S36	D	Woodland, Grass, Fair	82	66	95	0.22	0.21	0.20	0.09	0.05	0.02		1.00	0.20	0.10	0.16	0.20				
	0.22	S36-43	S36	B	Barren	86	72	97	0.16	0.16	0.15	0.08	0.05	0.03		1.00	0.30	0.07	0.11	0.13				
	2.17	S36-43	S36	C	Barren	91	80	98	1.79	1.76	1.72	1.09	0.84	0.55		1.00	0.25	0.65	1.09	1.30				
	9.19	S36-43	S36	C	Chaparral, Broadleaf, Fair	75	57	91	5.00	4.75	4.40	1.39	0.59	0.08		1.00	0.25	2.76	4.59	5.51				
	67.57	S36-43	S36	B	Fallow	86	72	97	49.53	48.21	46.29	23.93	15.96	8.21		1.00	0.30	20.27	33.78	40.54				
	35.19	S36-43	S36	C	Fallow	91	80	98	29.03	28.54	27.81	17.68	13.53	8.92		1.00	0.25	10.56	17.59	21.11				
	30.67	S36-43	S36	D	Fallow	94	85	99	27.05	26.75	26.29	18.87	15.59	11.61		1.00	0.20	9.20	15.34	18.40				
	0.89	S36-43	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.40	0.38	0.34	0.07	0.02	0.00		1.00	0.30	0.27	0.45	0.54				
	20.64	S36-43	S36	C	Grass, Annual or Perennial, Fair	79	62	93	12.61	12.09	11.35	4.33	2.25	0.63		1.00	0.25	6.19	10.32	12.39				
	2.69	S36-43	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.88	1.82	1.74	0.83	0.52	0.23		1.00	0.20	0.81	1.35	1.62				
	8.45	S36-43	S36	B	Open Brush, Fair	66	46	84	3.41	3.16	2.82	0.42	0.05	0.00		1.00	0.30	2.54	4.23	5.07				
	96.93	S36-43	S36	C	Open Brush, Fair	77	59	92	55.96	53.42	49.80	17.38	8.28	1.73		1.00	0.25	29.08	48.46	58.16				
	13.19	S36-43	S36	D	Open Brush, Fair	83	67	96	8.97	8.68	8.25	3.76	2.28	0.96		1.00	0.20	3.96	6.60	7.92				
	42.53	S36-43	S36	B	Row Crops, Poor	81	64	95	27.44	26.43	24.97	10.41	5.87	2.07		1.00	0.30	12.76	21.27	25.52				
	16.96	S36-43	S36	C	Row Crops, Poor	88	75	98	13.05	12.75	12.31	6.93	4.90	2.82		1.00	0.25	5.09	8.48	10.17				
	80.60	S36-43	S36	D	Row Crops, Poor	91	80	98	66.49	65.37	63.70	40.50	31.00	20.44		1.00	0.20	24.18	40.30	48.36				
	1.56	S36-43	S36	B	Woodland, Grass, Fair	65	45	83	0.61	0.56	0.50	0.07	0.00	0.00		1.00	0.30	0.47	0.78	0.93				
	2.00	S36-43	S36	C	Woodland, Grass, Fair	77	59	92	1.16	1.10	1.03	0.36	0.17	0.04		1.00	0.25	0.60	1.00	1.20				
	3.11	S36-43	S36	D	Woodland, Grass, Fair	82	66	95	2.06	1.99	1.89	0.82	0.48	0.19		1.00	0.20	0.93	1.56	1.87				
	0.89	S36-61	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.32	0.29	0.26	0.03	0.00	0.00										

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100	Storm Event (Year)										
						AMC			P ₂₄ (Inches)					Storm Event (Year)									
						II	I	III	AMC 1/AMCII					5.63	EV				HC				
													> 5			5	2	All					
	3.14	S36-61	S36	D	Fallow	94	85	99	2.77	2.74	2.69	1.93	1.60	1.19		1.00	0.20	0.94	1.57	1.89			
	0.67	S36-61	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.30	0.28	0.25	0.05	0.01	0.00		1.00	0.30	0.20	0.33	0.40			
	9.52	S36-61	S36	C	Grass, Annual or Perennial, Fair	79	62	93	5.81	5.57	5.23	1.99	1.04	0.29		1.00	0.25	2.85	4.76	5.71			
	0.71	S36-61	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.50	0.48	0.46	0.22	0.14	0.06		1.00	0.20	0.21	0.36	0.43			
	0.22	S36-61	S36	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	39.42	S36-61	S36	C	Open Brush, Fair	77	59	92	22.76	21.73	20.25	7.07	3.37	0.70		1.00	0.25	11.83	19.71	23.65			
	0.62	S36-61	S36	D	Open Brush, Fair	83	67	96	0.42	0.40	0.38	0.18	0.11	0.04		1.00	0.20	0.18	0.31	0.37			
	0.11	S36-61	S36	B	Orchards, Evergreen, Fair	65	45	83	0.04	0.04	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.77	S36-61	S36	D	Orchards, Evergreen, Fair	82	66	95	0.51	0.49	0.47	0.20	0.12	0.05		1.00	0.20	0.23	0.39	0.46			
	0.22	S36-61	S36	B	Woodland, Grass, Fair	65	45	83	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	2.69	S36-61	S36	D	Woodland, Grass, Fair	82	66	95	1.78	1.72	1.63	0.71	0.42	0.16		1.00	0.20	0.81	1.34	1.61			
	0.22	S36-62	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	9.22	S36-62	S36	C	Chaparral, Broadleaf, Fair	75	57	91	5.02	4.77	4.42	1.39	0.59	0.08		1.00	0.25	2.77	4.61	5.53			
	0.54	S36-62	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.35	0.34	0.32	0.13	0.07	0.03		1.00	0.20	0.16	0.27	0.32			
	5.65	S36-62	S36	B	Fallow	86	72	97	4.14	4.03	3.87	2.00	1.33	0.69		1.00	0.30	1.69	2.82	3.39			
	3.66	S36-62	S36	C	Fallow	91	80	98	3.02	2.97	2.89	1.84	1.41	0.93		1.00	0.25	1.10	1.83	2.19			
	0.67	S36-62	S36	D	Fallow	94	85	99	0.59	0.58	0.57	0.41	0.34	0.25		1.00	0.20	0.20	0.33	0.40			
	1.56	S36-62	S36	B	Grass, Annual or Perennial, Fair	69	50	86	0.70	0.65	0.59	0.12	0.03	0.00		1.00	0.30	0.47	0.78	0.93			
	9.40	S36-62	S36	C	Grass, Annual or Perennial, Fair	79	62	93	5.74	5.51	5.17	1.97	1.03	0.29		1.00	0.25	2.82	4.70	5.64			
	2.76	S36-62	S36	D	Grass, Annual or Perennial, Fair	84	69	96	1.92	1.86	1.78	0.84	0.53	0.24		1.00	0.20	0.83	1.38	1.65			
	17.38	S36-62	S36	C	Open Brush, Fair	77	59	92	10.03	9.58	8.93	3.12	1.48	0.31		1.00	0.25	5.21	8.69	10.43			
	2.46	S36-62	S36	D	Open Brush, Fair	83	67	96	1.68	1.62	1.54	0.70	0.43	0.18		1.00	0.20	0.74	1.23	1.48			
	5.56	S36-62	S36	B	Orchards, Evergreen, Fair	65	45	83	2.16	2.00	1.77	0.23	0.02	0.00		1.00	0.30	1.67	2.78	3.34			
	0.65	S36-62	S36	C	Orchards, Evergreen, Fair	77	59	92	0.38	0.36	0.33	0.12	0.06	0.01		1.00	0.25	0.20	0.33	0.39			
	1.70	S36-62	S36	D	Woodland, Grass, Fair	82	66	95	1.13	1.09	1.03	0.45	0.26	0.10		1.00	0.20	0.51	0.85	1.02			
	0.22	S36-81	S36	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.06	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	5.28	S36-81	S36	C	Chaparral, Broadleaf, Fair	75	57	91	2.88	2.73	2.53	0.80	0.34	0.04		1.00	0.25	1.58	2.64	3.17			
	0.52	S36-81	S36	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.31	0.13	0.07	0.03		1.00	0.20	0.16	0.26	0.31			
	3.61	S36-81	S36	B	Fallow	86	72	97	2.65	2.58	2.47	1.28	0.85	0.44		1.00	0.30	1.08	1.80	2.17			
	0.67	S36-81	S36	C	Fallow	91	80	98	0.55	0.54	0.53	0.34	0.26	0.17		1.00	0.25	0.20	0.33	0.40			
	1.37	S36-81	S36	D	Fallow	94	85	99	1.21	1.19	1.17	0.84	0.69	0.52		1.00	0.20	0.41	0.68	0.82			
	6.90	S36-81	S36	B	Grass, Annual or Perennial, Fair	69	50	86	3.10	2.90	2.62	0.54	0.13	0.00		1.00	0.30	2.07	3.45	4.14			
	23.04	S36-81	S36	C	Grass, Annual or Perennial, Fair	79	62	93	14.07	13.50	12.67	4.83	2.52	0.71		1.00	0.25	6.91	11.52	13.82			
	1.18	S36-81	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.82	0.80	0.76	0.36	0.23	0.10		1.00	0.20	0.35	0.59	0.71			
	1.56	S36-81	S36	B	Open Brush, Fair	66	46	84	0.63	0.58	0.52	0.08	0.01	0.00		1.00	0.30	0.47	0.78	0.94			
	53.20	S36-81	S36	C	Open Brush, Fair	77	59	92	30.72	29.32	27.33	9.54	4.55	0.95		1.00	0.25	15.96	26.60	31.92			
	2.08	S36-81	S36	D	Open Brush, Fair	83	67	96	1.42	1.37	1.30	0.59	0.36	0.15		1.00	0.20	0.62	1.04	1.25			
	0.01	S36-81	S36	C	Orchards, Evergreen, Fair	77	59	92	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.25	0.00	0.01	0.01			
	0.18	S36-81	S36	B	Row Crops, Poor	81	64	95	0.12	0.11	0.10	0.04	0.02	0.01		1.00	0.30	0.05	0.09	0.11			
	0.39	S36-81	S36	D	Row Crops, Poor	91	80	98	0.32	0.31	0.30	0.19	0.15	0.10		1.00	0.20	0.12	0.19	0.23			
	0.22	S36-81	S36	B	Woodland, Grass, Fair	65	45	83	0.09	0.08	0.07	0.01	0.00	0.00		1.00	0.30	0.07	0.11	0.13			
	7.73	S36-81	S36	C	Woodland, Grass, Fair	77	59	92	4.47	4.26	3.97	1.39	0.66	0.14		1.00	0.25	2.32	3.87	4.64			
	4.37	S36-81	S36	D	Woodland, Grass, Fair	82	66	95	2.90	2.80	2.65	1.16	0.68	0.26		1.00	0.20	1.31	2.19	2.62			
	8.49	S36-83	S36	B	Fallow	86	72	97	6.22	6.06	5.82	3.01	2.01	1.03		1.00	0.30	2.55	4.25	5.09			
	13.30	S36-83	S36	C	Fallow	91	80	98	10.98	10.79	10.52	6.69	5.12	3.37		1.00	0.25	3.99	6.65	7.98			
	0.87	S36-83	S36	D	Fallow	94	85	99	0.77	0.76	0.75	0.54	0.44	0.33		1.00	0.20	0.26	0.43	0.52			
	20.30	S36-83	S36	C	Grass, Annual or Perennial, Fair	79	62	93	12.40	11.89	11.16	4.25	2.22	0.62		1.00	0.25	6.09	10.15	12.18			
	1.21	S36-83	S36	D	Grass, Annual or Perennial, Fair	84	69	96	0.84	0.82	0.78	0.37	0.23	0.10		1.00	0.20	0.36	0.60	0.72			
	0.05	S36-83	S36	A	Open Brush, Fair	46	28	66	0.01	0.01	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.03	0.03			
	12.56	S36-83	S36	C	Open Brush, Fair	77	59	92	7.25	6.92	6.45	2.25	1.07	0.22		1.00	0.25	3.77	6.28	7.53			
	0.81	S36-83	S36	D	Open Brush, Fair	83	67	96	0.55	0.53	0.51	0.23	0.14	0.06		1.00	0.20	0.24	0.40	0.49			
	0.00	S36-83	S36	B	Row Crops, Poor	81	64	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.00	0.00	0.00			
	0.01	S36-83	S36	D	Row Crops, Poor	91	80	98	0.01	0.01	0.01	0.01	0.01	0.00		1.00	0.20	0.00	0.01	0.01			
	0.00	S36-83	S36	A	Woodland, Grass, Fair	44	26	64	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.00	0.00	0.00			
	1.11	S36-83	S36	B	Woodland, Grass, Fair	65	45	83	0.43	0.40	0.35	0.05	0.00	0.00		1.00	0.30	0.33	0.55	0.67			
	0.59	S36-83	S36	C	Woodland, Grass, Fair	77	59	92	0.34	0.32	0.30	0.10	0.05	0.01		1.00	0.25	0.18	0.29	0.35			
	3.04	S36-83	S36	D	Woodland, Grass, Fair	82	66	95	2.02	1.95	1.84	0.81	0.47	0.18		1.00	0.20	0.91	1.52	1.83			
	0.23	S36-86	S36	C	Open Brush, Fair	77	59	92	0.13	0.12	0.12	0.04	0.02	0.00		1.00	0.25	0.07	0.11	0.14			
	1.52	S36-86	S36	D	Open Brush, Fair	83	67	96	1.03	1.00	0.95	0.43	0.26	0.11		1.00	0.20	0.46	0.76	0.91			
	0.06	S36-86	S36	A	Woodland, Grass, Fair	44	26	64	0.01	0.01	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.03	0.03			
	0.13	S36-86	S36	C	Woodland, Grass, Fair	77	59	92	0.08	0.07	0.07	0.02	0.01	0.00		1.00	0.25	0.04	0.07	0.08			
	6.45	S36-86	S36	D	Woodland, Grass, Fair	82	66	95	4.27	4.12	3.91	1.71	1.00	0.39		1.00	0.20	1.93	3.22	3.87			
	0.1	PA-2	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.07	0.07	0.06	0.											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII					5.63									
	6.9	PA-2	s36	C	Public Park	69	50	86	3.63	3.45	3.21	2.81	2.11	1.44		0.85	0.25	1.76	2.93	3.52			
	0.4	PA-2	s36	D	Public Park	75	57	91	0.24	0.23	0.22	0.20	0.15	0.11		0.85	0.20	0.10	0.17	0.20			
	0.8	A1	s36	D	Residential 10+ dwellings/acre	75	57	91	0.70	0.69	0.69	0.67	0.63	0.59		0.20	0.20	0.05	0.08	0.10			
	0.5	A10	s36	D	Apartments	75	57	91	0.44	0.43	0.43	0.42	0.40	0.37		0.20	0.20	0.03	0.05	0.06			
	0.9	A10	s36	D	Commercial, Industrial	75	57	91	0.83	0.82	0.81	0.80	0.77	0.73		0.10	0.20	0.03	0.05	0.05			
	3.9	A10	s36	D	Condominiums	75	57	91	3.18	3.13	3.06	2.95	2.72	2.46		0.35	0.20	0.41	0.68	0.82			
	14.6	A11	s36	D	Apartments	75	57	91	12.80	12.68	12.51	12.19	11.56	10.77		0.20	0.20	0.88	1.46	1.75			
	1.1	A11	s36	D	Commercial, Industrial	75	57	91	1.01	1.00	0.99	0.98	0.94	0.89		0.10	0.20	0.03	0.06	0.07			
	4.3	A11	s36	D	Condominiums	75	57	91	3.50	3.45	3.38	3.25	3.00	2.71		0.35	0.20	0.45	0.75	0.90			
	0.5	A12	s36	B	Residential 10+ dwellings/acre	56	36	76	0.41	0.41	0.40	0.39	0.37	0.35		0.20	0.30	0.03	0.05	0.06			
	10	A12	s36	D	Residential 10+ dwellings/acre	75	57	91	8.77	8.69	8.57	8.35	7.92	7.37		0.20	0.20	0.60	1.00	1.20			
	1.7	A12	s36	D	Apartments	75	57	91	1.49	1.48	1.46	1.42	1.35	1.25		0.20	0.20	0.10	0.17	0.20			
	0.5	A12	s36	D	Commercial, Industrial	75	57	91	0.46	0.46	0.45	0.44	0.43	0.40		0.10	0.20	0.02	0.03	0.03			
	1	A12	s36	D	Condominiums	75	57	91	0.81	0.80	0.79	0.76	0.70	0.63		0.35	0.20	0.11	0.18	0.21			
	0.6	A13	s36	D	Residential 10+ dwellings/acre	75	57	91	0.53	0.52	0.51	0.50	0.47	0.44		0.20	0.20	0.04	0.06	0.07			
	0.1	A14	s36	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01			
	7.9	A14	s36	D	Residential 10+ dwellings/acre	75	57	91	6.93	6.86	6.77	6.60	6.25	5.83		0.20	0.20	0.47	0.79	0.95			
	4.1	A14	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.25	3.20	3.12	2.99	2.73	2.44		0.40	0.20	0.49	0.82	0.98			
	2.2	A14	s36	D	Apartments	75	57	91	1.93	1.91	1.88	1.84	1.74	1.62		0.20	0.20	0.13	0.22	0.26			
	0.2	A15	s36	B	Condominiums	56	36	76	0.14	0.14	0.14	0.13	0.12	0.11		0.35	0.30	0.02	0.04	0.04			
	4.5	A15	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.57	3.51	3.43	3.28	3.00	2.68		0.40	0.20	0.54	0.90	1.08			
	0.7	A15	s36	D	Apartments	75	57	91	0.61	0.61	0.60	0.58	0.55	0.52		0.20	0.20	0.04	0.07	0.08			
	0.4	A15	s36	D	Commercial, Industrial	75	57	91	0.37	0.37	0.36	0.36	0.34	0.32		0.10	0.20	0.01	0.02	0.02			
	3.5	A15	s36	D	Condominiums	75	57	91	2.85	2.81	2.75	2.65	2.44	2.21		0.35	0.20	0.37	0.61	0.74			
	2.9	A16	s36	B	Residential 8-10 dwellings/acre	56	36	76	1.98	1.94	1.88	1.80	1.66	1.54		0.40	0.30	0.35	0.58	0.70			
	1.4	A16	s36	B	Condominiums	56	36	76	1.00	0.99	0.96	0.92	0.86	0.80		0.35	0.30	0.15	0.25	0.29			
	4	A16	s36	D	Residential 8-10 dwellings/acre	75	57	91	3.18	3.12	3.05	2.92	2.67	2.38		0.40	0.20	0.48	0.80	0.96			
	0.2	A16	s36	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.18	0.17	0.16		0.10	0.20	0.01	0.01	0.01			
	2.7	A16	s36	D	Condominiums	75	57	91	2.20	2.17	2.12	2.04	1.88	1.70		0.35	0.20	0.28	0.47	0.57			
	0.2	A16	s36	D	Open Brush, Fair	83	67	96	0.14	0.13	0.13	0.06	0.03	0.01		1.00	0.20	0.06	0.10	0.12			
	1	A17	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.68	0.67	0.65	0.62	0.57	0.53		0.40	0.30	0.12	0.20	0.24			
	7.5	A17	s36	D	Residential 8-10 dwellings/acre	75	57	91	5.95	5.86	5.72	5.47	5.00	4.46		0.40	0.20	0.90	1.50	1.80			
	0.1	A17	s36	D	Open Brush, Fair	83	67	96	0.07	0.07	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	4.3	A18	s36	B	Residential 10+ dwellings/acre	56	36	76	3.53	3.49	3.44	3.36	3.20	3.03		0.20	0.30	0.26	0.43	0.52			
	0.7	A18	s36	B	Residential 8-10 dwellings/acre	56	36	76	0.48	0.47	0.45	0.43	0.40	0.37		0.40	0.30	0.08	0.14	0.17			
	0.9	A18	s36	B	Commercial, Industrial	56	36	76	0.80	0.80	0.79	0.77	0.75	0.71		0.10	0.30	0.03	0.05	0.05			
	0.6	A18	s36	B	Condominiums	56	36	76	0.43	0.42	0.41	0.40	0.37	0.34		0.35	0.30	0.06	0.11	0.13			
	0.4	A18	s36	D	Residential 10+ dwellings/acre	75	57	91	0.35	0.35	0.34	0.33	0.32	0.29		0.20	0.20	0.02	0.04	0.05			
	0.2	A18	s36	D	Residential 8-10 dwellings/acre	75	57	91	0.16	0.16	0.15	0.15	0.13	0.12		0.40	0.20	0.02	0.04	0.05			
	0.1	A18	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	0.1	A18	s36	D	Condominiums	75	57	91	0.08	0.08	0.08	0.08	0.07	0.06		0.35	0.20	0.01	0.02	0.02			
	0.7	A19	s36	B	Residential 10+ dwellings/acre	56	36	76	0.57	0.57	0.56	0.55	0.52	0.49		0.20	0.30	0.04	0.07	0.08			
	5.1	A19	s36	B	Residential 8-10 dwellings/acre	56	36	76	3.47	3.41	3.31	3.16	2.92	2.70		0.40	0.30	0.61	1.02	1.22			
	0.3	A19	s36	B	Commercial, Industrial	56	36	76	0.27	0.27	0.26	0.26	0.25	0.24		0.10	0.30	0.01	0.02	0.02			
	0.1	A19	s36	B	Public Park	56	36	76	0.04	0.03	0.03	0.03	0.02	0.01		0.85	0.30	0.03	0.04	0.05			
	0.8	A19	s36	D	Residential 10+ dwellings/acre	75	57	91	0.70	0.69	0.69	0.67	0.63	0.59		0.20	0.20	0.05	0.08	0.10			
	0.8	A19	s36	D	Residential 5-7 dwellings/acre	75	57	91	0.60	0.59	0.57	0.54	0.48	0.42		0.50	0.20	0.12	0.20	0.24			
	3.1	A19	s36	D	Residential 8-10 dwellings/acre	75	57	91	2.46	2.42	2.36	2.26	2.07	1.85		0.40	0.20	0.37	0.62	0.74			
	0.3	A19	s36	D	Commercial, Industrial	75	57	91	0.28	0.27	0.27	0.27	0.26	0.24		0.10	0.20	0.01	0.02	0.02			
	1.5	A19	s36	D	Public Park	75	57	91	0.91	0.87	0.82	0.74	0.58	0.41		0.85	0.20	0.38	0.64	0.77			
	2.3	A2	s36	D	Apartments	75	57	91	2.02	2.00	1.97	1.92	1.82	1.70		0.20	0.20	0.14	0.23	0.28			
	1	A2	s36	D	Commercial, Industrial	75	57	91	0.92	0.91	0.90	0.89	0.85	0.81		0.10	0.20	0.03	0.05	0.06			
	2.6	A3	s36	D	Residential 10+ dwellings/acre	75	57	91	2.28	2.26	2.23	2.17	2.06	1.92		0.20	0.20	0.16	0.26	0.31			
	1.2	A4	s36	D	Residential 10+ dwellings/acre	75	57	91	1.05	1.04	1.03	1.00	0.95	0.88		0.20	0.20	0.07	0.12	0.14			
	0.1	A4	s36	D	Apartments	75	57	91	0.09	0.09	0.09	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	2.4	A4	s36	D	Commercial, Industrial	75	57	91	2.20	2.19	2.17	2.13	2.05	1.94		0.10	0.20	0.07	0.12	0.14			
	4.4	A5	s36	D	Apartments	75	57	91	3.86	3.82	3.77	3.67	3.48	3.24		0.20	0.20	0.26	0.44	0.53			
	18.2	A5	s36	D	Commercial, Industrial	75	57	91	16.72	16.61	16.45	16.16	15.54	14.71		0.10	0.20	0.55	0.91	1.09			
	6.2	A6	s36	D	Apartments	75	57	91	5.44	5.39	5.31	5.18	4.91	4.57		0.20	0.20	0.37	0.62	0.74			
	0.1	A6	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	15.3	A7	s36	D	Commercial, Industrial	75	57	91	14.05	13.96	13.83	13.58	13.07	12.37		0.10	0.20	0.46	0.77	0.92			
	0.7	A7	s36	D	Public Park	75	57	91	0.42	0.41	0.38	0.34	0.27	0.19		0.85	0.20	0.18	0.30	0.36			
	2.1	A8	s36	B	Public Park	56	36	76	0.77	0.72	0.65	0.55	0.39	0.29		0.85	0.30	0.54	0.89	1.07			
	0.3	A8	s36	D	Residential 5-7 dwellings/acre	75	57	91	0.23	0.22	0.21	0.20	0.18	0.16		0.50	0.20	0.05	0.08	0.09			
	0.5	A8	s36	D																			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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	100								
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III				AMC 1/AMCII											
	0.1	BASIN-2	s36	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.09	0.08		0.10	0.20	0.00	0.01	0.01			
	2.8	BASIN-3	s36	B	Commercial, Industrial	56	36	76	2.49	2.48	2.45	2.41	2.33	2.22		0.10	0.30	0.08	0.14	0.17			
	0.6	BASIN-3	s36	D	Commercial, Industrial	75	57	91	0.55	0.55	0.54	0.53	0.51	0.49		0.10	0.20	0.02	0.03	0.04			
	1.5	OFF-1	s36	D	Open Brush, Fair	83	67	96	1.02	0.99	0.94	0.43	0.26	0.11		1.00	0.20	0.45	0.75	0.90			
	2.8	OFF-2	s36	D	Open Brush, Fair	83	67	96	1.90	1.84	1.75	0.80	0.48	0.20		1.00	0.20	0.84	1.40	1.68			
	3.3	OFF-3	s36	D	Open Brush, Fair	83	67	96	2.24	2.17	2.06	0.94	0.57	0.24		1.00	0.20	0.99	1.65	1.98			
	2.3	OFF-4	s36	D	Open Brush, Fair	83	67	96	1.56	1.51	1.44	0.66	0.40	0.17		1.00	0.20	0.69	1.15	1.38			
	3.7	OFF-5	s36	D	Open Brush, Fair	83	67	96	2.52	2.43	2.31	1.05	0.64	0.27		1.00	0.20	1.11	1.85	2.22			
	8.3	OFF-6	s36	D	Open Brush, Fair	83	67	96	5.64	5.46	5.19	2.37	1.44	0.60		1.00	0.20	2.49	4.15	4.98			
	0.6	OFF-7	s36	B	Open Brush, Fair	66	46	84	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.3	OFF-7	s36	D	Residential 8-10 dwellings/acre	75	57	91	0.24	0.23	0.23	0.22	0.20	0.18		0.40	0.20	0.04	0.06	0.07			
	13.2	OFF-7	s36	D	Open Brush, Fair	83	67	96	8.97	8.68	8.26	3.76	2.28	0.96		1.00	0.20	3.96	6.60	7.92			
	8.10		S37	A	Commercial, Industrial	32	17	52	7.02	6.98	6.94	6.86	6.68	6.41		0.10	0.40	0.24	0.41	0.49			
	50.70		S37	B	Commercial, Industrial	56	36	76	45.14	44.83	44.40	43.63	42.10	40.15		0.10	0.30	1.52	2.54	3.04			
	5.70		S37	C	Commercial, Industrial	69	50	86	5.18	5.15	5.10	5.00	4.81	4.56		0.10	0.25	0.17	0.29	0.34			
	43.50		S37	D	Commercial, Industrial	75	57	91	39.95	39.69	39.31	38.62	37.15	35.16		0.10	0.20	1.31	2.18	2.61			
	16.60		S37	B	Residential 8-10 dwellings/acre	56	36	76	11.31	11.09	10.79	10.30	9.50	8.80		0.40	0.30	1.99	3.32	3.98			
	6.90		S37	D	Residential 8-10 dwellings/acre	75	57	91	5.48	5.39	5.26	5.03	4.60	4.11		0.40	0.20	0.83	1.38	1.66			
	5.40		S37	A	Residential 5-7 dwellings/acre	32	17	52	2.65	2.61	2.58	2.54	2.47	2.37		0.50	0.40	0.81	1.35	1.62			
	20.10		S37	B	Residential 5-7 dwellings/acre	56	36	76	12.29	11.98	11.55	10.86	9.78	8.89		0.50	0.30	3.02	5.03	6.03			
	104.50		S37	D	Residential 5-7 dwellings/acre	75	57	91	78.61	77.00	74.70	70.70	63.17	54.79		0.50	0.20	15.68	26.13	31.35			
	19.00		S37	B	Residential 3-4 dwellings/acre	56	36	76	10.30	9.95	9.48	8.74	7.61	6.75		0.60	0.30	3.42	5.70	6.84			
	0.40		S37	C	Residential 3-4 dwellings/acre	69	50	86	0.26	0.25	0.24	0.23	0.19	0.16		0.60	0.25	0.07	0.12	0.14			
	21.40		S37	D	Residential 3-4 dwellings/acre	75	57	91	15.21	14.83	14.29	13.35	11.60	9.70		0.60	0.20	3.85	6.42	7.70			
	88.60		S37	D	Residential 1 acre lots	75	57	91	55.60	53.61	50.78	45.90	36.98	27.57		0.80	0.20	21.26	35.44	42.53			
	39.90		S37	A	Public Park	32	17	52	6.46	6.12	5.80	5.63	5.48	5.26		0.85	0.40	10.17	16.96	20.35			
	42.60		S37	B	Public Park	56	36	76	15.67	14.63	13.24	11.08	7.90	5.82		0.85	0.30	10.86	18.11	21.73			
	7.60		S37	C	Public Park	69	50	86	4.00	3.81	3.54	3.09	2.32	1.59		0.85	0.25	1.94	3.23	3.88			
	137.80		S37	D	Public Park	75	57	91	83.61	80.35	75.73	67.75	53.21	37.99		0.85	0.20	35.14	58.57	70.28			
	6.50		S37	B	Grass, Annual or Perennial, Fair	69	50	86	2.92	2.73	2.47	0.51	0.12	0.00		1.00	0.30	1.95	3.25	3.90			
	173.80		S37	D	Grass, Annual or Perennial, Fair	84	69	96	121.21	117.50	112.10	53.23	33.36	15.10		1.00	0.20	52.14	86.90	104.28			
	2.40		S37	A	Open Brush, Fair	46	28	66	0.34	0.29	0.22	0.00	0.00	0.00		1.00	0.40	0.72	1.20	1.44			
	0.60		S37	B	Open Brush, Fair	66	46	84	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	57.20		S37	C	Open Brush, Fair	77	59	92	33.03	31.52	29.39	10.26	4.89	1.02		1.00	0.25	17.16	28.60	34.32			
	78.50		S37	D	Open Brush, Fair	83	67	96	53.37	51.62	49.09	22.38	13.58	5.72		1.00	0.20	23.55	39.25	47.10			
	13.90		S37	A	Woodland, Grass, Fair	44	26	64	1.68	1.38	1.00	0.00	0.00	0.00		1.00	0.40	4.17	6.95	8.34			
	2.40		S37	B	Woodland, Grass, Fair	65	45	83	0.93	0.86	0.77	0.10	0.01	0.00		1.00	0.30	0.72	1.20	1.44			
	9.20		S37	C	Woodland, Grass, Fair	77	59	92	5.31	5.07	4.73	1.65	0.79	0.16		1.00	0.25	2.76	4.60	5.52			
	49.30		S37	D	Woodland, Grass, Fair	82	66	95	32.66	31.52	29.88	13.04	7.64	2.96		1.00	0.20	14.79	24.65	29.58			
	2.90		S37	B	Fallow	86	72	97	2.13	2.07	1.99	1.03	0.68	0.35		1.00	0.30	0.87	1.45	1.74			
	35.20		S37	D	Fallow	94	85	99	31.04	30.69	30.17	21.66	17.89	13.32		1.00	0.20	10.56	17.60	21.12			
	0.30		S37	B	Orchards, Evergreen, Fair	65	45	83	0.12	0.11	0.10	0.01	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	0.30		S37	C	Orchards, Evergreen, Fair	77	59	92	0.17	0.17	0.15	0.05	0.03	0.01		1.00	0.25	0.09	0.15	0.18			
	0.40		S37	D	Orchards, Evergreen, Fair	82	66	95	0.26	0.26	0.24	0.11	0.06	0.02		1.00	0.20	0.12	0.20	0.24			
	1.30		S37	A	Row Crops, Good	67	47	85	0.54	0.51	0.45	0.08	0.01	0.00		1.00	0.40	0.39	0.65	0.78			
	8.70		S37	B	Row Crops, Good	78	61	93	5.17	4.94	4.63	1.69	0.84	0.21		1.00	0.30	2.61	4.35	5.22			
	3.00		S37	D	Row Crops, Good	89	76	98	2.36	2.31	2.24	1.31	0.95	0.57		1.00	0.20	0.90	1.50	1.80			
	11.10		S37	A	Residential 8-10 dwellings/acre	32	17	52	6.49	6.42	6.35	6.26	6.10	5.86		0.40	0.40	1.33	2.22	2.66			
	0.20		S37	C	Residential 5-7 dwellings/acre	69	50	86	0.14	0.14	0.13	0.13	0.11	0.10		0.50	0.25	0.03	0.05	0.06			
	1.90		S37	A	Grass, Annual or Perennial, Fair	50	31	70	0.36	0.31	0.25	0.00	0.00	0.00		1.00	0.40	0.57	0.95	1.14			
	111.80		S37	C	Grass, Annual or Perennial, Fair	79	62	93	68.30	65.50	61.48	23.43	12.21	3.44		1.00	0.25	33.54	55.90	67.08			
	0.70		S37	A	Orchards, Evergreen, Fair	44	26	64	0.08	0.07	0.05	0.00	0.00	0.00		1.00	0.40	0.21	0.35	0.42			
	1.30		S37	A	Chaparral, Broadleaf, Fair	40	23	60	0.11	0.08	0.05	0.00	0.00	0.00		1.00	0.40	0.39	0.65	0.78			
	1.15		S38	A	Chaparral, Broadleaf, Fair	40	23	60	0.09	0.07	0.05	0.00	0.00	0.00		1.00	0.40	0.34	0.57	0.69			
	1.20		S38	B	Chaparral, Broadleaf, Fair	63	43	81	0.43	0.40	0.35	0.04	0.00	0.00		1.00	0.30	0.36	0.60	0.72			
	37.80		S38	C	Chaparral, Broadleaf, Fair	75	57	91	20.58	19.55	18.10	5.71	2.44	0.32		1.00	0.25	11.34	18.90	22.68			
	424.50		S38	D	Chaparral, Broadleaf, Fair	81	64	95	273.83	263.75	249.22	103.85	58.61	20.68		1.00	0.20	127.35	212.25	254.70			
	30.40		S38	A	Commercial, Industrial	32	17	52	26.33	26.20	26.03	25.73	25.07	24.06		0.10	0.40	0.91	1.52	1.82			
	0.00		S38	B	Commercial, Industrial	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00		0.10	0.30	0.00	0.00	0.00			
	0.67		S38	D	Commercial, Industrial	75	57	91	0.62	0.61	0.61	0.60	0.57	0.54		0.10	0.20	0.02	0.03	0.04			
	10.89		S38	B	Fallow	86	72	97	7.98	7.77	7.46	3.86	2.57	1.32		1.00	0.30	3.27	5.45	6.53			
	99.47		S38	D	Fallow	94	85	99	87.72	86.74	85.26	61.21	50.55	37.65		1.00	0.20	29.84	49.73	59.68			
	13.10		S38	A	Grass, Annual or Perennial, Fair	50	31	70	2.46	2.13	1.69	0.00	0.00	0.00		0							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 14010 (Node 139)

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			P ₂₄ (Inches)					HC									
									100	50	25	10	5		2	100							
						II	I	III	AMC 1/AMCII					5,63									
						> 5	5	2	All		HC												

	3.37		S38	A	Public Park	32	17	52	0.55	0.52	0.49	0.47	0.46	0.44		0.85	0.40	0.86	1.43	1.72	
	10.87		S38	B	Public Park	56	36	76	4.00	3.73	3.38	2.83	2.02	1.48		0.85	0.30	2.77	4.62	5.54	
	41.60		S38	D	Public Park	75	57	91	25.24	24.26	22.86	20.45	16.06	11.47		0.85	0.20	10.61	17.68	21.21	
	9.70		S38	B	Residential 1 acre lots	56	36	76	3.91	3.68	3.38	2.91	2.22	1.75		0.80	0.30	2.33	3.88	4.66	
	1.40		S38	C	Residential 1 acre lots	69	50	86	0.77	0.74	0.69	0.61	0.48	0.35		0.80	0.25	0.34	0.56	0.67	
	131.37		S38	D	Residential 1 acre lots	75	57	91	82.44	79.49	75.30	68.06	54.83	40.88		0.80	0.20	31.53	52.55	63.06	
	3.00		S38	A	Residential 2 dwellings/acre	32	17	52	0.91	0.89	0.86	0.85	0.82	0.79		0.70	0.40	0.63	1.05	1.26	
	22.15		S38	B	Residential 2 dwellings/acre	56	36	76	10.46	10.00	9.39	8.42	6.97	5.93		0.70	0.30	4.65	7.75	9.30	
	19.37		S38	D	Residential 2 dwellings/acre	75	57	91	12.96	12.57	12.02	11.06	9.29	7.40		0.70	0.20	4.07	6.78	8.14	
	2.75		S38	B	Residential 2.5 acre lots	56	36	76	0.92	0.84	0.75	0.60	0.39	0.26		0.90	0.30	0.74	1.24	1.48	
	20.34		S38	D	Residential 2.5 acre lots	75	57	91	11.92	11.41	10.70	9.46	7.22	4.88		0.90	0.20	5.49	9.15	10.98	
	6.47		S38	A	Residential 3-4 dwellings/acre	32	17	52	2.57	2.52	2.47	2.43	2.37	2.28		0.60	0.40	1.16	1.94	2.33	
	98.16		S38	B	Residential 3-4 dwellings/acre	56	36	76	53.20	51.41	48.99	45.17	39.32	34.85		0.60	0.30	17.67	29.45	35.34	
	53.27		S38	D	Residential 3-4 dwellings/acre	75	57	91	37.86	36.91	35.57	33.23	28.88	24.14		0.60	0.20	9.59	15.98	19.18	
	0.02		S38	C	Row Crops, Good	85	70	97	0.01	0.01	0.01	0.01	0.00	0.00		1.00	0.25	0.01	0.01	0.01	
	11.30		S38	D	Row Crops, Good	89	76	98	8.90	8.72	8.44	4.95	3.59	2.16		1.00	0.20	3.39	5.65	6.78	
	2.01		S38	A	Woodland, Grass, Fair	44	26	64	0.24	0.20	0.14	0.00	0.00	0.00		1.00	0.40	0.60	1.00	1.21	
	1.92		S38	C	Woodland, Grass, Fair	77	59	92	1.11	1.06	0.99	0.34	0.16	0.03		1.00	0.25	0.58	0.96	1.15	
	4.99		S38	D	Woodland, Grass, Fair	82	66	95	3.31	3.19	3.02	1.32	0.77	0.30		1.00	0.20	1.50	2.50	2.99	
	15.43		S39	A	Commercial, Industrial	32	17	52	13.37	13.30	13.22	13.06	12.73	12.22		0.10	0.40	0.46	0.77	0.93	
	1.33		S39	B	Commercial, Industrial	56	36	76	1.18	1.17	1.16	1.14	1.10	1.05		0.10	0.30	0.04	0.07	0.08	
	1.10		S39	A	Condominiums	32	17	52	0.69	0.69	0.68	0.67	0.66	0.63		0.35	0.40	0.12	0.19	0.23	
	25.76		S39	B	Condominiums	56	36	76	18.45	18.14	17.71	17.01	15.86	14.78		0.35	0.30	2.71	4.51	5.41	
	0.00		S39	D	Condominiums	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.20	0.00	0.00	0.00	
	3.90		S39	B	Fallow	86	72	97	2.86	2.78	2.67	1.38	0.92	0.47		1.00	0.30	1.17	1.95	2.34	
	60.25		S39	D	Fallow	94	85	99	53.13	52.53	51.64	37.07	30.62	22.80		1.00	0.20	18.07	30.12	36.15	
	23.82		S39	A	Open Brush, Fair	46	28	66	3.39	2.83	2.14	0.00	0.00	0.00		1.00	0.40	7.15	11.91	14.29	
	10.31		S39	D	Orchards, Evergreen, Fair	82	66	95	6.83	6.59	6.25	2.73	1.60	0.62		1.00	0.20	3.09	5.16	6.19	
	12.53		S39	A	Public Park	32	17	52	2.03	1.92	1.82	1.77	1.72	1.65		0.85	0.40	3.20	5.33	6.39	
	9.93		S39	B	Public Park	56	36	76	3.65	3.41	3.09	2.58	1.84	1.36		0.85	0.30	2.53	4.22	5.06	
	1.82		S39	D	Public Park	75	57	91	1.10	1.06	1.00	0.89	0.70	0.50		0.85	0.20	0.46	0.77	0.93	
	43.20		S39	D	Residential 1 acre lots	75	57	91	27.11	26.14	24.76	22.38	18.03	13.44		0.80	0.20	10.37	17.28	20.74	
	0.10		S39	A	Residential 2 dwellings/acre	32	17	52	0.03	0.03	0.03	0.03	0.03	0.03		0.70	0.40	0.02	0.04	0.04	
	1.03		S39	B	Residential 2 dwellings/acre	56	36	76	0.49	0.47	0.44	0.39	0.32	0.28		0.70	0.30	0.22	0.36	0.43	
	10.60		S39	D	Residential 2 dwellings/acre	75	57	91	7.09	6.88	6.58	6.05	5.09	4.05		0.70	0.20	2.23	3.71	4.45	
	2.43		S39	B	Residential 2.5 acre lots	56	36	76	0.81	0.75	0.66	0.53	0.35	0.23		0.90	0.30	0.66	1.09	1.31	
	17.32		S39	D	Residential 2.5 acre lots	75	57	91	10.15	9.72	9.11	8.06	6.15	4.16		0.90	0.20	4.68	7.79	9.35	
	4.10		S39	A	Residential 3-4 dwellings/acre	32	17	52	1.63	1.60	1.57	1.54	1.50	1.44		0.60	0.40	0.74	1.23	1.48	
	66.04		S39	B	Residential 3-4 dwellings/acre	56	36	76	35.80	34.59	32.96	30.39	26.45	23.45		0.60	0.30	11.89	19.81	23.78	
	24.80		S39	D	Residential 3-4 dwellings/acre	75	57	91	17.62	17.18	16.56	15.47	13.44	11.24		0.60	0.20	4.46	7.44	8.93	
	0.25		S39	A	Residential 5-7 dwellings/acre	32	17	52	0.12	0.12	0.12	0.12	0.12	0.11		0.50	0.40	0.04	0.06	0.08	
	8.3		S39	B	Residential 5-7 dwellings/acre	56	36	76	5.10	4.97	4.79	4.51	4.06	3.69		0.50	0.30	1.25	2.09	2.50	
	38.83		S39	D	Residential 5-7 dwellings/acre	75	57	91	29.21	28.61	27.76	26.27	23.47	20.36		0.50	0.20	5.82	9.71	11.65	
	10.6		S39	B	Residential 8-10 dwellings/acre	56	36	76	7.25	7.11	6.91	6.60	6.09	5.64		0.40	0.30	1.28	2.13	2.55	
	15.4		S39	D	Residential 8-10 dwellings/acre	75	57	91	12.26	12.05	11.77	11.26	10.30	9.19		0.40	0.20	1.85	3.09	3.71	
	2.40		S39	D	Row Crops, Poor	91	80	98	1.98	1.95	1.90	1.21	0.92	0.61		1.00	0.20	0.72	1.20	1.44	
	10.25		S39	A	School	32	17	52	4.07	4.00	3.92	3.86	3.76	3.61		0.60	0.40	1.85	3.08	3.69	
	3.40		S39	B	School	56	36	76	1.84	1.78	1.70	1.57	1.36	1.21		0.60	0.30	0.61	1.02	1.23	
	2.60		S39	A	Woodland, Grass, Fair	44	26	64	0.31	0.26	0.19	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56	
	0.20		S39	B	Woodland, Grass, Fair	65	45	83	0.08	0.07	0.07	0.01	0.00	0.00		1.00	0.30	0.06	0.10	0.12	
	69530.5				Low Loss Fraction (1-Y) =				0.394	0.417	0.450	0.730	0.822	0.898	1.000	F _m =		0.282	0.470	0.564	0.000

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13200 to 13222 (Node 132t)

Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area								A _b	F _p	Maximum Loss Rate (F _m) x Area				
								Storm Event (Year)										HC				
								EV														
								100	50	25	10	5	2	100								
						AMC				P ₂₄ (Inches)								5.63				
						II	I	III	AMC I/AMCII													
	1.50		S32	C	Barren	91	80	98	1.17	1.14	1.11	0.82	0.44	0.26	1.00	0.25	0.45	0.75	0.90			
	0.60		S32	C	Chaparral, Broadleaf, Fair	75	57	91	0.27	0.26	0.23	0.05	0.01	0.00	1.00	0.25	0.18	0.30	0.36			
	10.15		S32	B	Commercial, Industrial	56	36	76	8.84	8.77	8.68	8.51	8.18	7.74	0.10	0.30	0.30	0.51	0.61			
	0.33		S32	C	Commercial, Industrial	69	50	86	0.30	0.29	0.29	0.28	0.27	0.26	0.10	0.25	0.01	0.02	0.02			
	4.83		S32	D	Commercial, Industrial	75	57	91	4.34	4.30	4.26	4.17	3.98	3.73	0.10	0.20	0.14	0.02	0.29			
	8.06		S32	B	Condominiums	56	36	76	5.46	5.36	5.24	5.05	4.72	4.44	0.35	0.30	0.85	1.41	1.69			
	7.30		S32	C	Condominiums	69	50	86	5.40	5.31	5.18	4.96	4.55	4.12	0.35	0.25	0.77	1.28	1.53			
	0.87		S32	A	Fallow	77	59	92	0.43	0.40	0.37	0.09	0.03	0.00	1.00	0.40	0.26	0.44	0.52			
	1.13		S32	B	Fallow	86	72	97	0.75	0.73	0.69	0.30	0.18	0.07	1.00	0.30	0.34	0.56	0.68			
	3.76		S32	C	Fallow	91	80	98	2.92	2.86	2.77	1.56	1.11	0.65	1.00	0.25	1.13	1.88	2.26			
	2.57		S32	D	Fallow	94	85	99	2.18	2.15	2.10	1.38	1.08	0.75	1.00	0.20	0.77	1.28	1.54			
	0.13		S32	A	Grass, Annual or Perennial, Fair	50	31	70	0.01	0.01	0.01	0.00	0.00	0.00	1.00	0.40	0.04	0.07	0.08			
	75.47		S32	B	Grass, Annual or Perennial, Fair	69	50	86	26.82	24.64	21.81	2.31	0.04	0.00	1.00	0.30	22.64	37.74	45.28			
	143.59		S32	C	Grass, Annual or Perennial, Fair	79	62	93	75.73	71.84	66.61	19.12	7.50	0.62	1.00	0.25	43.08	71.79	86.15			
	7.85		S32	D	Grass, Annual or Perennial, Fair	84	69	96	4.91	4.72	4.46	1.73	0.93	0.29	1.00	0.20	2.36	3.93	4.71			
	25.40		S32	B	Open Brush, Fair	66	46	84	7.86	7.14	6.21	0.33	0.00	0.00	1.00	0.30	7.62	12.70	15.24			
	310.79		S32	C	Open Brush, Fair	77	59	92	152.45	143.79	132.22	33.38	10.98	0.15	1.00	0.25	93.24	155.39	186.47			
	7.06		S32	D	Open Brush, Fair	83	67	96	4.27	4.09	3.86	1.42	0.72	0.19	1.00	0.20	2.12	3.53	4.23			
	19.85		S32	B	Public Park	56	36	76	5.79	5.36	4.83	4.02	2.95	2.52	0.85	0.30	5.06	8.44	10.13			
	5.35		S32	C	Public Park	69	50	86	2.38	2.24	2.07	1.77	1.28	0.86	0.85	0.25	1.37	2.28	2.73			
	5.96		S32	D	Public Park	75	57	91	3.15	3.01	2.81	2.47	1.85	1.27	0.85	0.20	1.52	2.53	3.04			
	30.31		S32	C	Residential 2 dwellings/acre	69	50	86	16.16	15.50	14.65	13.20	10.74	8.55	0.70	0.25	6.37	10.61	12.73			
	1.81		S32	D	Residential 2 dwellings/acre	75	57	91	1.09	1.05	1.00	0.91	0.75	0.59	0.70	0.20	0.38	0.63	0.76			
	0.30		S32	A	Residential 3-4 dwellings/acre	32	17	52	0.12	0.11	0.11	0.11	0.11	0.10	0.60	0.40	0.05	0.09	0.11			
	71.64		S32	B	Residential 3-4 dwellings/acre	56	36	76	34.72	33.53	32.05	29.70	26.32	24.29	0.60	0.30	12.90	21.49	25.79			
	97.27		S32	C	Residential 3-4 dwellings/acre	69	50	86	57.60	55.74	53.30	49.14	41.94	35.30	0.60	0.25	17.51	29.18	35.02			
	10.38		S32	D	Residential 3-4 dwellings/acre	75	57	91	6.76	6.57	6.31	5.85	5.00	4.14	0.60	0.20	1.87	3.11	3.74			
	1.16		S32	A	Residential 5-7 dwellings/acre	32	17	52	0.55	0.55	0.55	0.54	0.52	0.49	0.50	0.40	0.17	0.29	0.35			
	61.61		S32	B	Residential 5-7 dwellings/acre	56	36	76	34.61	33.72	32.58	30.77	28.04	26.11	0.50	0.30	9.24	15.40	18.48			
	77.55		S32	C	Residential 5-7 dwellings/acre	69	50	86	50.52	49.22	47.52	44.59	39.41	34.41	0.50	0.25	11.63	19.39	23.27			
	18.29		S32	D	Residential 5-7 dwellings/acre	75	57	91	12.82	12.52	12.12	11.40	10.07	8.67	0.50	0.20	7.74	4.57	5.49			
	0.49		S32	A	Row Crops, Poor	72	53	89	0.20	0.18	0.16	0.03	0.00	0.00	1.00	0.40	0.15	0.24	0.29			
	0.02		S32	B	Row Crops, Poor	81	64	95	0.01	0.01	0.01	0.00	0.00	0.00	1.00	0.30	0.00	0.01	0.01			
	2.86		S32	C	Row Crops, Poor	88	75	98	2.03	1.97	1.89	0.91	0.59	0.28	1.00	0.25	0.86	1.43	1.71			
	2.20		S32	D	Row Crops, Poor	91	80	98	1.71	1.67	1.62	0.91	0.65	0.38	1.00	0.20	0.66	1.10	1.32			
	3.35		S32	B	School	56	36	76	1.62	1.57	1.50	1.39	1.23	1.14	0.60	0.30	0.60	1.01	1.21			
	4.81		S32	C	School	69	50	86	2.85	2.76	2.64	2.43	2.08	1.75	0.60	0.25	0.87	1.44	1.73			
	5.12		S32	D	School	75	57	91	3.34	3.24	3.11	2.89	2.47	2.04	0.60	0.20	0.92	1.54	1.84			
	3.04		S32	A	Woodland, Grass, Fair	44	26	64	0.17	0.13	0.08	0.00	0.00	0.00	1.00	0.40	0.91	1.52	1.83			
	73.14		S32	B	Woodland, Grass, Fair	65	45	83	21.57	19.51	16.86	0.65	0.00	0.00	1.00	0.30	21.94	36.57	43.88			
	18.26		S32	C	Woodland, Grass, Fair	77	59	92	8.96	8.45	7.77	1.96	0.64	0.01	1.00	0.25	5.48	9.13	10.95			
	1.40		S32	D	Woodland, Grass, Fair	82	66	95	0.82	0.78	0.73	0.25	0.12	0.03	1.00	0.20	0.42	0.70	0.84			
	1127.6				Low Loss Fraction (1-Y) =	0.491	0.515	0.546	0.742	0.804	0.844	1.000			F _m =	0.248	0.414	0.496	0.000			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 810 to 12606 (PA-4 Line E)

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			P ₂₄ (Inches)							HC									
						II	I	III	100	50	25	10	5	2	100										
						AMC 1/AMCII										5.63									
						EV										HC									
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 920 to 12606 (PA-4 Line F)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III	AMC 1/AMCII														

	0.7	F-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.40	0.38	0.35	0.11	0.05	0.01		1.00	0.20	0.21	0.35	0.42
	0.5	F-1	S26.2	D	Open Brush, Fair	83	67	96	0.30	0.29	0.27	0.10	0.05	0.01		1.00	0.20	0.15	0.25	0.30
	0.2	F-2	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12
	5.5	F-2	S26.2	B	Commercial	56	36	76	4.79	4.75	4.70	4.61	4.43	4.20		0.10	0.30	0.17	0.28	0.33
	0.2	F-2	S26.2	B	Open Brush, Fair	66	46	84	0.06	0.06	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12
	0.1	F-2	S26.2	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05
	0.1	F-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06
	1.0	F-2	S26.2	C	Commercial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77		0.10	0.25	0.03	0.05	0.06
	0.2	F-2	S26.2	C	Open Brush, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12
	0.1	F-2	S26.2	C	Residential 2.5 acre lots	69	50	86	0.04	0.04	0.04	0.03	0.02	0.01		0.90	0.25	0.03	0.05	0.05
	3.2	F-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.81	1.73	1.61	0.52	0.24	0.04		1.00	0.20	0.96	1.60	1.92
	3.4	F-2	S26.2	D	Commercial	75	57	91	3.05	3.03	3.00	2.94	2.80	2.63		0.10	0.20	0.10	0.17	0.20
	3.3	F-2	S26.2	D	Open Brush, Fair	83	67	96	2.00	1.91	1.80	0.66	0.34	0.09		1.00	0.20	0.99	1.65	1.98
	0.7	F-2	S26.2	D	Residential 2.5 acre lots	75	57	91	0.35	0.33	0.31	0.27	0.19	0.12		0.90	0.20	0.19	0.32	0.38
	0.5	F-3	S26.2	C	Residential 2.5 acre lots	69	50	86	0.21	0.19	0.18	0.15	0.10	0.06		0.90	0.25	0.14	0.23	0.27
	2.1	F-3	S26.2	B	Residential 2.5 acre lots	56	36	76	0.53	0.48	0.43	0.34	0.22	0.18		0.90	0.30	0.57	0.95	1.13
	3.0	F-3	S26.2	D	Residential 2.5 acre lots	75	57	91	1.51	1.43	1.33	1.15	0.83	0.53		0.90	0.20	0.81	1.35	1.62
	5.9	F-3	S26.2	D	Commercial	75	57	91	5.30	5.26	5.20	5.09	4.87	4.56		0.10	0.20	0.18	0.30	0.35
	7.7	F-3	S26.2	C	Commercial	69	50	86	6.84	6.79	6.71	6.57	6.28	5.91		0.10	0.25	0.23	0.39	0.46
	13.6	F-3	S26.2	B	Commercial	56	36	76	11.84	11.75	11.63	11.41	10.95	10.38		0.10	0.30	0.41	0.68	0.82
	3.8	F-4	S26.2	B	Commercial	56	36	76	3.31	3.28	3.25	3.19	3.06	2.90		0.10	0.30	0.11	0.19	0.23
	0.6	F-4	S26.2	C	Commercial	69	50	86	0.53	0.53	0.52	0.51	0.49	0.46		0.10	0.25	0.02	0.03	0.04
	0.1	F-4	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06
	2.4	F-4	S26.2	B	Residential 2.5 acre lots	56	36	76	0.61	0.55	0.49	0.38	0.25	0.20		0.90	0.30	0.65	1.08	1.30
	2.2	F-4	S26.2	C	Residential 2.5 acre lots	69	50	86	0.91	0.85	0.78	0.65	0.44	0.27		0.90	0.25	0.59	0.99	1.19
	0.3	F-4	S26.2	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16
	12.3	F-5	S26.2	A	Commercial	32	17	52	10.49	10.44	10.37	10.22	9.89	9.39		0.10	0.40	0.37	0.62	0.74
	26.8	F-5	S26.2	B	Commercial	56	36	76	23.32	23.15	22.91	22.48	21.59	20.45		0.10	0.30	0.80	1.34	1.61
	2.0	F-5	S26.2	C	Commercial	69	50	86	1.78	1.76	1.74	1.71	1.63	1.53		0.10	0.25	0.06	0.10	0.12
	2.7	F-5	S26.2	A	Residential 2.5 acre lots	32	17	52	0.26	0.26	0.26	0.25	0.24	0.23		0.90	0.40	0.73	1.22	1.46
	0.8	F-5	S26.2	B	Residential 2.5 acre lots	56	36	76	0.20	0.18	0.16	0.13	0.08	0.07		0.90	0.30	0.22	0.36	0.43
	2.1	F-5	S26.2	C	Residential 2.5 acre lots	69	50	86	0.87	0.82	0.74	0.62	0.42	0.25		0.90	0.25	0.57	0.95	1.13
	8.0	F-5	S26.2	A	Water	98	95	100	7.58	7.54	7.49	7.39	7.14	6.78		0.00	0.40	0.00	0.00	0.00
	0.1	OF-1	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06
	0.5	OF-1	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30
	1.0	OF-1	S26.2	D	Open Brush, Fair	83	67	96	0.61	0.58	0.55	0.20	0.10	0.03		1.00	0.20	0.30	0.50	0.60
	0.6	OF-10	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.27	0.26	0.23	0.05	0.01	0.00		1.00	0.25	0.18	0.30	0.36
	0.1	OF-11	S26.2	C	Residential 2.5 acre lots	69	50	86	0.04	0.04	0.04	0.03	0.02	0.01		0.90	0.25	0.03	0.05	0.05
	0.4	OF-11	S26.2	C	Commercial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31		0.10	0.25	0.01	0.02	0.02
	0.3	OF-11	S26.2	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18
	4.3	OF-11	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.96	1.83	1.67	0.36	0.09	0.00		1.00	0.25	1.29	2.15	2.58
	0.1	OF-13	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06
	1.1	OF-13	S26.2	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66
	0.1	OF-14	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06
	0.8	OF-14	S26.2	B	Woodland, Grass, Fair	65	45	83	0.24	0.21	0.18	0.01	0.00	0.00		1.00	0.30	0.24	0.40	0.48
	1.1	OF-14	S26.2	B	Open Brush, Fair	66	46	84	0.34	0.31	0.27	0.01	0.00	0.00		1.00	0.30	0.33	0.55	0.66
	1.5	OF-14	S26.2	C	Woodland, Grass, Fair	77	59	92	0.74	0.69	0.64	0.16	0.05	0.00		1.00	0.25	0.45	0.75	0.90
	3.6	OF-14	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.64	1.54	1.40	0.30	0.08	0.00		1.00	0.25	1.08	1.80	2.16
	10.2	OF-14	S26.2	C	Open Brush, Fair	77	59	92	5.00	4.72	4.34	1.10	0.36	0.01		1.00	0.25	3.06	5.10	6.12
	0.4	OF-15	S26.2	C	Open Brush, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24
	1.0	OF-15	S26.2	D	Open Brush, Fair	83	67	96	0.61	0.58	0.55	0.20	0.10	0.03		1.00	0.20	0.30	0.50	0.60
	0.1	OF-16	S26.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06
	0.4	OF-16	S26.2	C	Open Brush, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24
	0.6	OF-16	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.32	0.30	0.28	0.08	0.03	0.00		1.00	0.25	0.18	0.30	0.36
	0.7	OF-16	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.44	0.42	0.40	0.15	0.08	0.03		1.00	0.20	0.21	0.35	0.42
	0.6	OF-17	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36
	1.5	OF-17	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.94	0.90	0.85	0.33	0.18	0.06		1.00	0.20	0.45	0.75	0.90
	1.7	OF-17	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.90	0.85	0.79	0.23	0.09	0.01		1.00	0.25	0.51	0.85	1.02
	3.4	OF-17	S26.2	C	Open Brush, Fair	77	59	92	1.67	1.57	1.45	0.37	0.12	0.00		1.00	0.25	1.02	1.70	2.04
	7.2	OF-17	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	3.28	3.07	2.80	0.61	0.16	0.00		1.00	0.25	2.16	3.60	4.32
	0.1	OF-18	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06
	0.1	OF-18	S26.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06
	0.6	OF-18	S26.2	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36
	2.1	OF-18	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.11	1.05	0.97	0.28	0.11	0.01		1.00	0.25	0.63	1.05	1.26
	8.9	OF-1																		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 920 to 12606 (PA-4 Line F)

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	100								
									AMC			P ₂₄ (Inches)											
									II	I	III				AMC 1/AMCII	5.63							
	5.2	OF-19	S26.2	C	Open Brush, Fair	77	59	92	2.55	2.41	2.21	0.56	0.18	0.00		1.00	0.25	1.56	2.60	3.12			
	9.5	OF-19	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	4.32	4.05	3.69	0.80	0.21	0.00		1.00	0.25	2.85	4.75	5.70			
	1.0	OF-2	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.45	0.43	0.39	0.08	0.02	0.00		1.00	0.25	0.30	0.50	0.60			
	0.6	OF-2	S26.2	C	Open Brush, Fair	77	59	92	0.29	0.28	0.26	0.06	0.02	0.00		1.00	0.25	0.18	0.30	0.36			
	2.3	OF-2	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.30	1.24	1.16	0.38	0.17	0.03		1.00	0.20	0.69	1.15	1.38			
	1.0	OF-2	S26.2	D	Open Brush, Fair	83	67	96	0.61	0.58	0.55	0.20	0.10	0.03		1.00	0.20	0.30	0.50	0.60			
	0.2	OF-20	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.5	OF-20	S26.2	B	Woodland, Grass, Fair	65	45	83	0.15	0.13	0.12	0.00	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	1.2	OF-20	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.63	0.60	0.56	0.16	0.06	0.01		1.00	0.25	0.36	0.60	0.72			
	3.6	OF-20	S26.2	C	Woodland, Grass, Fair	77	59	92	1.77	1.67	1.53	0.39	0.13	0.00		1.00	0.25	1.08	1.80	2.16			
	3.8	OF-20	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.35	1.24	1.10	0.12	0.00	0.00		1.00	0.30	1.14	1.90	2.28			
	6.1	OF-20	S26.2	B	Open Brush, Fair	66	46	84	1.89	1.72	1.49	0.08	0.00	0.00		1.00	0.30	1.83	3.05	3.66			
	14.3	OF-20	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	6.51	6.10	5.56	1.20	0.31	0.00		1.00	0.25	4.29	7.15	8.58			
	21.6	OF-20	S26.2	C	Open Brush, Fair	77	59	92	10.60	9.99	9.19	2.32	0.76	0.01		1.00	0.25	6.48	10.80	12.96			
	0.3	OF-21	S26.2	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18			
	0.3	OF-21	S26.2	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18			
	0.6	OF-21	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36			
	2.3	OF-21	S26.2	C	Woodland, Grass, Fair	77	59	92	1.13	1.06	0.98	0.25	0.08	0.00		1.00	0.25	0.69	1.15	1.38			
	3.2	OF-21	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	1.46	1.36	1.24	0.27	0.07	0.00		1.00	0.25	0.96	1.60	1.92			
	0.1	OF-3	S26.2	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	4.6	OF-3	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.09	1.96	1.79	0.39	0.10	0.00		1.00	0.25	1.38	2.30	2.76			
	4.0	OF-3	S26.2	C	Open Brush, Fair	77	59	92	1.96	1.85	1.70	0.43	0.14	0.00		1.00	0.25	1.20	2.00	2.40			
	0.6	OF-3	S26.2	C	Woodland, Grass, Fair	77	59	92	0.29	0.28	0.26	0.06	0.02	0.00		1.00	0.25	0.18	0.30	0.36			
	2.7	OF-3	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	1.53	1.46	1.36	0.44	0.20	0.04		1.00	0.20	0.81	1.35	1.62			
	5.1	OF-3	S26.2	D	Open Brush, Fair	83	67	96	3.09	2.96	2.79	1.02	0.52	0.14		1.00	0.20	1.53	2.55	3.06			
	0.2	OF-4	S26.2	C	Open Brush, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12			
	0.7	OF-4	S26.2	D	Open Brush, Fair	83	67	96	0.42	0.41	0.38	0.14	0.07	0.02		1.00	0.20	0.21	0.35	0.42			
	0.2	OF-5	S26.2	D	Woodland, Grass, Fair	82	66	95	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.20	0.06	0.10	0.12			
	1.0	OF-5	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.45	0.43	0.39	0.08	0.02	0.00		1.00	0.25	0.30	0.50	0.60			
	1.4	OF-5	S26.2	C	Open Brush, Fair	77	59	92	0.69	0.65	0.60	0.15	0.05	0.00		1.00	0.25	0.42	0.70	0.84			
	4.4	OF-5	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.49	2.37	2.22	0.72	0.33	0.06		1.00	0.20	1.32	2.20	2.64			
	6.7	OF-5	S26.2	D	Open Brush, Fair	83	67	96	4.05	3.89	3.66	1.34	0.69	0.19		1.00	0.20	2.01	3.35	4.02			
	0.7	OF-6	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.40	0.38	0.35	0.11	0.05	0.01		1.00	0.20	0.21	0.35	0.42			
	1.4	OF-6	S26.2	D	Woodland, Grass, Fair	82	66	95	0.82	0.78	0.74	0.25	0.12	0.03		1.00	0.20	0.42	0.70	0.84			
	5.4	OF-6	S26.2	D	Open Brush, Fair	83	67	96	3.27	3.13	2.95	1.08	0.55	0.15		1.00	0.20	1.62	2.70	3.24			
	0.6	OF-7	S26.2	B	Woodland, Grass, Fair	65	45	83	0.18	0.16	0.14	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.8	OF-7	S26.2	C	Woodland, Grass, Fair	77	59	92	0.39	0.37	0.34	0.09	0.03	0.00		1.00	0.25	0.24	0.40	0.48			
	0.8	OF-7	S26.2	B	Open Brush, Fair	66	46	84	0.25	0.22	0.20	0.01	0.00	0.00		1.00	0.30	0.24	0.40	0.48			
	1.1	OF-7	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.29	0.26	0.22	0.00	0.00	0.00		1.00	0.30	0.33	0.55	0.66			
	5.2	OF-7	S26.2	D	Woodland, Grass, Fair	82	66	95	3.04	2.91	2.73	0.95	0.46	0.10		1.00	0.20	1.56	2.60	3.12			
	6.3	OF-7	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.87	2.69	2.45	0.53	0.14	0.00		1.00	0.25	1.89	3.15	3.78			
	9.7	OF-7	S26.2	C	Open Brush, Fair	77	59	92	4.76	4.49	4.13	1.04	0.34	0.01		1.00	0.25	2.91	4.85	5.82			
	17.0	OF-7	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	9.61	9.17	8.57	2.79	1.26	0.23		1.00	0.20	5.10	8.50	10.20			
	36.6	OF-7	S26.2	D	Open Brush, Fair	83	67	96	22.14	21.24	20.00	7.35	3.75	1.02		1.00	0.20	10.98	18.30	21.96			
	0.1	OF-8	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.03	0.02	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.3	OF-8	S26.2	B	Woodland, Grass, Fair	65	45	83	0.09	0.08	0.07	0.00	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	0.6	OF-8	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.32	0.30	0.28	0.08	0.03	0.00		1.00	0.25	0.18	0.30	0.36			
	0.7	OF-8	S26.2	B	Open Brush, Fair	66	46	84	0.22	0.20	0.17	0.01	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	0.9	OF-8	S26.2	D	Woodland, Grass, Fair	82	66	95	0.53	0.50	0.47	0.16	0.08	0.02		1.00	0.20	0.27	0.45	0.54			
	0.9	OF-8	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.32	0.29	0.26	0.03	0.00	0.00		1.00	0.30	0.27	0.45	0.54			
	3.8	OF-8	S26.2	D	Open Brush, Fair	83	67	96	2.30	2.20	2.08	0.76	0.39	0.11		1.00	0.20	1.14	1.90	2.28			
	4.2	OF-8	S26.2	D	Chaparral, Broadleaf, Fair	81	64	95	2.38	2.27	2.12	0.69	0.31	0.06		1.00	0.20	1.26	2.10	2.52			
	5.1	OF-8	S26.2	C	Woodland, Grass, Fair	77	59	92	2.50	2.36	2.17	0.55	0.18	0.00		1.00	0.25	1.53	2.55	3.06			
	7.0	OF-8	S26.2	C	Open Brush, Fair	77	59	92	3.43	3.24	2.98	0.75	0.25	0.00		1.00	0.25	2.10	3.50	4.20			
	12.0	OF-8	S26.2	C	Chaparral, Broadleaf, Fair	75	57	91	5.46	5.12	4.67	1.01	0.26	0.00		1.00	0.25	3.60	6.00	7.20			
	0.5	OF-9	S26.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.31	0.30	0.28	0.11	0.06	0.02		1.00	0.20	0.15	0.25	0.30			
	0.7	OF-9	S26.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.19	0.17	0.14	0.00	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	2.3	OF-9	S26.2	C	Woodland, Grass, Fair	77	59	92	1.13	1.06	0.98	0.25	0.08	0.00		1.00	0.25	0.69	1.15	1.38			
	2.4	OF-9	S26.2	B	Open Brush, Fair	66	46	84	0.74	0.67	0.59	0.03	0.00	0.00		1.00	0.30	0.72	1.20	1.44			
	2.5	OF-9	S26.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.89	0.82	0.72	0.08	0.00	0.00		1.00	0.30	0.75	1.25	1.50			
	3.2	OF-9	S26.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.69	1.60	1.48	0.43	0.17	0.01		1.00	0.25	0.96	1.60	1.92			
	7.4	OF-9	S26.2	D	Woodland, Grass, Fair	82	66	95	4.33	4.14	3.89	1.35	0.65	0.15		1.00	0.20	2.22	3.70	4.44			
	12.4	OF-9	S26.2	C	Open Brush, Fair	77	59	92	6.08	5.74	5.28	1.33	0.44	0.01		1.00	0.25	3.72	6.20	7.44			
	28.2	OF-9	S26.2	D	Open Brush, Fair	83	67	96	17.06	16.36	15.41	5.66	2.89	0.79		1.00	0.20	8.46	14.10	16.92			
	31.4																						

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 600 to 12606 (Node 126)

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									
									100	50	25	10	5	2	100								
						P ₂₄ (Inches)			AMC 1/AMCII					5.63									
						II	I	III															
	0.8	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.39	0.37	0.34	0.09	0.03	0.00		1.00	0.25	0.24	0.40	0.48			
	2.9	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.42	1.34	1.23	0.31	0.10	0.00		1.00	0.25	0.87	1.45	1.74			
	14.8	O-3	S26.3	C	Open Brush, Fair	77	59	92	7.26	6.85	6.30	1.59	0.52	0.01		1.00	0.25	4.44	7.40	8.88			
	0.2	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.08	0.08	0.07	0.06	0.04	0.02		0.90	0.25	0.05	0.09	0.11			
	0.1	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06			
	11.7	O-4	S26.3	C	Open Brush, Fair	77	59	92	5.74	5.41	4.98	1.26	0.41	0.01		1.00	0.25	3.51	5.85	7.02			
	1.9	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	0.79	0.74	0.67	0.56	0.38	0.23		0.90	0.25	0.51	0.86	1.03			
	0.1	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.3	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.00	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	2.3	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.58	0.53	0.47	0.37	0.24	0.20		0.90	0.30	0.62	1.04	1.24			
	0.6	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.18	0.16	0.14	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	1	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.45	0.43	0.39	0.08	0.02	0.00		1.00	0.25	0.30	0.50	0.60			
	8.2	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.02	3.79	3.49	0.88	0.29	0.00		1.00	0.25	2.46	4.10	4.92			
	6.2	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	2.57	2.41	2.19	1.84	1.24	0.75		0.90	0.25	1.67	2.79	3.35			
	0.20	26.3-1	S26.3	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	0.20	26.3-1	S26.3	B	Open Brush, Fair	66	46	84	0.06	0.06	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.50	26.3-1	S26.3	B	Woodland, Grass, Fair	65	45	83	0.15	0.13	0.12	0.00	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	0.90	26.3-1	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.41	0.38	0.35	0.08	0.02	0.00		1.00	0.25	0.27	0.45	0.54			
	0.50	26.3-1	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.26	0.25	0.23	0.07	0.03	0.00		1.00	0.25	0.15	0.25	0.30			
	11.50	26.3-1	S26.3	C	Open Brush, Fair	77	59	92	5.64	5.32	4.89	1.24	0.41	0.01		1.00	0.25	3.45	5.75	6.90			
	0.30	26.3-1	S26.3	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18			
	0.20	26.3-2	S26.3	C	Woodland, Grass, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12			
	1.30	26.3-2	S26.3	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.14	0.05	0.00		1.00	0.25	0.39	0.65	0.78			
	1.3	26.3-2	S26.3	A	Public Park	32	17	52	0.19	0.18	0.19	0.18	0.17	0.17		0.85	0.40	0.33	0.55	0.66			
	1.4	26.3-2	S26.3	A	Commercial, Industrial	32	17	52	1.19	1.19	1.18	1.16	1.13	1.07		0.10	0.40	0.04	0.07	0.08			
	1.7	26.3-2	S26.3	A	Residential 2.5 acre lots	32	17	52	0.16	0.16	0.17	0.16	0.15	0.14		0.90	0.40	0.46	0.77	0.92			
	12.4	26.3-2	S26.3	A	Open Brush, Fair	46	28	66	0.91	0.70	0.46	0.00	0.00	0.00		1.00	0.40	3.72	6.20	7.44			
	26.9	26.3-2	S26.3	A	Woodland, Grass, Fair	44	26	64	1.54	1.13	0.68	0.00	0.00	0.00		1.00	0.40	8.07	13.45	16.14			
	0.5	26.3-3	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30			
	0.4	26.3-3	S26.3	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.09	0.00	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	0.4	26.3-3	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.18	0.17	0.16	0.03	0.01	0.00		1.00	0.25	0.12	0.20	0.24			
	0.6	26.3-3	S26.3	C	Grass, Annual or Perennial, Fair	79	62	93	0.32	0.30	0.28	0.08	0.03	0.00		1.00	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	C	Public Park	69	50	86	0.31	0.29	0.27	0.23	0.17	0.11		0.85	0.25	0.18	0.30	0.36			
	0.7	26.3-3	S26.3	D	Chaparral, Narrowleaf, Fair	86	72	97	0.47	0.45	0.43	0.19	0.11	0.04		1.00	0.20	0.21	0.35	0.42			
	1.0	26.3-3	S26.3	D	Open Brush, Fair	83	67	96	0.61	0.58	0.55	0.20	0.10	0.03		1.00	0.20	0.30	0.50	0.60			
	1.2	26.3-3	S26.3	A	Open Brush, Fair	46	28	66	0.09	0.07	0.04	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72			
	1.7	26.3-3	S26.3	D	Residential 2.5 acre lots	75	57	91	0.86	0.81	0.75	0.65	0.47	0.30		0.90	0.20	0.46	0.77	0.92			
	1.9	26.3-3	S26.3	C	Open Brush, Fair	77	59	92	0.93	0.88	0.81	0.20	0.07	0.00		1.00	0.25	0.57	0.95	1.14			
	2.1	26.3-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.87	0.82	0.74	0.62	0.42	0.25		0.90	0.25	0.57	0.95	1.13			
	2.9	26.3-3	S26.3	C	Chaparral, Narrowleaf, Fair	81	64	95	1.64	1.56	1.46	0.48	0.22	0.04		1.00	0.25	0.87	1.45	1.74			
	5.6	26.3-3	S26.3	C	Woodland, Grass, Fair	77	59	92	2.75	2.59	2.38	0.60	0.20	0.00		1.00	0.25	1.68	2.80	3.36			
	9.0	26.3-3	S26.3	A	Woodland, Grass, Fair	44	26	64	0.52	0.38	0.23	0.00	0.00	0.00		1.00	0.40	2.70	4.50	5.40			
	0.5	26.3-5	S26.3	B	Row Crops, Poor	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.30	0.15	0.25	0.30			
	0.7	26.3-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.21	0.19	0.16	0.01	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	1.3	26.3-5	S26.3	D	Public Park	75	57	91	0.69	0.66	0.61	0.54	0.40	0.28		0.85	0.20	0.33	0.55	0.66			
	1.3	26.3-5	S26.3	A	Residential 2.5 acre lots	32	17	52	0.12	0.12	0.13	0.12	0.12	0.11		0.90	0.40	0.35	0.59	0.70			
	1.9	26.3-5	S26.3	A	Row Crops, Poor	72	53	89	0.77	0.71	0.64	0.10	0.01	0.00		1.00	0.40	0.57	0.95	1.14			
	2.1	26.3-5	S26.3	C	Public Park	69	50	86	0.93	0.88	0.81	0.69	0.50	0.34		0.85	0.25	0.54	0.89	1.07			
	3.2	26.3-5	S26.3	A	Open Brush, Fair	46	28	66	0.24	0.18	0.12	0.00	0.00	0.00		1.00	0.40	0.96	1.60	1.92			
	3.5	26.3-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.20	0.15	0.09	0.00	0.00	0.00		1.00	0.40	1.05	1.75	2.10			
	6.1	26.3-5	S26.3	A	Public Park	32	17	52	0.87	0.86	0.88	0.84	0.82	0.78		0.85	0.40	1.56	2.59	3.11			
	0.3	26.3-6	S26.3	A	Chaparral, Broadleaf, Fair	40	23	60	0.01	0.01	0.00	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18			
	0.3	26.3-6	S26.3	B	Grass, Annual or Perennial, Fair	69	50	86	0.11	0.10	0.09	0.01	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	0.4	26.3-6	S26.3	D	Public Park	75	57	91	0.21	0.20	0.19	0.17	0.12	0.09		0.85	0.20	0.10	0.17	0.20			
	0.6	26.3-6	S26.3	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36			
	1.1	26.3-6	S26.3	A	Commercial, Industrial	32	17	52	0.94	0.93	0.93	0.91	0.88	0.84		0.10	0.40	0.03	0.06	0.07			
	0.8	26.3-6	S26.3	A	Public Park	32	17	52	0.11	0.11	0.12	0.11	0.11	0.10		0.85	0.40	0.20	0.34	0.41			
	0.8	26.3-6	S26.3	A	Grass, Annual or Perennial, Fair	50	31	70	0.09	0.07	0.05	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48			
	0.9	26.3-6	S26.3	B	Woodland, Grass, Fair	65	45	83	0.27	0.24	0.21	0.01	0.00	0.00		1.00	0.30	0.27	0.45	0.54			
	1.5	26.3-6	S26.3	A	Row Crops, Poor	72	53	89	0.61	0.56	0.51	0.08	0.01	0.00		1.00	0.40	0.45	0.75	0.90			
	1.6	26.3-6	S26.3	C	Open Brush, Fair	77	59	92	0.78	0.74	0.68	0.17	0.06	0.00		1.00	0.25	0.48	0.80	0.96			
	1.8	26.3-6	S26.3	D	Open Brush, Fair	83	67	96	1.09	1.04	0.98	0.36	0.18	0.05		1.00	0.20	0.54	0.90	1.08			
	1.9	26.3-6	S26.3	C	Woodland, Grass, Fair	77	59	92	0.93	0.88	0.81	0.20	0.07	0.00		1.00	0.25	0.57	0.95	1.14			
	3.3	26.3-6	S26.3	B	Open Brush, Fair	66	46	84</															

PA-3&4 (Ultimate Conditions)

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							
								100	50	25	10	5	2	100							
						P ₂₄ (Inches)															
						II	I	III	AMC I/AMCII						5.63						
						II	I	III	AMC I/AMCII						5.63						
Storm Event (Year)		EV		HC																	
> 5	5	2	All																		

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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							
									EV														
									100	50	25	10	5	2	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III	AMC 1/AMCII														
											EV	HC		All									
											> 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		0.20	0.20	0.10	0.16	0.19			
	0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	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		0.20	0.25	0.07	0.11	0.13			
	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		0.20	0.20	0.01	0.02	0.02			
	1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.33	1.32	1.31	1.28	1.22	1.15		0.10	0.25	0.05	0.08	0.09			
	0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15		0.10	0.20	0.01	0.01	0.01			
	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		0.20	0.25	0.04	0.07	0.08			
	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		0.20	0.20	0.03	0.05	0.06			
	1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.69	1.67	1.66	1.62	1.55	1.46		0.10	0.25	0.06	0.10	0.11			
	2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93		0.10	0.20	0.08	0.13	0.15			
	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		0.20	0.25	0.05	0.08	0.10			
	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		0.20	0.20	0.04	0.07	0.08			
	0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15		0.10	0.25	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		0.10	0.20	0.00	0.01	0.01			
	0.2	C1-13	S27.2	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10			
	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		0.20	0.25	0.37	0.61	0.73			
	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		0.20	0.20	0.37	0.61	0.73			
	1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30		0.10	0.25	0.05	0.09	0.10			
	1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01		0.10	0.20	0.04	0.07	0.08			
	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		0.20	0.25	0.18	0.30	0.36			
	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		0.20	0.20	0.13	0.21	0.25			
	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		0.50	0.25	0.56	0.93	1.11			
	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		0.50	0.20	0.90	1.50	1.80			
	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		0.20	0.25	0.02	0.04	0.05			
	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		0.90	0.20	0.08	0.14	0.16			
	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		0.50	0.25	1.02	1.70	2.04			
	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		0.50	0.20	2.87	4.78	5.73			
	0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31		0.10	0.25	0.01	0.02	0.02			
	0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	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		0.90	0.25	0.19	0.32	0.38			
	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		0.50	0.25	1.34	2.23	2.67			
	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		0.50	0.20	1.11	1.85	2.22			
	0.1	C1-17	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.25	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		0.10	0.40	0.04	0.07	0.08			
	4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.18	4.15	4.10	4.03	3.87	3.66		0.10	0.30	0.14	0.24	0.29			
	5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84		0.10	0.25	0.15	0.25	0.30			
	3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.32	3.30	3.26	3.19	3.05	2.86		0.10	0.20	0.11	0.19	0.22			
	5.0	C1-17	S27.2	D	Public Park	75	57	91	2.64	2.52	2.35	2.07	1.55	1.07		0.85	0.20	1.28	2.13	2.55			
	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		0.20	0.25	0.24	0.40	0.48			
	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		0.20	0.20	0.76	1.27	1.52			
	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		0.90	0.30	0.30	0.50	0.59			
	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		0.90	0.25	0.41	0.68	0.81			
	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		0.90	0.20	0.68	1.13	1.35			
	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		0.50	0.30	0.02	0.03	0.03			
	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		0.50	0.25	0.68	1.13	1.35			
	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		0.50	0.20	0.21	0.35	0.42			
	2.2	C1-17	S27.2	B	School	56	36	76	1.07	1.03	0.98	0.91	0.81	0.75		0.60	0.30	0.40	0.66	0.79			
	6.8	C1-17	S27.2	C	School	69	50	86	4.03	3.90	3.73	3.44	2.93	2.47		0.60	0.25	1.22	2.04	2.45			
	7.9	C1-17	S27.2	D	School	75	57	91	5.15	5.00	4.80	4.45	3.81	3.16		0.60	0.20	1.42	2.37	2.84			
	0.1	C1-2	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	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		0.20	0.20	0.26	0.43	0.52			
	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		0.20	0.25	0.17	0.28	0.34			
	0.1	C1-21	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	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		0.20	0.25	0.38	0.63	0.76			
	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		0.20	0.20	0.01	0.02	0.02			
	0.7	C1-21	S27.2	C	School	69	50	86	0.41	0.40	0.38	0.35	0.30	0.25		0.60	0.25	0.13	0.21	0.25			
	0.1	C1-22	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.25	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		0.85	0.25	0.51	0.85	1.02			
	2.1	C1-22	S27.2	D	Public Park	75	57	91	1.11	1.06	0.99	0.87	0.65	0.45		0.85	0.20	0.54	0.89	1.07			
	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		0.20	0.25	0.34	0.56	0.67			
	0.9	C1-22	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.76	0.74	0.72	0.68	0.63		0.20	0.20	0.05	0.09	0.11				
	3.1	C1-22	S27.2	C	School	69	50	86	1.84	1.78	1.70	1.57	1.34	1.13		0.60	0.25	0.56	0.93	1.12			
	0.3	C1-22	S27.2	D	School	75	57	91	0.20	0.19	0.18	0.17	0.14	0.12		0.60	0.20	0.05	0.09	0.11			
	1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	0.98	0.97	0.96	0.94	0.90	0.84		0.10	0.25	0.03	0.06	0.07			
	1.1	C1-23	S27.2	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85		0.10	0.20	0.03	0.06	0.07			
	3.1	C1-23	S27.2	C	Public Park	69	50	86	1.38	1.30	1.20	1.03	0.74	0.50		0.85	0.25	0.79	1.32	1.58			
	2.6	C1-23	S27.2	D	Public Park	75	57	91	1.37	1.31	1.22	1.08	0.81	0.55		0.85	0.20	0.66	1.11	1.33			
	4.8	C1-23	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.98	3.93	3.87	3.76	3.55	3.30		0.20	0.25	0.29	0.48	0.58			
	3.4	C1-23	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.89	2.85	2.81	2.73	2.57	2.36	</								

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII							5.63							
	5.0	C1-24	S27.2	D	Residential 10+ dwellings/acre	75	57	91	4.24	4.20	4.13	4.02	3.78	3.49		0.20	0.20	0.30	0.50	0.60			
	0.2	C1-24	S27.2	C	Residential 2.5 acre lots	69	50	86	0.08	0.08	0.07	0.06	0.04	0.02		0.90	0.25	0.05	0.09	0.11			
	1.2	C1-24	S27.2	D	Residential 2.5 acre lots	75	57	91	0.60	0.57	0.53	0.46	0.33	0.21		0.90	0.20	0.32	0.54	0.65			
	13.9	C1-24	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	9.05	8.82	8.52	7.99	7.06	6.17		0.50	0.25	2.09	3.48	4.17			
	18.6	C1-24	S27.2	D	Residential 5-7 dwellings/acre	75	57	91	13.04	12.74	12.32	11.60	10.24	8.83		0.50	0.20	2.79	4.65	5.58			
	1.0	C1-25	S27.2	B	Commercial, Industrial	56	36	76	0.87	0.86	0.85	0.84	0.81	0.76		0.10	0.30	0.03	0.05	0.06			
	6.1	C1-25	S27.2	C	Commercial, Industrial	69	50	86	5.42	5.38	5.32	5.21	4.98	4.68		0.10	0.25	0.18	0.31	0.37			
	12.9	C1-25	S27.2	D	Commercial, Industrial	75	57	91	11.59	11.50	11.37	11.14	10.64	9.98		0.10	0.20	0.39	0.65	0.77			
	0.3	C1-25	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.25	0.25	0.25	0.24	0.23	0.21		0.20	0.20	0.02	0.03	0.04			
	0.9	C1-25	S27.2	B	Residential 2.5 acre lots	56	36	76	0.23	0.21	0.18	0.14	0.09	0.08		0.90	0.30	0.24	0.41	0.49			
	12.8	C1-25	S27.2	C	Residential 2.5 acre lots	69	50	86	5.31	4.97	4.53	3.79	2.56	1.55		0.90	0.25	3.46	5.76	6.91			
	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		0.90	0.20	6.26	10.44	12.53			
	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		0.50	0.25	0.05	0.08	0.09			
	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		0.50	0.20	0.05	0.08	0.09			
	4.8	C1-26	S27.2	C	Commercial, Industrial	69	50	86	4.26	4.23	4.18	4.10	3.92	3.68		0.10	0.25	0.14	0.24	0.29			
	4.8	C1-26	S27.2	D	Commercial, Industrial	75	57	91	4.31	4.28	4.23	4.14	3.96	3.71		0.10	0.20	0.14	0.24	0.29			
	0.1	C1-26	S27.2	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05			
	6.3	C1-26	S27.2	D	Public Park	75	57	91	3.33	3.17	2.97	2.61	1.96	1.34		0.85	0.20	1.61	2.68	3.21			
	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		0.20	0.30	0.30	0.50	0.60			
	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		0.20	0.25	2.60	4.33	5.20			
	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		0.20	0.20	2.32	3.87	4.64			
	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		0.90	0.25	0.62	1.04	1.24			
	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		0.90	0.20	0.97	1.62	1.94			
	0.5	C1-27	S27.2	A	Apartments	32	17	52	0.38	0.38	0.37	0.37	0.36	0.34		0.20	0.40	0.03	0.05	0.06			
	14.8	C1-27	S27.2	B	Apartments	56	36	76	11.74	11.61	11.45	11.16	10.62	10.04		0.20	0.30	0.89	1.48	1.78			
	1.9	C1-27	S27.2	C	Apartments	69	50	86	1.58	1.56	1.53	1.49	1.40	1.30		0.20	0.25	0.11	0.19	0.23			
	9.9	C1-27	S27.2	D	Apartments	75	57	91	8.40	8.31	8.19	7.95	7.49	6.92		0.20	0.20	0.59	0.99	1.19			
	1.8	C1-27	S27.2	A	Commercial, Industrial	32	17	52	1.53	1.53	1.52	1.50	1.45	1.37		0.10	0.40	0.05	0.09	0.11			
	8.4	C1-27	S27.2	B	Commercial, Industrial	56	36	76	7.31	7.26	7.18	7.04	6.77	6.41		0.10	0.30	0.25	0.42	0.50			
	7.6	C1-27	S27.2	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83		0.10	0.25	0.23	0.38	0.46			
	14.0	C1-27	S27.2	D	Commercial, Industrial	75	57	91	12.57	12.48	12.34	12.09	11.54	10.83		0.10	0.20	0.42	0.70	0.84			
	1.4	C1-27	S27.2	C	Public Park	69	50	86	0.62	0.59	0.54	0.46	0.33	0.23		0.85	0.25	0.36	0.60	0.71			
	0.3	C1-27	S27.2	D	Public Park	75	57	91	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.20	0.08	0.13	0.15			
	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		0.20	0.40	0.01	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		0.20	0.30	0.02	0.03	0.04			
	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		0.20	0.25	0.73	1.22	1.46			
	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		0.20	0.20	1.06	1.76	2.11			
	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		0.90	0.30	0.08	0.14	0.16			
	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		0.90	0.25	0.24	0.41	0.49			
	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		0.90	0.20	2.51	4.19	5.02			
	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		0.50	0.30	0.03	0.05	0.06			
	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		0.50	0.25	0.80	1.33	1.59			
	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		0.50	0.20	4.25	7.08	8.49			
	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		0.40	0.25	0.46	0.76	0.91			
	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		0.40	0.20	0.49	0.82	0.98			
	0.3	C1-27	S27.2	C	School	69	50	86	0.18	0.17	0.16	0.15	0.13	0.11		0.60	0.25	0.05	0.09	0.11			
	0.3	C1-27	S27.2	D	School	75	57	91	0.20	0.19	0.18	0.17	0.14	0.12		0.60	0.20	0.05	0.09	0.11			
	11.6	C1-28	S27.2	A	Commercial, Industrial	32	17	52	9.89	9.84	9.78	9.64	9.32	8.85		0.10	0.40	0.35	0.58	0.70			
	6.7	C1-28	S27.2	B	Commercial, Industrial	56	36	76	5.83	5.79	5.73	5.62	5.40	5.11		0.10	0.30	0.20	0.34	0.40			
	12.8	C1-28	S27.2	C	Commercial, Industrial	69	50	86	11.37	11.28	11.16	10.93	10.45	9.82		0.10	0.25	0.38	0.64	0.77			
	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		0.90	0.40	0.05	0.09	0.11			
	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		0.90	0.30	0.05	0.09	0.11			
	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		0.20	0.25	0.34	0.56	0.67			
	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		0.20	0.20	0.14	0.24	0.29			
	17.5	C1-30	S27.2	A	Apartments	32	17	52	13.27	13.20	13.12	12.93	12.50	11.87		0.20	0.40	1.05	1.75	2.10			
	1.5	C1-30	S27.2	B	Apartments	56	36	76	1.19	1.18	1.16	1.13	1.08	1.02		0.20	0.30	0.09	0.15	0.18			
	0.7	C1-30	S27.2	C	Apartments	69	50	86	0.58	0.57	0.56	0.55	0.52	0.48		0.20	0.25	0.04	0.07	0.08			
	0.1	C1-30	S27.2	D	Barren	93	83	99	0.08	0.08	0.08	0.05	0.04	0.02		1.00	0.20	0.03	0.05	0.06			
	44.6	C1-30	S27.2	A	Commercial, Industrial	32	17	52	38.03	37.85	37.61	37.07	35.85	34.04		0.10	0.40	1.34	2.23	2.68			
	0.7	C1-30	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53		0.10	0.30	0.02	0.04	0.04			
	2.0	C1-30	S27.2	C	Commercial, Industrial	69	50	86	1.78	1.76	1.74	1.71	1.63	1.53		0.10	0.25	0.06	0.10	0.12			
	4.1	C1-30	S27.2	D	Commercial, Industrial	75	57	91	3.68	3.65	3.61	3.54	3.38	3.17		0.10	0.20	0.12	0.21	0.25			
	0.1	C1-30	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
	2.9	C1-4	S27.2	C	Commercial, Industrial	69	50	86	2.58	2.56	2.53	2.48	2.37	2.22		0.10	0.25	0.09	0.15	0.17			
	4.5	C1-4	S27.2	D	Commercial, Industrial	75	57	91	4.04	4.01	3.97	3.89	3.71	3.48		0.10	0.20	0.14	0.23	0.27			
	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		0.20	0.25	0.34	0.57	0.68			
	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		0.20	0.20	0.14	0.24	0.29			
	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		0.40	0.25	0.06	0.10	0.12			
	5.7	C1-4	S27.2	C	School	69	50	86	3.38	3.27	3.12	2.88	2.46	2.07		0.60							

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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					
									EV					HC										
							100	50	25	10	5	2	100											
						AMC			P ₂₄ (Inches)					5.63										
						II	I	III	AMC 1/AMCII															
	0.1	C1-4	S27.2	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05				
	1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77		0.10	0.25	0.03	0.05	0.06				
	0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.81	0.80	0.79	0.78	0.74	0.70		0.10	0.20	0.03	0.05	0.05				
	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		0.20	0.25	0.04	0.06	0.07				
	0.1	C1-5	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01				
	0.1	C1-5	S27.2	C	School	69	50	86	0.06	0.06	0.05	0.05	0.04	0.04		0.60	0.25	0.02	0.03	0.04				
	0.5	C1-5	S27.2	D	School	75	57	91	0.33	0.32	0.30	0.28	0.24	0.20		0.60	0.20	0.09	0.15	0.18				
	1.7	C1-6	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30		0.10	0.25	0.05	0.09	0.10				
	4.4	C1-6	S27.2	D	Commercial, Industrial	75	57	91	3.95	3.92	3.88	3.80	3.63	3.40		0.10	0.20	0.13	0.22	0.26				
	0.6	C1-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.50	0.49	0.48	0.47	0.44	0.41		0.20	0.25	0.04	0.06	0.07				
	1.3	C1-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.10	1.09	1.07	1.04	0.98	0.91		0.20	0.20	0.08	0.13	0.16				
	2.8	C1-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.66	1.60	1.53	1.41	1.21	1.02		0.60	0.25	0.50	0.84	1.01				
	7.1	C1-6	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	4.63	4.49	4.32	4.00	3.42	2.84		0.60	0.20	1.28	2.13	2.56				
	3.3	C1-7	S27.2	C	Commercial, Industrial	69	50	86	2.93	2.91	2.88	2.82	2.69	2.53		0.10	0.25	0.10	0.17	0.20				
	0.4	C1-7	S27.2	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31		0.10	0.20	0.01	0.02	0.02				
	0.1	C1-7	S27.2	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05				
	0.2	C1-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.13	0.13	0.12	0.11	0.10	0.09		0.50	0.25	0.03	0.05	0.06				
	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		0.40	0.25	0.14	0.24	0.29				
	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		0.90	0.20	0.14	0.23	0.27				
	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		0.60	0.20	0.04	0.06	0.07				
	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		0.90	0.25	0.24	0.41	0.49				
	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		0.90	0.20	0.08	0.14	0.16				
	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		0.60	0.20	0.02	0.03	0.04				
	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		0.50	0.25	0.02	0.03	0.03				
	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		0.50	0.20	0.05	0.08	0.09				
	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		0.90	0.25	0.54	0.90	1.08				
	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		0.90	0.20	0.11	0.18	0.22				
	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		0.50	0.25	0.06	0.10	0.12				
	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		0.50	0.20	0.05	0.08	0.09				
	0.1	C2-13	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.25	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		0.10	0.25	0.05	0.08	0.09				
	0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01				
	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		0.90	0.25	0.76	1.26	1.51				
	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		0.90	0.20	0.27	0.45	0.54				
	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		0.50	0.25	0.03	0.05	0.06				
	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		0.50	0.20	0.02	0.03	0.03				
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.80	0.79	0.78	0.77	0.73	0.69		0.10	0.25	0.03	0.05	0.05				
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46		0.10	0.20	0.02	0.03	0.04				
	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		0.50	0.25	0.95	1.58	1.89				
	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		0.50	0.20	0.56	0.93	1.11				
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.33	1.31	1.29	1.25	1.18	1.10		0.20	0.25	0.10	0.16	0.19				
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.25	9.15	9.01	8.76	8.24	7.61		0.20	0.20	0.65	1.09	1.31				
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08				
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01		0.10	0.20	0.04	0.07	0.08				
	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		0.20	0.25	0.07	0.11	0.13				
	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		0.20	0.20	0.42	0.70	0.84				
	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		0.60	0.20	0.07	0.12	0.14				
	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		0.50	0.25	0.74	1.23	1.47				
	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		0.50	0.20	1.40	2.33	2.79				
	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		0.40	0.25	0.04	0.06	0.07				
	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		0.40	0.20	0.01	0.02	0.02				
	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		0.60	0.25	0.59	0.99	1.19				
	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		0.40	0.25	0.53	0.88	1.06				
	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		0.90	0.20	0.19	0.32	0.38				
	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		0.60	0.20	0.04	0.06	0.07				
	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		0.90	0.20	0.35	0.59	0.70				
	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		0.60	0.20	0.09	0.15	0.18				
	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		0.90	0.30	0.22	0.36	0.43				
	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		0.90	0.25	0.32	0.54	0.65				
	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		0.90	0.20	0.05	0.09	0.11				
	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		0.60	0.30	0.07	0.12	0.14				
	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		0.60	0.25	0.31	0.51	0.61	</			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III					AMC 1/AMCII										

	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		0.60	0.25	0.38	0.63	0.76
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.07	3.03	2.99	2.90	2.73	2.54		0.20	0.25	0.22	0.37	0.44
	6.8	C2-24	S27.2	D	Apartments	75	57	91	5.77	5.71	5.62	5.46	5.14	4.75		0.20	0.20	0.41	0.68	0.82
	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		0.20	0.25	0.04	0.07	0.08
	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		0.20	0.20	0.16	0.26	0.31
	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		0.60	0.25	0.40	0.66	0.79
	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		0.60	0.20	1.78	2.97	3.56
	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		0.50	0.20	0.20	0.33	0.39
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30		0.10	0.25	0.05	0.09	0.10
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.60	2.58	2.56	2.50	2.39	2.24		0.10	0.20	0.09	0.15	0.17
	3.6	C2-25	S27.2	D	Public Park	75	57	91	1.90	1.81	1.70	1.49	1.12	0.77		0.85	0.20	0.92	1.53	1.84
	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		0.20	0.25	0.27	0.45	0.54
	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		0.20	0.20	0.27	0.45	0.54
	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		0.90	0.20	0.03	0.05	0.05
	0.8	C2-25	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.57	0.56	0.54	0.52	0.47	0.42		0.40	0.25	0.10	0.16	0.19
	0.2	C2-25	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.11		0.40	0.20	0.02	0.04	0.05
	0.7	C2-26	S27.2	A	Public Park	32	17	52	0.10	0.10	0.10	0.10	0.09	0.09		0.85	0.40	0.18	0.30	0.36
	8.9	C2-26	S27.2	B	Public Park	56	36	76	2.60	2.40	2.17	1.80	1.32	1.13		0.85	0.30	2.27	3.78	4.54
	1.2	C2-26	S27.2	C	Public Park	69	50	86	0.53	0.50	0.46	0.40	0.29	0.19		0.85	0.25	0.31	0.51	0.61
	3.7	C2-26	S27.2	D	Public Park	75	57	91	1.96	1.86	1.74	1.53	1.15	0.79		0.85	0.20	0.94	1.57	1.89
	7.4	C2-27	S27.2	A	Apartments	32	17	52	5.61	5.58	5.55	5.47	5.29	5.02		0.20	0.40	0.44	0.74	0.89
	15.0	C2-27	S27.2	B	Apartments	56	36	76	11.90	11.77	11.60	11.31	10.77	10.18		0.20	0.30	0.90	1.50	1.80
	5.8	C2-27	S27.2	C	Apartments	69	50	86	4.81	4.75	4.68	4.55	4.29	3.98		0.20	0.25	0.35	0.58	0.70
	2.5	C2-27	S27.2	D	Apartments	75	57	91	2.12	2.10	2.07	2.01	1.89	1.75		0.20	0.20	0.15	0.25	0.30
	9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.76	7.72	7.67	7.56	7.31	6.94		0.10	0.40	0.27	0.46	0.55
	1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.31	1.30	1.28	1.26	1.21	1.14		0.10	0.30	0.05	0.08	0.09
	0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38		0.10	0.25	0.02	0.03	0.03
	0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31		0.10	0.20	0.01	0.02	0.02
	0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06
	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		0.90	0.25	0.54	0.90	1.08
	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		0.60	0.25	1.58	2.64	3.17
	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		0.40	0.30	0.01	0.02	0.02
	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		0.40	0.25	0.59	0.98	1.18
	0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01
	0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01
	0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06
	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		0.90	0.25	1.32	2.21	2.65
	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		0.90	0.20	0.41	0.68	0.81
	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		0.60	0.25	0.18	0.30	0.36
	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		0.50	0.25	1.32	2.20	2.64
	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		0.50	0.20	0.63	1.05	1.26
	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		0.40	0.25	0.13	0.22	0.26
	0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01
	1.8	C2-5	S27.2	C	Public Park	69	50	86	0.80	0.75	0.70	0.60	0.43	0.29		0.85	0.25	0.46	0.77	0.92
	0.4	C2-5	S27.2	D	Public Park	75	57	91	0.21	0.20	0.19	0.17	0.12	0.09		0.85	0.20	0.10	0.17	0.20
	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		0.90	0.25	0.49	0.81	0.97
	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		0.90	0.20	0.76	1.26	1.51
	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		0.50	0.25	0.92	1.53	1.83
	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		0.50	0.20	1.68	2.80	3.36
	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		0.40	0.25	0.94	1.56	1.87
	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		0.40	0.20	0.17	0.28	0.34
	5.5	C2-6	S27.2	C	Commercial, Industrial	69	50	86	4.89	4.85	4.79	4.70	4.49	4.22		0.10	0.25	0.17	0.28	0.33
	1.9	C2-6	S27.2	D	Commercial, Industrial	75	57	91	1.71	1.69	1.68	1.64	1.57	1.47		0.10	0.20	0.06	0.10	0.11
	2.5	C2-6	S27.2	C	Public Park	69	50	86	1.11	1.05	0.97	0.83	0.60	0.40		0.85	0.25	0.64	1.06	1.28
	0.9	C2-6	S27.2	D	Public Park	75	57	91	0.48	0.45	0.42	0.37	0.28	0.19		0.85	0.20	0.23	0.38	0.46
	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		0.20	0.25	2.18	3.64	4.37
	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		0.20	0.20	0.82	1.36	1.63
	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		0.90	0.25	1.27	2.12	2.54
	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		0.90	0.20	0.57	0.95	1.13
	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		0.60	0.25	0.02	0.03	0.04
	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		0.50	0.25	0.05	0.08	0.09
	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		0.50	0.20	0.02	0.03	0.03
	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		0.40	0.30	0.01	0.02	0.02
	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		0.40	0.25	1.12	1.86	2.23
	0.9	C2-6	S27.2	D	Residential 8-10 dwellings/acre	75	57													

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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	Storm Event (Year)					HC				
						100	50	25	10	5	2	100	Storm Event (Year)						HC				
						AMC			P ₂₄ (Inches)					Storm Event (Year)					HC				
						II	I	III					AMC 1/AMCII								> 5	5	2
	2.6	C2-7	S27.2	D	Public Park	75	57	91	1.37	1.31	1.22	1.08	0.81	0.55		0.85	0.20	0.66	1.11	1.33			
	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		0.20	0.40	0.04	0.06	0.07			
	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		0.20	0.30	0.14	0.24	0.29			
	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		0.20	0.25	0.64	1.06	1.27			
	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		0.20	0.20	0.04	0.06	0.07			
	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		0.90	0.25	0.51	0.86	1.03			
	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		0.90	0.20	0.19	0.32	0.38			
	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		0.60	0.25	2.57	4.29	5.15			
	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		0.60	0.20	2.75	4.59	5.51			
	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		0.50	0.40	0.06	0.10	0.12			
	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		0.50	0.30	0.23	0.38	0.45			
	5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.32	3.24	3.12	2.93	2.59	2.27		0.50	0.25	0.77	1.28	1.53			
	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		0.50	0.20	0.14	0.23	0.27			
	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		0.40	0.30	0.42	0.70	0.84			
	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		0.40	0.25	1.01	1.68	2.02			
	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		0.40	0.20	0.34	0.56	0.67			
	0.6	C2-7	S27.2	B	School	56	36	76	0.29	0.28	0.27	0.25	0.22	0.20		0.60	0.30	0.11	0.18	0.22			
	1.5	C2-7	S27.2	C	School	69	50	86	0.89	0.86	0.82	0.76	0.65	0.55		0.60	0.25	0.27	0.45	0.54			
	3.5	C2-7	S27.2	D	School	75	57	91	2.28	2.22	2.13	1.97	1.69	1.40		0.60	0.20	0.63	1.05	1.26			
	0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53		0.10	0.30	0.02	0.04	0.04			
	0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15		0.10	0.25	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		0.10	0.20	0.01	0.02	0.02			
	5.7	C2-8	S27.2	B	Public Park	56	36	76	1.66	1.54	1.39	1.15	0.85	0.73		0.85	0.30	1.45	2.42	2.91			
	4.5	C2-8	S27.2	C	Public Park	69	50	86	2.00	1.89	1.74	1.49	1.07	0.73		0.85	0.25	1.15	1.91	2.30			
	9.4	C2-8	S27.2	D	Public Park	75	57	91	4.97	4.74	4.43	3.89	2.92	2.00		0.85	0.20	2.40	4.00	4.79			
	0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.11	0.11	0.10	0.03	0.01	0.00		1.00	0.25	0.06	0.10	0.12			
	1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.59	0.56	0.51	0.13	0.04	0.00		1.00	0.25	0.36	0.60	0.72			
	1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.96	0.92	0.86	0.28	0.13	0.02		1.00	0.25	0.51	0.85	1.02			
	0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.40	0.39	0.37	0.16	0.09	0.04		1.00	0.20	0.18	0.30	0.36			
	1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.64	0.60	0.54	0.12	0.03	0.00		1.00	0.25	0.42	0.70	0.84			
	0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.20	0.07	0.03	0.01		1.00	0.20	0.12	0.20	0.24			
	8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	4.75	4.53	4.24	1.38	0.62	0.11		1.00	0.25	2.52	4.20	5.04			
	9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.13	5.93	5.65	2.45	1.44	0.58		1.00	0.20	2.76	4.60	5.52			
	2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.32	1.25	1.15	0.29	0.10	0.00		1.00	0.25	0.81	1.35	1.62			
	0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.36	0.35	0.33	0.12	0.06	0.02		1.00	0.20	0.18	0.30	0.36			
	1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.73	0.68	0.62	0.13	0.03	0.00		1.00	0.25	0.48	0.80	0.96			
	1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.57	0.54	0.50	0.16	0.07	0.01		1.00	0.20	0.30	0.50	0.60			
	5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.11	2.97	2.77	0.90	0.41	0.07		1.00	0.25	1.65	2.75	3.30			
	6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	4.53	4.38	4.17	1.81	1.07	0.43		1.00	0.20	2.04	3.40	4.08			
	1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	0.88	0.83	0.77	0.19	0.06	0.00		1.00	0.25	0.54	0.90	1.08			
	2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.51	1.45	1.37	0.50	0.26	0.07		1.00	0.20	0.75	1.25	1.50			
	0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.29	0.28	0.26	0.06	0.02	0.00		1.00	0.25	0.18	0.30	0.36			
	0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
	6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.87	2.69	2.45	0.53	0.14	0.00		1.00	0.25	1.89	3.15	3.78			
	0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.11	0.11	0.10	0.03	0.01	0.00		1.00	0.20	0.06	0.10	0.12			
	5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.34	3.18	2.97	0.97	0.44	0.08		1.00	0.25	1.77	2.95	3.54			
	12.7	OC1-5	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	8.47	8.18	7.79	3.38	1.99	0.80		1.00	0.20	3.81	6.35	7.62			
	6.8	OC1-5	S27.2	C	Open Brush, Fair	77	59	92	3.34	3.15	2.89	0.73	0.24	0.00		1.00	0.25	2.04	3.40	4.08			
	3.2	OC1-5	S27.2	D	Open Brush, Fair	83	67	96	1.94	1.86	1.75	0.64	0.33	0.09		1.00	0.20	0.96	1.60	1.92			
	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		0.90	0.25	0.27	0.45	0.54			
	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		0.90	0.20	0.73	1.22	1.46			
	0.5	OC1-5	S27.2	C	Woodland, Grass, Fair	77	59	92	0.25	0.23	0.21	0.05	0.02	0.00		1.00	0.25	0.15	0.25	0.30			
	0.1	OC1-5	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
	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		1.00	0.40	0.15	0.25	0.30			
	0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.27	0.26	0.23	0.05	0.01	0.00		1.00	0.25	0.18	0.30	0.36			
	1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.28	1.27	1.26	1.25	1.21	1.14		0.10	0.40	0.05	0.08	0.09			
	0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53		0.10	0.30	0.02	0.04	0.04			
	1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.42	1.41	1.39	1.37	1.31	1.23		0.10	0.25	0.05	0.08	0.10			
	1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85		0.10	0.20	0.03	0.06	0.07			
	0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05			
	3.8	OC1-6	S27.2	C	Public Park	69	50	86	1.69	1.59	1.47	1.26	0.91	0.61		0.85	0.25	0.97	1.62	1.94			
	2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.32	1.26	1.18	1.03	0.78	0.53		0.85	0.20	0.64	1.06	1.28			
	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		0.40	0.25	0.01	0.02	0.02			
	1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.15	0.13	0.09	0.00	0.00	0.00		1.00	0.40	0.42	0.70	0.84			
	2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.48	1.40	1.30	0.37	0.15	0.01		1.00	0.25	0.84	1.40	1.68			
	0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
	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		1.00	0.40	0.12	0.20	0.24</			

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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	100										
							AMC			P ₂₄ (Inches)													
							II	I	III	AMC 1/AMCII					5.63								
	2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.23	0.23	0.23	0.22	0.21	0.20		0.90	0.40	0.65	1.08	1.30			
	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		0.90	0.30	0.19	0.32	0.38			
	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		0.90	0.25	0.95	1.58	1.89			
	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		0.90	0.20	0.30	0.50	0.59			
	0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	0.93	0.88	0.81	0.20	0.07	0.00		1.00	0.25	0.57	0.95	1.14			
	0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.14	0.05	0.00		1.00	0.25	0.39	0.65	0.78			
	0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
	0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.83	0.79	0.72	0.18	0.06	0.00		1.00	0.25	0.51	0.85	1.02			
	0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
	3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	1.81	1.71	1.57	0.40	0.13	0.00		1.00	0.25	1.11	1.85	2.22			
	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		0.90	0.25	0.32	0.54	0.65			
	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		0.60	0.25	0.22	0.36	0.43			
	0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18			
	1292.3				Low Loss Fraction (1-Y) =	0.284	0.299	0.318	0.372	0.432	0.493	1.000			F _m =	0.129	0.216	0.259	0.000				

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCII								
	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		0.20	0.20	0.10	0.16	0.19			
	0.1	C1-10	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	1.1	C1-10	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.91	0.90	0.89	0.89	0.86	0.81	0.76	0.20	0.25	0.07	0.11	0.13			
	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		0.20	0.20	0.01	0.02	0.02			
	1.5	C1-11	S27.2	C	Commercial, Industrial	69	50	86	1.33	1.32	1.31	1.28	1.22	1.15		0.10	0.25	0.05	0.08	0.09			
	0.2	C1-11	S27.2	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15		0.10	0.20	0.01	0.01	0.01			
	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		0.20	0.25	0.04	0.07	0.08			
	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		0.20	0.20	0.03	0.05	0.06			
	1.9	C1-12	S27.2	C	Commercial, Industrial	69	50	86	1.69	1.67	1.66	1.62	1.55	1.46		0.10	0.25	0.06	0.10	0.11			
	2.5	C1-12	S27.2	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93		0.10	0.20	0.08	0.13	0.15			
	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		0.20	0.25	0.05	0.08	0.10			
	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		0.20	0.20	0.04	0.07	0.08			
	0.2	C1-13	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15		0.10	0.25	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		0.10	0.20	0.00	0.01	0.01			
	0.2	C1-13	S27.2	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10			
	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		0.20	0.25	0.37	0.61	0.73			
	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		0.20	0.20	0.37	0.61	0.73			
	1.7	C1-14	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30		0.10	0.25	0.05	0.09	0.10			
	1.3	C1-14	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01		0.10	0.20	0.04	0.07	0.08			
	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		0.20	0.25	0.18	0.30	0.36			
	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		0.20	0.20	0.13	0.21	0.25			
	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		0.50	0.25	0.56	0.93	1.11			
	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		0.50	0.20	0.90	1.50	1.80			
	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		0.20	0.25	0.02	0.04	0.05			
	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		0.90	0.20	0.08	0.14	0.16			
	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		0.50	0.25	1.02	1.70	2.04			
	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		0.50	0.20	2.87	4.78	5.73			
	0.4	C1-16	S27.2	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31		0.10	0.25	0.01	0.02	0.02			
	0.1	C1-16	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	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		0.90	0.25	0.19	0.32	0.38			
	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		0.50	0.25	1.34	2.23	2.67			
	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		0.50	0.20	1.11	1.85	2.22			
	0.1	C1-17	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.25	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		0.10	0.40	0.04	0.07	0.08			
	4.8	C1-17	S27.2	B	Commercial, Industrial	56	36	76	4.18	4.15	4.10	4.03	3.87	3.66		0.10	0.30	0.14	0.24	0.29			
	5.0	C1-17	S27.2	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84		0.10	0.25	0.15	0.25	0.30			
	3.7	C1-17	S27.2	D	Commercial, Industrial	75	57	91	3.32	3.30	3.26	3.19	3.05	2.86		0.10	0.20	0.11	0.19	0.22			
	5.0	C1-17	S27.2	D	Public Park	75	57	91	2.64	2.52	2.35	2.07	1.55	1.07		0.85	0.20	1.28	2.13	2.55			
	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		0.20	0.25	0.24	0.40	0.48			
	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		0.20	0.20	0.76	1.27	1.52			
	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		0.90	0.30	0.30	0.50	0.59			
	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		0.90	0.25	0.41	0.68	0.81			
	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		0.90	0.20	0.68	1.13	1.35			
	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		0.50	0.30	0.02	0.03	0.03			
	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		0.50	0.25	0.68	1.13	1.35			
	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		0.50	0.20	0.21	0.35	0.42			
	2.2	C1-17	S27.2	B	School	56	36	76	1.07	1.03	0.98	0.91	0.81	0.75		0.60	0.30	0.40	0.66	0.79			
	6.8	C1-17	S27.2	C	School	69	50	86	4.03	3.90	3.73	3.44	2.93	2.47		0.60	0.25	1.22	2.04	2.45			
	7.9	C1-17	S27.2	D	School	75	57	91	5.15	5.00	4.80	4.45	3.81	3.16		0.60	0.20	1.42	2.37	2.84			
	0.1	C1-2	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	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		0.20	0.20	0.26	0.43	0.52			
	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		0.20	0.25	0.17	0.28	0.34			
	0.1	C1-21	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	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		0.20	0.25	0.38	0.63	0.76			
	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		0.20	0.20	0.01	0.02	0.02			
	0.7	C1-21	S27.2	C	School	69	50	86	0.41	0.40	0.38	0.35	0.30	0.25		0.60	0.25	0.13	0.21	0.25			
	0.1	C1-22	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.25	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		0.85	0.25	0.51	0.85	1.02			
	2.1	C1-22	S27.2	D	Public Park	75	57	91	1.11	1.06	0.99	0.87	0.65	0.45		0.85	0.20	0.54	0.89	1.07			
	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		0.20	0.25	0.34	0.56	0.67			
	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		0.20	0.20	0.05	0.09	0.11			
	3.1	C1-22	S27.2	C	School	69	50	86	1.84	1.78	1.70	1.57	1.34	1.13		0.60	0.25	0.56	0.93	1.12			
	0.3	C1-22	S27.2	D	School	75	57	91	0.20	0.19	0.18	0.17	0.14	0.12		0.60	0.20	0.05	0.09	0.11			
	1.1	C1-23	S27.2	C	Commercial, Industrial	69	50	86	0.98	0.97	0.96	0.94	0.90	0.84		0.10	0.25	0.03	0.06	0.07			
	1.1	C1-23	S27.2	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85		0.10	0.20	0.03	0.06	0.07			
	3.1	C1-23	S27.2	C	Public Park	69	50	86	1.38	1.30	1.20	1.03	0.74	0.50		0.85	0.25	0.79	1.32	1.58			
	2.6	C1-23	S27.2	D	Public Park	75	57	91	1.37	1.31	1.22	1.08	0.81	0.55		0.85	0.20	0.66	1.11	1.33			
	4.8	C1-23	S27.2	C	Residential 10+ dwellings/acre	69	50	86	3.98	3.93	3.87	3.76	3.55	3.30		0.20	0.25	0.29	0.48	0.58			
	3.4	C1-23	S27.2	D	Residential 10+ dwellings/acre	75	57	91	2.89	2.85	2.81	2.73	2.57	2.38		0.20	0.20	0.20	0.34	0.41			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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	100											
						AMC			P ₂₄ (Inches)																	
						II	I	III							AMC 1/AMCII				5.63							
	0.1	C1-4	S27.2	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05						
	1.0	C1-5	S27.2	C	Commercial, Industrial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77		0.10	0.25	0.03	0.05	0.06						
	0.9	C1-5	S27.2	D	Commercial, Industrial	75	57	91	0.81	0.80	0.79	0.78	0.74	0.70		0.10	0.20	0.03	0.05	0.05						
	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		0.20	0.25	0.04	0.06	0.07						
	0.1	C1-5	S27.2	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01						
	0.1	C1-5	S27.2	C	School	69	50	86	0.06	0.06	0.05	0.05	0.04	0.04		0.60	0.25	0.02	0.03	0.04						
	0.5	C1-5	S27.2	D	School	75	57	91	0.33	0.32	0.30	0.28	0.24	0.20		0.60	0.20	0.09	0.15	0.18						
	1.7	C1-6	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30		0.10	0.25	0.05	0.09	0.10						
	4.4	C1-6	S27.2	D	Commercial, Industrial	75	57	91	3.95	3.92	3.88	3.80	3.63	3.40		0.10	0.20	0.13	0.22	0.26						
	0.6	C1-6	S27.2	C	Residential 10+ dwellings/acre	69	50	86	0.50	0.49	0.48	0.47	0.44	0.41		0.20	0.25	0.04	0.06	0.07						
	1.3	C1-6	S27.2	D	Residential 10+ dwellings/acre	75	57	91	1.10	1.09	1.07	1.04	0.98	0.91		0.20	0.20	0.08	0.13	0.16						
	2.8	C1-6	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.66	1.60	1.53	1.41	1.21	1.02		0.60	0.25	0.50	0.84	1.01						
	7.1	C1-6	S27.2	D	Residential 3-4 dwellings/acre	75	57	91	4.63	4.49	4.32	4.00	3.42	2.84		0.60	0.20	1.28	2.13	2.56						
	3.3	C1-7	S27.2	C	Commercial, Industrial	69	50	86	2.93	2.91	2.88	2.82	2.69	2.53		0.10	0.25	0.10	0.17	0.20						
	0.4	C1-7	S27.2	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31		0.10	0.20	0.01	0.02	0.02						
	0.1	C1-7	S27.2	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05						
	0.2	C1-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	0.13	0.13	0.12	0.11	0.10	0.09		0.50	0.25	0.03	0.05	0.06						
	712.6				Low Loss Fraction (1-Y) =				0.239	0.252	0.268	0.297	0.352	0.412	1.000		F _m =	0.100	0.167	0.201	0.000					

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
II	I	III					AMC 1/AMCII																
	0.1	OC2-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.06	0.05	0.05	0.02	0.01	0.00		1.00	0.25	0.03	0.05	0.06			
	1.3	OC2-1	S27.2	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.14	0.05	0.00		1.00	0.25	0.39	0.65	0.78			
	0.1	OC2-1	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
	0.1	OC2-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.07	0.06	0.06	0.03	0.02	0.01		1.00	0.20	0.03	0.05	0.06			
	1.7	OC2-2	S27.2	C	Open Brush, Fair	77	59	92	0.83	0.79	0.72	0.18	0.06	0.00		1.00	0.25	0.51	0.85	1.02			
	0.1	OC2-2	S27.2	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
	3.7	OC2-3	S27.2	C	Open Brush, Fair	77	59	92	1.81	1.71	1.57	0.40	0.13	0.00		1.00	0.25	1.11	1.85	2.22			
	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		0.90	0.25	0.32	0.54	0.65			
	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		0.60	0.25	0.22	0.36	0.43			
	0.3	OC2-3	S27.2	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18			
	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		0.40	0.25	0.14	0.24	0.29			
	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		0.90	0.20	0.14	0.23	0.27			
	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		0.60	0.20	0.04	0.06	0.07			
	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		0.90	0.25	0.24	0.41	0.49			
	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		0.90	0.20	0.08	0.14	0.16			
	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		0.60	0.20	0.02	0.03	0.04			
	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		0.50	0.25	0.02	0.03	0.03			
	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		0.50	0.20	0.05	0.08	0.09			
	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		0.90	0.25	0.54	0.90	1.08			
	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		0.90	0.20	0.11	0.18	0.22			
	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		0.50	0.25	0.06	0.10	0.12			
	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		0.50	0.20	0.05	0.08	0.09			
	0.1	C2-13	S27.2	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.25	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		0.10	0.25	0.05	0.08	0.09			
	0.1	C2-13	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	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		0.90	0.25	0.76	1.26	1.51			
	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		0.90	0.20	0.27	0.45	0.54			
	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		0.50	0.25	0.03	0.05	0.06			
	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		0.50	0.20	0.02	0.03	0.03			
	0.9	C2-14	S27.2	C	Commercial, Industrial	69	50	86	0.80	0.79	0.78	0.77	0.73	0.69		0.10	0.25	0.03	0.05	0.05			
	0.6	C2-14	S27.2	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46		0.10	0.20	0.02	0.03	0.04			
	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		0.50	0.25	0.95	1.58	1.89			
	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		0.50	0.20	0.56	0.93	1.11			
	1.6	C2-15	S27.2	C	Apartments	69	50	86	1.33	1.31	1.29	1.25	1.18	1.10		0.20	0.25	0.10	0.16	0.19			
	10.9	C2-15	S27.2	D	Apartments	75	57	91	9.25	9.15	9.01	8.76	8.24	7.61		0.20	0.20	0.65	1.09	1.31			
	1.3	C2-15	S27.2	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08			
	1.3	C2-15	S27.2	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01		0.10	0.20	0.04	0.07	0.08			
	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		0.20	0.25	0.07	0.11	0.13			
	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		0.20	0.20	0.42	0.70	0.84			
	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		0.60	0.20	0.07	0.12	0.14			
	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		0.50	0.25	0.74	1.23	1.47			
	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		0.50	0.20	1.40	2.33	2.79			
	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		0.40	0.25	0.04	0.06	0.07			
	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		0.40	0.20	0.01	0.02	0.02			
	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		0.60	0.25	0.59	0.99	1.19			
	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		0.40	0.25	0.53	0.88	1.06			
	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		0.90	0.20	0.19	0.32	0.38			
	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		0.60	0.20	0.04	0.06	0.07			
	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		0.90	0.20	0.35	0.59	0.70			
	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		0.60	0.20	0.09	0.15	0.18			
	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		0.90	0.30	0.22	0.36	0.43			
	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		0.90	0.25	0.32	0.54	0.65			
	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		0.90	0.20	0.05	0.09	0.11			
	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		0.60	0.30	0.07	0.12	0.14			
	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		0.60	0.25	0.31	0.51	0.61			
	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		0.60	0.20	0.02	0.03	0.04			
	0.8	C2-23	S27.2	C	Apartments	69	50	86	0.66	0.66	0.65	0.63	0.59	0.55		0.20	0.25	0.05	0.08	0.10			
	0.4	C2-23	S27.2	D	Apartments	75	57	91	0.34	0.34	0.33	0.32	0.30	0.28		0.20	0.20	0.02	0.04	0.05			
	0.9	C2-23	S27.2	B	Public Park	56	36	76	0.26	0.24	0.22	0.18	0.13	0.11		0.85	0.30	0.23	0.38	0.46			
	0.4	C2-23	S27.2	C	Public Park	69	50	86	0.18	0.17	0.15	0.13	0.10	0.06		0.85	0.25	0.10	0.17	0.20			
	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		0.90	0.30	0.03	0.05	0.05			
	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		0.90	0.25	0.19	0.32	0.38			
	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		0.60	0.30	0.59	0.99	1.19			
	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		0.60	0.25	0.38	0.63	0.76			
	3.7	C2-24	S27.2	C	Apartments	69	50	86	3.07	3.03	2.99	2.90	2.73	2.54		0.20	0.25	0.22	0.37	0.44			
	6.8	C2-24	S27.2	D	Apartments	75	57	91	5.77	5.71	5.62	5.46	5.14	4.75		0.20	0.20	0.41	0.68	0.82			
	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		0.20	0.25	0.04	0.07	0.08			
	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		0.20	0.20	0.16	0.26	0.31			
	2.2	C2-24	S27.2	C	Residential 3-4 dwellings/acre	69	50	86	1.30	1.26	1.21	1.11											

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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	100								
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III							AMC 1/AMCII								
																					HC	All	
	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		0.50	0.20	0.20	0.33	0.39			
	1.7	C2-25	S27.2	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30		0.10	0.25	0.05	0.09	0.10			
	2.9	C2-25	S27.2	D	Commercial, Industrial	75	57	91	2.60	2.58	2.56	2.50	2.39	2.24		0.10	0.20	0.09	0.15	0.17			
	3.6	C2-25	S27.2	D	Public Park	75	57	91	1.90	1.81	1.70	1.49	1.12	0.77		0.85	0.20	0.92	1.53	1.84			
	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		0.20	0.25	0.27	0.45	0.54			
	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		0.20	0.20	0.27	0.45	0.54			
	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		0.90	0.20	0.03	0.05	0.05			
	0.8	C2-25	S27.2	C	Residential 8-10 dwellings/acre	69	50	86	0.57	0.56	0.54	0.52	0.47	0.42		0.40	0.25	0.10	0.16	0.19			
	0.2	C2-25	S27.2	D	Residential 8-10 dwellings/acre	75	57	91	0.15	0.15	0.14	0.14	0.12	0.11		0.40	0.20	0.02	0.04	0.05			
	0.7	C2-26	S27.2	A	Public Park	32	17	52	0.10	0.10	0.10	0.10	0.09	0.09		0.85	0.40	0.18	0.30	0.36			
	8.9	C2-26	S27.2	B	Public Park	56	36	76	2.60	2.40	2.17	1.80	1.32	1.13		0.85	0.30	2.27	3.78	4.54			
	1.2	C2-26	S27.2	C	Public Park	69	50	86	0.53	0.50	0.46	0.40	0.29	0.19		0.85	0.25	0.31	0.51	0.61			
	3.7	C2-26	S27.2	D	Public Park	75	57	91	1.96	1.86	1.74	1.53	1.15	0.79		0.85	0.20	0.94	1.57	1.89			
	7.4	C2-27	S27.2	A	Apartments	32	17	52	5.61	5.58	5.55	5.47	5.29	5.02		0.20	0.40	0.44	0.74	0.89			
	15.0	C2-27	S27.2	B	Apartments	56	36	76	11.90	11.77	11.60	11.31	10.77	10.18		0.20	0.30	0.90	1.50	1.80			
	5.8	C2-27	S27.2	C	Apartments	69	50	86	4.81	4.75	4.68	4.55	4.29	3.98		0.20	0.25	0.35	0.58	0.70			
	2.5	C2-27	S27.2	D	Apartments	75	57	91	2.12	2.10	2.07	2.01	1.89	1.75		0.20	0.20	0.15	0.25	0.30			
	9.1	C2-27	S27.2	A	Commercial, Industrial	32	17	52	7.76	7.72	7.67	7.56	7.31	6.94		0.10	0.40	0.27	0.46	0.55			
	1.5	C2-27	S27.2	B	Commercial, Industrial	56	36	76	1.31	1.30	1.28	1.26	1.21	1.14		0.10	0.30	0.05	0.08	0.09			
	0.5	C2-27	S27.2	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38		0.10	0.25	0.02	0.03	0.03			
	0.4	C2-27	S27.2	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31		0.10	0.20	0.01	0.02	0.02			
	0.1	C2-3	S27.2	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06			
	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		0.90	0.25	0.54	0.90	1.08			
	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		0.60	0.25	1.58	2.64	3.17			
	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		0.40	0.30	0.01	0.02	0.02			
	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		0.40	0.25	0.59	0.98	1.18			
	0.1	C2-4	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	0.1	C2-4	S27.2	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	0.1	C2-4	S27.2	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06			
	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		0.90	0.25	1.32	2.21	2.65			
	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		0.90	0.20	0.41	0.68	0.81			
	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		0.60	0.25	0.18	0.30	0.36			
	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		0.50	0.25	1.32	2.20	2.64			
	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		0.50	0.20	0.63	1.05	1.26			
	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		0.40	0.25	0.13	0.22	0.26			
	0.1	C2-5	S27.2	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01			
	1.8	C2-5	S27.2	C	Public Park	69	50	86	0.80	0.75	0.70	0.60	0.43	0.29		0.85	0.25	0.46	0.77	0.92			
	0.4	C2-5	S27.2	D	Public Park	75	57	91	0.21	0.20	0.19	0.17	0.12	0.09		0.85	0.20	0.10	0.17	0.20			
	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		0.90	0.25	0.49	0.81	0.97			
	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		0.90	0.20	0.76	1.26	1.51			
	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		0.50	0.25	0.92	1.53	1.83			
	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		0.50	0.20	1.68	2.80	3.36			
	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		0.40	0.25	0.94	1.56	1.87			
	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		0.40	0.20	0.17	0.28	0.34			
	5.5	C2-6	S27.2	C	Commercial, Industrial	69	50	86	4.89	4.85	4.79	4.70	4.49	4.22		0.10	0.25	0.17	0.28	0.33			
	1.9	C2-6	S27.2	D	Commercial, Industrial	75	57	91	1.71	1.69	1.68	1.64	1.57	1.47		0.10	0.20	0.06	0.10	0.11			
	2.5	C2-6	S27.2	C	Public Park	69	50	86	1.11	1.05	0.97	0.83	0.60	0.40		0.85	0.25	0.64	1.06	1.28			
	0.9	C2-6	S27.2	D	Public Park	75	57	91	0.48	0.45	0.42	0.37	0.28	0.19		0.85	0.20	0.23	0.38	0.46			
	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		0.20	0.25	2.18	3.64	4.37			
	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		0.20	0.20	0.82	1.36	1.63			
	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		0.90	0.25	1.27	2.12	2.54			
	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		0.90	0.20	0.57	0.95	1.13			
	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		0.60	0.25	0.02	0.03	0.04			
	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		0.50	0.25	0.05	0.08	0.09			
	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		0.50	0.20	0.02	0.03	0.03			
	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		0.40	0.30	0.01	0.02	0.02			
	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		0.40	0.25	1.12	1.86	2.23			
	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		0.40	0.20	0.11	0.18	0.22			
	0.3	C2-7	S27.2	D	Apartments	75	57	91	0.25	0.25													

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 300 to 12800 (PA3 Line C)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III				AMC I/AMCII											
	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		0.60	0.25	2.57	4.29	5.15			
	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		0.60	0.20	2.75	4.59	5.51			
	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		0.50	0.40	0.06	0.10	0.12			
	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		0.50	0.30	0.23	0.38	0.45			
	5.1	C2-7	S27.2	C	Residential 5-7 dwellings/acre	69	50	86	3.32	3.24	3.12	2.93	2.59	2.27		0.50	0.25	0.77	1.28	1.53			
	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		0.50	0.20	0.14	0.23	0.27			
	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		0.40	0.30	0.42	0.70	0.84			
	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		0.40	0.25	1.01	1.68	2.02			
	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		0.40	0.20	0.34	0.56	0.67			
	0.6	C2-7	S27.2	B	School	56	36	76	0.29	0.28	0.27	0.25	0.22	0.20		0.60	0.30	0.11	0.18	0.22			
	1.5	C2-7	S27.2	C	School	69	50	86	0.89	0.86	0.82	0.76	0.65	0.55		0.60	0.25	0.27	0.45	0.54			
	3.5	C2-7	S27.2	D	School	75	57	91	2.28	2.22	2.13	1.97	1.69	1.40		0.60	0.20	0.63	1.05	1.26			
	0.7	C2-8	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53		0.10	0.30	0.02	0.04	0.04			
	0.2	C2-8	S27.2	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15		0.10	0.25	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		0.10	0.20	0.01	0.02	0.02			
	5.7	C2-8	S27.2	B	Public Park	56	36	76	1.66	1.54	1.39	1.15	0.85	0.73		0.85	0.30	1.45	2.42	2.91			
	4.5	C2-8	S27.2	C	Public Park	69	50	86	2.00	1.89	1.74	1.49	1.07	0.73		0.85	0.25	1.15	1.91	2.30			
	9.4	C2-8	S27.2	D	Public Park	75	57	91	4.97	4.74	4.43	3.89	2.92	2.00		0.85	0.20	2.40	4.00	4.79			
	462.5				Low Loss Fraction (1-Y) =				0.311	0.326	0.346	0.385	0.447	0.508	1.000		F _m =	0.135	0.225	0.270	0.000		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 390 to 12800 (PA3 Line C Offsite)

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			P ₂₄ (Inches)							HC									
						II	I	III																	
						AMC 1/AMCII										5.63									
	0.2	OC1-1	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.11	0.11	0.10	0.03	0.01	0.00		1.00	0.25	0.06	0.10	0.12					
	1.2	OC1-1	S27.2	C	Open Brush, Fair	77	59	92	0.59	0.56	0.51	0.13	0.04	0.00		1.00	0.25	0.36	0.60	0.72					
	1.7	OC1-2	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	0.96	0.92	0.86	0.28	0.13	0.02		1.00	0.25	0.51	0.85	1.02					
	0.6	OC1-2	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	0.40	0.39	0.37	0.16	0.09	0.04		1.00	0.20	0.18	0.30	0.36					
	1.4	OC1-3	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.64	0.60	0.54	0.12	0.03	0.00		1.00	0.25	0.42	0.70	0.84					
	0.4	OC1-3	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.20	0.07	0.03	0.01		1.00	0.20	0.12	0.20	0.24					
	8.4	OC1-3	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	4.75	4.53	4.24	1.38	0.62	0.11		1.00	0.25	2.52	4.20	5.04					
	9.2	OC1-3	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	6.13	5.93	5.65	2.45	1.44	0.58		1.00	0.20	2.76	4.60	5.52					
	2.7	OC1-3	S27.2	C	Open Brush, Fair	77	59	92	1.32	1.25	1.15	0.29	0.10	0.00		1.00	0.25	0.81	1.35	1.62					
	0.6	OC1-3	S27.2	D	Open Brush, Fair	83	67	96	0.36	0.35	0.33	0.12	0.06	0.02		1.00	0.20	0.18	0.30	0.36					
	1.6	OC1-4	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.73	0.68	0.62	0.13	0.03	0.00		1.00	0.25	0.48	0.80	0.96					
	1.0	OC1-4	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.57	0.54	0.50	0.16	0.07	0.01		1.00	0.20	0.30	0.50	0.60					
	5.5	OC1-4	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.11	2.97	2.77	0.90	0.41	0.07		1.00	0.25	1.65	2.75	3.30					
	6.8	OC1-4	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	4.53	4.38	4.17	1.81	1.07	0.43		1.00	0.20	2.04	3.40	4.08					
	1.8	OC1-4	S27.2	C	Open Brush, Fair	77	59	92	0.88	0.83	0.77	0.19	0.06	0.00		1.00	0.25	0.54	0.90	1.08					
	2.5	OC1-4	S27.2	D	Open Brush, Fair	83	67	96	1.51	1.45	1.37	0.50	0.26	0.07		1.00	0.20	0.75	1.25	1.50					
	0.6	OC1-4	S27.2	C	Woodland, Grass, Fair	77	59	92	0.29	0.28	0.26	0.06	0.02	0.00		1.00	0.25	0.18	0.30	0.36					
	0.1	OC1-4	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06					
	6.3	OC1-5	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	2.87	2.69	2.45	0.53	0.14	0.00		1.00	0.25	1.89	3.15	3.78					
	0.2	OC1-5	S27.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.11	0.11	0.10	0.03	0.01	0.00		1.00	0.20	0.06	0.10	0.12					
	5.9	OC1-5	S27.2	C	Chaparral, Narrowleaf, Fair	81	64	95	3.34	3.18	2.97	0.97	0.44	0.08		1.00	0.25	1.77	2.95	3.54					
	12.7	OC1-5	S27.2	D	Chaparral, Narrowleaf, Fair	86	72	97	8.47	8.18	7.79	3.38	1.99	0.80		1.00	0.20	3.81	6.35	7.62					
	6.8	OC1-5	S27.2	C	Open Brush, Fair	77	59	92	3.34	3.15	2.89	0.73	0.24	0.00		1.00	0.25	2.04	3.40	4.08					
	3.2	OC1-5	S27.2	D	Open Brush, Fair	83	67	96	1.94	1.86	1.75	0.64	0.33	0.09		1.00	0.20	0.96	1.60	1.92					
	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		0.90	0.25	0.27	0.45	0.54					
	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		0.90	0.20	0.73	1.22	1.46					
	0.5	OC1-5	S27.2	C	Woodland, Grass, Fair	77	59	92	0.25	0.23	0.21	0.05	0.02	0.00		1.00	0.25	0.15	0.25	0.30					
	0.1	OC1-5	S27.2	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06					
	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		1.00	0.40	0.15	0.25	0.30					
	0.6	OC1-6	S27.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.27	0.26	0.23	0.05	0.01	0.00		1.00	0.25	0.18	0.30	0.36					
	1.5	OC1-6	S27.2	A	Commercial, Industrial	32	17	52	1.28	1.27	1.26	1.25	1.21	1.14		0.10	0.40	0.05	0.08	0.09					
	0.7	OC1-6	S27.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53		0.10	0.30	0.02	0.04	0.04					
	1.6	OC1-6	S27.2	C	Commercial, Industrial	69	50	86	1.42	1.41	1.39	1.37	1.31	1.23		0.10	0.25	0.05	0.08	0.10					
	1.1	OC1-6	S27.2	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85		0.10	0.20	0.03	0.06	0.07					
	0.1	OC1-6	S27.2	A	Public Park	32	17	52	0.01	0.01	0.01	0.01	0.01	0.01		0.85	0.40	0.03	0.04	0.05					
	3.8	OC1-6	S27.2	C	Public Park	69	50	86	1.69	1.59	1.47	1.26	0.91	0.61		0.85	0.25	0.97	1.62	1.94					
	2.5	OC1-6	S27.2	D	Public Park	75	57	91	1.32	1.26	1.18	1.03	0.78	0.53		0.85	0.20	0.64	1.06	1.28					
	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		0.40	0.25	0.01	0.02	0.02					
	1.4	OC1-6	S27.2	A	Grass, Annual or Perennial, Fair	50	31	70	0.15	0.13	0.09	0.00	0.00	0.00		1.00	0.40	0.42	0.70	0.84					
	2.8	OC1-6	S27.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.48	1.40	1.30	0.37	0.15	0.01		1.00	0.25	0.84	1.40	1.68					
	0.1	OC1-6	S27.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.06	0.06	0.06	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06					
	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		1.00	0.40	0.12	0.20	0.24					
	0.3	OC1-6	S27.2	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.00	0.00	0.00		1.00	0.30	0.09	0.15	0.18					
	3.4	OC1-6	S27.2	C	Open Brush, Fair	77	59	92	1.67	1.57	1.45	0.37	0.12	0.00		1.00	0.25	1.02	1.70	2.04					
	0.8	OC1-6	S27.2	D	Open Brush, Fair	83	67	96	0.48	0.46	0.44	0.16	0.08	0.02		1.00	0.20	0.24	0.40	0.48					
	2.4	OC1-6	S27.2	A	Residential 2.5 acre lots	32	17	52	0.23	0.23	0.23	0.22	0.21	0.20		0.90	0.40	0.65	1.08	1.30					
	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		0.90	0.30	0.19	0.32	0.38					
	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		0.90	0.25	0.95	1.58	1.89					
	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		0.90	0.20	0.30	0.50	0.59					
	0.2	OC1-6	S27.2	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12					
	1.9	OC1-6	S27.2	C	Woodland, Grass, Fair	77	59	92	0.93	0.88	0.81	0.20	0.07	0.00		1.00	0.25	0.57	0.95	1.14					
	117.2					Low Loss Fraction (1-Y) =			0.451	0.475	0.507	0.778	0.863	0.925	1.000		F _m =	0.283	0.472	0.566	0.000				

RANCHO MISSION VIEJO
PA-3&4 (Ultimate Conditions)
Unit Hydrograph Method Loss Rate Parameter Development - Node 12710 to 12800

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 12710 to 12800

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													EV				
							100 50 25 10 5 2 100													5.63				
							P ₂₄ (Inches)													AMC 1/AMCII				
							AMC																	
II	I	III														5.63								

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 50220 to HZ50347 (PA5 Line XX)

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	100													
						AMC		P ₂₄ (Inches)						5.63											
II	I	III					AMC 1/AMCII																		
PA5 Line XX	6.20		S29.1	C	Chaparral, Broadleaf, Fair	75	57	91	2.82	2.64	2.41	0.52	0.13	0.00		1.00	0.25	1.86	3.10	3.72					
PA5 Line XX	0.40		S29.1	D	Chaparral, Broadleaf, Fair	81	64	95	0.23	0.22	0.20	0.07	0.03	0.01		1.00	0.20	0.12	0.20	0.24					
PA5 Line XX	0.30		S29.1	A	Commercial, Industrial	32	17	52	0.26	0.25	0.25	0.05	0.24	0.23		0.10	0.40	0.01	0.02	0.02					
PA5 Line XX	5.30		S29.1	B	Commercial, Industrial	56	36	76	4.61	4.58	4.53	4.44	4.27	4.04		0.10	0.30	0.16	0.27	0.32					
PA5 Line XX	23.30		S29.1	C	Commercial, Industrial	69	50	86	20.70	20.53	20.31	19.89	19.01	17.88		0.10	0.25	0.70	1.17	1.40					
PA5 Line XX	2.60		S29.1	D	Commercial, Industrial	75	57	91	2.34	2.32	2.29	2.25	2.14	2.01		0.10	0.20	0.08	0.13	0.16					
PA5 Line XX	8.20		S29.1	B	Grass, Annual or Perennial, Fair	69	50	86	2.91	2.68	2.37	0.25	0.00	0.00		1.00	0.30	2.46	4.10	4.92					
PA5 Line XX	37.40		S29.1	C	Grass, Annual or Perennial, Fair	79	62	93	19.73	18.71	17.35	4.98	1.95	0.17		1.00	0.25	11.22	18.70	22.44					
PA5 Line XX	21.60		S29.1	D	Grass, Annual or Perennial, Fair	84	69	96	13.51	12.99	12.28	4.76	2.56	0.81		1.00	0.20	6.48	10.80	12.96					
PA5 Line XX	0.20		S29.1	B	Open Brush, Fair	66	46	84	0.06	0.06	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12					
PA5 Line XX	32.30		S29.1	C	Open Brush, Fair	77	59	92	15.84	14.94	13.74	3.47	1.14	0.02		1.00	0.25	9.69	16.15	19.38					
PA5 Line XX	1.60		S29.1	D	Open Brush, Fair	83	67	96	0.97	0.93	0.87	0.32	0.16	0.04		1.00	0.20	0.48	0.80	0.96					
PA5 Line XX	21.60		S29.1	A	Public Park	32	17	52	3.08	3.06	3.11	2.99	2.89	2.75		0.85	0.40	5.51	9.18	11.02					
PA5 Line XX	32.10		S29.1	B	Public Park	56	36	76	9.37	8.67	7.82	6.50	4.76	4.08		0.85	0.30	8.19	13.64	16.37					
PA5 Line XX	136.90		S29.1	C	Public Park	69	50	86	60.81	57.36	52.86	45.30	32.67	22.12		0.85	0.25	34.91	58.18	69.82					
PA5 Line XX	9.40		S29.1	D	Public Park	75	57	91	4.97	4.74	4.43	3.89	2.92	2.00		0.85	0.20	2.40	4.00	4.79					
PA5 Line XX	268.30		S29.1	C	Residential 1 acre lots	69	50	86	127.11	120.68	112.28	98.14	74.36	54.18		0.80	0.25	64.39	107.32	128.78					
PA5 Line XX	67.40		S29.1	D	Residential 1 acre lots	75	57	91	37.30	35.71	33.59	29.90	23.26	16.88		0.80	0.20	16.18	26.96	32.35					
PA5 Line XX	1.30		S29.1	B	Residential 2 dwellings/acre	56	36	76	0.53	0.51	0.48	0.43	0.36	0.33		0.70	0.30	0.27	0.46	0.55					
PA5 Line XX	77.00		S29.1	C	Residential 2 dwellings/acre	69	50	86	41.04	39.38	37.21	33.53	27.27	21.77		0.70	0.25	16.17	26.95	32.34					
PA5 Line XX	28.80		S29.1	D	Residential 2 dwellings/acre	75	57	91	17.36	16.75	15.93	14.50	11.91	9.37		0.70	0.20	6.05	10.08	12.10					
PA5 Line XX	20.00		S29.1	B	Residential 3-4 dwellings/acre	56	36	76	9.69	9.36	8.95	8.29	7.35	6.78		0.60	0.30	3.60	6.00	7.20					
PA5 Line XX	159.90		S29.1	C	Residential 3-4 dwellings/acre	69	50	86	94.69	91.64	87.62	80.78	68.94	58.12		0.60	0.25	28.78	47.97	57.56					
PA5 Line XX	13.90		S29.1	D	Residential 3-4 dwellings/acre	75	57	91	9.06	8.80	8.45	7.83	6.70	5.56		0.60	0.20	2.50	4.17	5.00					
PA5 Line XX	8.30		S29.1	B	Residential 5-7 dwellings/acre	56	36	76	4.66	4.54	4.39	4.15	3.78	3.52		0.50	0.30	1.25	2.08	2.49					
PA5 Line XX	37.00		S29.1	C	Residential 5-7 dwellings/acre	69	50	86	24.10	23.48	22.67	21.27	18.80	16.44		0.50	0.25	5.55	9.25	11.10					
PA5 Line XX	4.20		S29.1	D	Residential 5-7 dwellings/acre	75	57	91	2.94	2.88	2.78	2.62	2.31	1.99		0.50	0.20	0.63	1.05	1.26					
PA5 Line XX	1.30		S29.1	A	Residential 8-10 dwellings/acre	32	17	52	0.74	0.74	0.73	0.72	0.70	0.66		0.40	0.40	0.16	0.26	0.31					
PA5 Line XX	11.30		S29.1	B	Residential 8-10 dwellings/acre	56	36	76	7.22	7.08	6.90	6.60	6.13	5.75		0.40	0.30	1.36	2.26	2.71					
PA5 Line XX	54.80		S29.1	C	Residential 8-10 dwellings/acre	69	50	86	38.94	38.16	37.12	35.33	32.06	28.77		0.40	0.25	6.58	10.96	13.15					
PA5 Line XX	15.40		S29.1	D	Residential 8-10 dwellings/acre	75	57	91	11.56	11.34	11.05	10.53	9.53	8.46		0.40	0.20	1.85	3.08	3.70					
PA5 Line XX	0.50		S29.1	B	Woodland, Grass, Fair	65	45	83	0.15	0.13	0.12	0.00	0.00	0.00		1.00	0.30	0.15	0.25	0.30					
PA5 Line XX	8.40		S29.1	C	Woodland, Grass, Fair	77	59	92	4.12	3.89	3.57	0.90	0.30	0.00		1.00	0.25	2.52	4.20	5.04					
PA5 Line XX	3.50		S29.1	D	Woodland, Grass, Fair	82	66	95	2.05	1.96	1.84	0.64	0.31	0.07		1.00	0.20	1.05	1.75	2.10					
	1120.70					Low Loss Fraction (1-Y) =								0.469	0.490	0.518	0.593	0.671	0.737	1.000	F _m =	0.217	0.362	0.434	0.000

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 50400 to 12904

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III															
12903.00	0.22	P504XX	S29.2	B	Barren	86	72	97	0.15	0.14	0.14	0.06	0.03	0.01		1.00	0.30	0.07	0.11	0.13			
12903.00	4.49	P504XX	S29.2	C	Barren	91	80	98	3.49	3.41	3.31	1.87	1.33	0.78		1.00	0.25	1.35	2.25	2.69			
12903.00	0.02	P504XX	S29.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.30	0.01	0.01	0.01			
12903.00	1.01	P504XX	S29.2	C	Chaparral, Broadleaf, Fair	75	57	91	0.46	0.43	0.39	0.09	0.02	0.00		1.00	0.25	0.30	0.51	0.61			
12903.00	0.45	P504XX	S29.2	B	Commercial, Industrial	56	36	76	0.39	0.38	0.38	0.37	0.36	0.34		0.10	0.30	0.01	0.02	0.03			
12903.00	1.36	P504XX	S29.2	C	Commercial, Industrial	69	50	86	1.21	1.20	1.19	1.16	1.11	1.05		0.10	0.25	0.04	0.07	0.08			
12903.00	2.89	P504XX	S29.2	B	Grass, Annual or Perennial, Fair	69	50	86	1.03	0.94	0.83	0.09	0.00	0.00		1.00	0.30	0.87	1.44	1.73			
12903.00	20.30	P504XX	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	10.71	10.16	9.42	2.70	1.06	0.09		1.00	0.25	6.09	10.15	12.18			
12903.00	1.51	P504XX	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	0.95	0.91	0.86	0.33	0.18	0.06		1.00	0.20	0.45	0.76	0.91			
12903.00	1.47	P504XX	S29.2	D	Meadows or Cienegas, Fair	84	69	96	0.92	0.89	0.84	0.33	0.17	0.06		1.00	0.20	0.44	0.74	0.88			
12903.00	2.33	P504XX	S29.2	B	Open Brush, Fair	66	46	84	0.72	0.65	0.57	0.03	0.00	0.00		1.00	0.30	0.70	1.16	1.40			
12903.00	11.34	P504XX	S29.2	C	Open Brush, Fair	77	59	92	5.56	5.25	4.82	1.22	0.40	0.01		1.00	0.25	3.40	5.67	6.80			
12903.00	10.50	P504XX	S29.2	D	Open Brush, Fair	83	67	96	6.35	6.09	5.74	2.11	1.08	0.29		1.00	0.20	3.15	5.25	6.30			
12903.00	1.18	P504XX	S29.2	D	Public Park	75	57	91	0.62	0.59	0.56	0.49	0.37	0.25		0.85	0.20	0.30	0.50	0.60			
12903.00	0.42	P504XX	S29.2	B	Row Crops, Good	78	61	93	0.21	0.20	0.18	0.05	0.02	0.00		1.00	0.30	0.12	0.21	0.25			
12903.00	0.03	P504XX	S29.2	C	Row Crops, Good	85	70	97	0.02	0.02	0.02	0.01	0.00	0.00		1.00	0.25	0.01	0.02	0.02			
12903.00	2.22	P504XX	S29.2	B	Woodland, Grass, Fair	65	45	83	0.66	0.59	0.51	0.02	0.00	0.00		1.00	0.30	0.67	1.11	1.33			
12903.00	8.73	P504XX	S29.2	C	Woodland, Grass, Fair	77	59	92	4.28	4.04	3.71	0.94	0.31	0.00		1.00	0.25	2.62	4.37	5.24			
12903.00	0.22	P504XX	S29.2	D	Woodland, Grass, Fair	82	66	95	0.13	0.12	0.12	0.04	0.02	0.00		1.00	0.20	0.07	0.11	0.13			
	0.2	S29.2-1	S29.2	C	Commercial, Industrial	69	50	86	0.13	0.13	0.13	0.13	0.12	0.12		0.10	0.25	0.00	0.01	0.01			
	0.40	S29.2-1	S29.2	C	Residential 5-7 dwellings/acre	69	50	86	0.26	0.25	0.25	0.23	0.20	0.18		0.50	0.25	0.06	0.10	0.12			
	0.50	S29.2-1	S29.2	B	Residential 2.5 acre lots	56	36	76	0.13	0.12	0.10	0.08	0.05	0.04		0.90	0.30	0.14	0.23	0.27			
	0.60	S29.2-1	S29.2	B	Woodland, Grass, Fair	65	45	83	0.18	0.16	0.14	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.70	S29.2-1	S29.2	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53		0.10	0.30	0.02	0.04	0.04			
	0.70	S29.2-1	S29.2	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08		0.90	0.25	0.19	0.32	0.38			
	0.70	S29.2-1	S29.2	B	Public Park	56	36	76	0.20	0.19	0.17	0.14	0.10	0.09		0.85	0.30	0.18	0.30	0.36			
	1.00	S29.2-1	S29.2	C	Woodland, Grass, Fair	77	59	92	0.49	0.46	0.43	0.11	0.04	0.00		1.00	0.25	0.30	0.50	0.60			
	1.40	S29.2-1	S29.2	B	Open Brush, Fair	66	46	84	0.43	0.39	0.34	0.02	0.00	0.00		1.00	0.30	0.42	0.70	0.84			
	1.50	S29.2-1	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	0.79	0.75	0.70	0.20	0.08	0.01		1.00	0.25	0.45	0.75	0.90			
	1.70	S29.2-1	S29.2	A	Commercial, Industrial	32	17	52	1.45	1.44	1.43	1.41	1.37	1.30		0.10	0.40	0.05	0.09	0.10			
	2.90	S29.2-1	S29.2	C	Open Brush, Fair	77	59	92	1.42	1.34	1.23	0.31	0.10	0.00		1.00	0.25	0.87	1.45	1.74			
	3.60	S29.2-1	S29.2	A	Woodland, Grass, Fair	44	26	64	0.21	0.15	0.09	0.00	0.00	0.00		1.00	0.40	1.08	1.80	2.16			
	3.70	S29.2-1	S29.2	B	Residential 5-7 dwellings/acre	56	36	76	2.08	2.02	1.96	1.85	1.68	1.57		0.50	0.30	0.56	0.93	1.11			
	4.10	S29.2-1	S29.2	A	Residential 5-7 dwellings/acre	32	17	52	1.94	1.93	1.93	1.89	1.83	1.74		0.50	0.40	0.62	1.03	1.23			
	5.40	S29.2-1	S29.2	A	Residential 2.5 acre lots	32	17	52	0.51	0.51	0.53	0.50	0.48	0.46		0.90	0.40	1.46	2.43	2.92			
	6.70	S29.2-1	S29.2	A	Open Brush, Fair	46	28	66	0.49	0.38	0.25	0.00	0.00	0.00		1.00	0.40	2.01	3.35	4.02			
	12.00	S29.2-1	S29.2	A	Barren	78	61	93	6.11	5.78	5.33	1.44	0.52	0.02		1.00	0.40	3.60	6.00	7.20			
	12.90	S29.2-1	S29.2	A	Grass, Annual or Perennial, Fair	50	31	70	1.43	1.16	0.85	0.00	0.00	0.00		1.00	0.40	3.87	6.45	7.74			
	38.60	S29.2-1	S29.2	A	Public Park	32	17	52	5.51	5.47	5.56	5.35	5.17	4.91		0.85	0.40	9.84	16.41	19.69			
	0.10	S29.2.4	S29.2	C	Residential 2.5 acre lots	69	50	86	0.04	0.04	0.04	0.03	0.02	0.01		0.90	0.25	0.03	0.05	0.05			
	0.20	S29.2.4	S29.2	C	Woodland, Grass, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12			
	0.80	S29.2.4	S29.2	A	Woodland, Grass, Fair	44	26	64	0.05	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.24	0.40	0.48			
	1.20	S29.2.4	S29.2	C	Commercial, Industrial	69	50	86	1.07	1.06	1.05	1.02	0.98	0.92		0.10	0.25	0.04	0.06	0.07			
	1.50	S29.2.4	S29.2	A	Commercial, Industrial	32	17	52	1.28	1.27	1.26	1.25	1.21	1.14		0.10	0.40	0.05	0.08	0.09			
	3.00	S29.2.4	S29.2	D	Grass, Annual or Perennial, Fair	84	69	96	1.88	1.80	1.71	0.66	0.36	0.11		1.00	0.20	0.90	1.50	1.80			
	3.60	S29.2.4	S29.2	C	Grass, Annual or Perennial, Fair	79	62	93	1.90	1.80	1.67	0.48	0.19	0.02		1.00	0.25	1.08	1.80	2.16			
	15.10	S29.2.4	S29.2	A	Public Park	32	17	52	2.15	2.14	2.18	2.09	2.02	1.92		0.85	0.40	3.85	6.42	7.70			
	20.00	S29.2.4	S29.2	A	Grass, Annual or Perennial, Fair	50	31	70	2.21	1.80	1.31	0.00	0.00	0.00		1.00	0.40	6.00	10.00	12.00			
	14.30	G	S29.2	A	Commercial, Industrial	32	17	52	12.19	12.14	12.06	11.89	11.49	10.91		0.10	0.40	0.43	0.72	0.86			
	9.40	G	S29.2	A	Public Park	32	17	52	1.34	1.33	1.35	1.30	1.26	1.20		0.85	0.40	2.40	4.00	4.79			
12901.00	0.30	P503XX	S29.2.2	B	Chaparral, Broadleaf, Fair	63	43	81	0.08	0.07	0.06	0.00	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
12901.00	15.80	P503XX	S29.2.2	C	Chaparral, Broadleaf, Fair	75	57	91	7.19	6.74	6.14	1.33	0.34	0.00		1.00	0.25	4.74	7.90	9.48			
12901.00	0.67	P503XX	S29.2.2	D	Chaparral, Broadleaf, Fair	81	64	95	0.38	0.36	0.34	0.11	0.05	0.01		1.00	0.20	0.20	0.33	0.40			
12901.00	2.20	P503XX	S29.2.2	C	Commercial, Industrial	69	50	86	1.95	1.94	1.92	1.88	1.80	1.69		0.10	0.25	0.07	0.11	0.13			
12901.00	1.78	P503XX	S29.2.2	B	Grass, Annual or Perennial, Fair	69	50	86	0.63	0.58	0.51	0.05	0.00	0.00		1.00	0.30	0.53	0.89	1.07			
12901.00	19.60	P503XX	S29.2.2	C	Grass, Annual or Perennial, Fair	79	62	93	10.34	9.81	9.09	2.61	1.02	0.09		1.00	0.25	5.88	9.80	11.76			
12901.00	8.40	P503XX	S29.2.2	D	Grass, Annual or Perennial, Fair	84	69	96	5.25	5.05	4.77	1.85	0.99	0.31		1.00	0.20	2.52	4.20	5.04			
12901.00	10.90	P503XX	S29.2.2	B	Open Brush, Fair	66	46	84	3.37	3.06	2.67	0.14	0.00	0.00		1.00	0.30	3.27	5.45	6.54			
12901.00	39.55	P503XX	S29.2.2	C	Open Brush, Fair	77	59	92	19.40	18.30	16.83	4.25	1.39	0.02		1.00	0.25	11.87	19.78	23.73			
12901.00	19.10	P503XX	S29.2.2	D	Open Brush, Fair	83	67	96	11.56	11.08	10.44	3.83	1.96	0.53		1.00	0.20	5.73	9.55	11.46			
12901.00	18.40	P503XX	S29.2.2	D	Public Park	75	57	91	9.73	9.27	8.66	7.61	5.72	3.92		0.85	0.20	4.69	7.82	9.38			
12901.00	5.30	P503XX	S29.2.2	B	Woodland, Grass, Fair	65	45	83	1.56	1.41	1.22	0.05	0.00	0.00		1.00	0.30	1.59	2.65	3.18			
12901.00	34.70	P503XX	S29.2.2	C	Woodland, Grass, Fair	77	59	92	17.02	16.05	14.76	3.73	1.22	0.02		1.00	0.25	10.41	17.35	20.82			
12901.00	1.30	P503XX	S29.2.2	D	Woodland, Grass, Fair	82	66	95	0.76	0.73	0.68	0.24	0.11	0.03		1.00	0.20	0.39	0.65	0.78			
	417.1		Low Loss Fraction (1-Y) =						0.578	0.598	0.624	0.826	0.878	0.912	1.000		F _m =	0.272	0.454	0.545	0.000		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 200 to 12904 (PA3 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)															
						EV								HC										
						100	50	25	10	5	2	100												
						AMC			P ₂₄ (Inches)															
						II	I	III	AMC 1/AMCII					5.63										
	1.4	B-10	S29.3	B	Commercial, Industrial	56	36	76	1.22	1.21	1.20	1.17	1.13	1.07		0.10	0.30	0.04	0.07	0.08				
	1.1	B-10	S29.3	C	Commercial, Industrial	69	50	86	0.98	0.97	0.96	0.94	0.90	0.84		0.10	0.25	0.03	0.06	0.07				
	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		0.90	0.30	0.51	0.86	1.03				
	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		0.90	0.25	0.43	0.72	0.86				
	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		0.40	0.30	0.02	0.04	0.05				
	0.3	B-11	S29.3	B	Commercial, Industrial	56	36	76	0.26	0.26	0.26	0.25	0.24	0.23		0.10	0.30	0.01	0.02	0.02				
	0.6	B-11	S29.3	C	Commercial, Industrial	69	50	86	0.53	0.53	0.52	0.51	0.49	0.46		0.10	0.25	0.02	0.03	0.04				
	0.7	B-11	S29.3	D	Commercial, Industrial	75	57	91	0.63	0.62	0.62	0.60	0.58	0.54		0.10	0.20	0.02	0.04	0.04				
	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		0.90	0.30	0.11	0.18	0.22				
	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		0.90	0.25	0.22	0.36	0.43				
	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		0.90	0.20	0.11	0.18	0.22				
	1.0	B-12	S29.3	B	Commercial, Industrial	56	36	76	0.87	0.86	0.85	0.84	0.81	0.76		0.10	0.30	0.03	0.05	0.06				
	0.4	B-12	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31		0.10	0.25	0.01	0.02	0.02				
	2.2	B-12	S29.3	D	Commercial, Industrial	75	57	91	1.98	1.96	1.94	1.90	1.81	1.70		0.10	0.20	0.07	0.11	0.13				
	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		0.20	0.30	0.02	0.04	0.05				
	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		0.20	0.20	0.04	0.07	0.08				
	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		0.40	0.20	0.13	0.22	0.26				
	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		0.20	0.30	0.03	0.05	0.06				
	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		0.20	0.25	0.07	0.12	0.14				
	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		0.20	0.30	0.07	0.11	0.13				
	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		0.20	0.25	0.08	0.14	0.17				
	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		0.20	0.20	0.11	0.18	0.22				
	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		0.20	0.30	0.11	0.19	0.23				
	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		0.20	0.25	0.34	0.57	0.68				
	0.6	B-17	S29.3	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04				
	0.3	B-17	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.26	0.26	0.26	0.24	0.23		0.10	0.25	0.01	0.02	0.02				
	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		0.20	0.25	0.01	0.02	0.02				
	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		0.40	0.30	0.35	0.58	0.70				
	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		0.40	0.25	1.37	2.28	2.74				
	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		0.40	0.20	0.11	0.18	0.22				
	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		0.20	0.30	0.14	0.24	0.29				
	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		0.50	0.30	1.07	1.78	2.13				
	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		0.50	0.25	0.54	0.90	1.08				
	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		0.50	0.20	0.05	0.08	0.09				
	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		0.40	0.30	1.26	2.10	2.52				
	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		0.40	0.25	1.13	1.88	2.26				
	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		0.40	0.20	0.04	0.06	0.07				
	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		0.20	0.30	0.46	0.77	0.92				
	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		0.20	0.25	0.02	0.04	0.05				
	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		0.20	0.20	0.10	0.17	0.20				
	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		0.50	0.30	0.06	0.10	0.12				
	0.2	B-23	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15		0.10	0.25	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		0.10	0.20	0.07	0.12	0.14				
	1.2	B-23	S29.3	B	Public Park	56	36	76	0.35	0.32	0.29	0.24	0.18	0.15		0.85	0.30	0.31	0.51	0.61				
	1.7	B-23	S29.3	C	Public Park	69	50	86	0.76	0.71	0.66	0.56	0.41	0.27		0.85	0.25	0.43	0.72	0.87				
	8.5	B-23	S29.3	D	Public Park	75	57	91	4.49	4.28	4.00	3.52	2.64	1.81		0.85	0.20	2.17	3.61	4.34				
	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		0.20	0.40	0.04	0.07	0.08				
	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		0.20	0.30	0.17	0.29	0.35				
	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		0.20	0.25	0.17	0.29	0.35				
	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		0.20	0.20	1.44	2.40	2.88				
	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		0.90	0.20	0.03	0.05	0.05				
	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		0.50	0.30	0.03	0.05	0.06				
	0.1	B-23	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.07	0.06	0.06	0.05	0.04		0.50	0.25	0.02	0.03	0.03				
	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		0.40	0.30	0.06	0.10	0.12				
	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		0.40	0.25	0.17	0.28	0.34				
	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		0.40	0.20	0.89	1.48	1.78				
	3.2	B-27	S29.3	B	Commercial, Industrial	56	36	76	2.78	2.76	2.74	2.68	2.58	2.44		0.10	0.30	0.10	0.16	0.19				
	0.7	B-27	S29.3	D	Commercial, Industrial	75	57	91	0.63	0.62	0.62	0.60	0.58	0.54		0.10	0.20	0.02	0.04	0.04				
	0.9	B-27	S29.3	B	Residential 10+ dwellings/acre	56	36	76	0.71	0.71	0.70	0.68	0.65	0.61		0.20	0.30	0.05	0.09	0.11				
	0.3	B-27	S29.3	D	Residential 10+ dwellings/acre	75	57	91	0.25	0.25	0.25	0.24	0.23	0.21		0.20	0.20	0.02	0.03	0.04				
	2.0	B-28	S29.3	A	Commercial, Industrial	32	17	52	1.71	1.70	1.69	1.66	1.61	1.53		0.10	0.40	0.06	0					

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 200 to 12904 (PA3 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)																
						EV					HC														
						100	50	25	10	5	2	100	Storm Event (Year)					HC							
						AMC			P ₂₄ (Inches)												5.63				
						II	I	III	AMC 1/AMCII																
	4.0	B-28	S29.3	B	Residential 2.5 acre lots	56	36	76	1.01	0.92	0.81	0.64	0.42	0.34		0.90	0.30	1.08	1.80	2.16					
	4.2	B-28	S29.3	C	Residential 2.5 acre lots	69	50	86	1.74	1.63	1.49	1.24	0.84	0.51		0.90	0.25	1.13	1.89	2.27					
	2.3	B-28	S29.3	B	Residential 5-7 dwellings/acre	56	36	76	1.29	1.26	1.22	1.15	1.05	0.98		0.50	0.30	0.35	0.58	0.69					
	0.5	B-28	S29.3	C	Residential 5-7 dwellings/acre	69	50	86	0.33	0.32	0.31	0.29	0.25	0.22		0.50	0.25	0.08	0.13	0.15					
	0.1	B-28	S29.3	B	Woodland, Grass, Fair	65	45	83	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06					
	0.4	B-28	S29.3	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24					
	0.3	B-5	S29.3	B	Commercial, Industrial	56	36	76	0.26	0.26	0.26	0.25	0.24	0.23		0.10	0.30	0.01	0.02	0.02					
	0.3	B-5	S29.3	C	Commercial, Industrial	69	50	86	0.27	0.26	0.26	0.26	0.24	0.23		0.10	0.25	0.01	0.02	0.02					
	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		0.20	0.30	0.01	0.02	0.02					
	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		0.20	0.25	0.04	0.06	0.07					
	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		0.90	0.30	0.03	0.05	0.05					
	0.4	B-6	S29.3	B	Commercial, Industrial	56	36	76	0.35	0.35	0.34	0.34	0.32	0.31		0.10	0.30	0.01	0.02	0.02					
	0.5	B-6	S29.3	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38		0.10	0.25	0.02	0.03	0.03					
	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		0.20	0.25	0.05	0.08	0.10					
	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		0.90	0.30	0.11	0.18	0.22					
	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		0.90	0.25	0.32	0.54	0.65					
	0.3	B-7	S29.3	B	Commercial, Industrial	56	36	76	0.26	0.26	0.26	0.25	0.24	0.23		0.10	0.30	0.01	0.02	0.02					
	0.4	B-7	S29.3	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31		0.10	0.25	0.01	0.02	0.02					
	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		0.20	0.30	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		0.20	0.25	0.02	0.03	0.04					
	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		0.90	0.30	0.05	0.09	0.11					
	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		0.90	0.25	0.41	0.68	0.81					
	0.7	B-8	S29.3	B	Commercial, Industrial	56	36	76	0.61	0.60	0.60	0.59	0.56	0.53		0.10	0.30	0.02	0.04	0.04					
	2.5	B-8	S29.3	C	Commercial, Industrial	69	50	86	2.22	2.20	2.18	2.13	2.04	1.92		0.10	0.25	0.08	0.13	0.15					
	0.3	B-8	S29.3	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02					
	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		0.20	0.30	0.02	0.03	0.04					
	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		0.20	0.25	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		0.20	0.20	0.01	0.02	0.02					
	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		0.90	0.30	0.70	1.17	1.40					
	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		0.90	0.25	2.51	4.19	5.02					
	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		0.90	0.20	0.41	0.68	0.81					
	2.4	B-9	S29.3	B	Commercial, Industrial	56	36	76	2.09	2.07	2.05	2.01	1.93	1.83		0.10	0.30	0.07	0.12	0.14					
	0.2	B-9	S29.3	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15		0.10	0.25	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		0.10	0.20	0.01	0.02	0.02					
	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		0.90	0.30	0.57	0.95	1.13					
	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		0.90	0.25	0.08	0.14	0.16					
	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		0.90	0.20	0.14	0.23	0.27					
	213.70	Low Loss Fraction (1-Y) =							0.323	0.337	0.356	0.391	0.446	0.498	1.000			F _m =	0.128	0.213	0.256	0.000			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 150 to 13305

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC I/AMCII										5.63				
PA3 Line A	1.1	OA-1	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66			
PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.41	0.38	0.35	0.08	0.02	0.00		1.00	0.25	0.27	0.45	0.54			
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00		1.00	0.25	0.78	1.30	1.56			
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08		0.90	0.25	0.19	0.32	0.38			
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.39	0.33	0.22	0.13		0.90	0.25	0.30	0.50	0.59			
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77		0.10	0.25	0.03	0.05	0.06			
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07			
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.08	0.07	0.06	0.05	0.03	0.03		0.90	0.30	0.08	0.14	0.16			
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	5.86	5.82	5.75	5.63	5.39	5.06		0.10	0.25	0.20	0.33	0.40			
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.70	0.64	0.53	0.36	0.22		0.90	0.25	0.49	0.81	0.97			
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04			
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.46	3.44	3.40	3.33	3.18	2.99		0.10	0.25	0.12	0.20	0.23			
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.27	0.18	0.11		0.90	0.25	0.24	0.41	0.49			
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04			
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15			
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.06	0.04	0.03		0.90	0.30	0.11	0.18	0.22			
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84		0.10	0.25	0.15	0.25	0.30			
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	0.93	0.88	0.81	0.69	0.50	0.34		0.85	0.25	0.54	0.89	1.07			
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10		0.90	0.25	0.22	0.36	0.43			
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.62	1.60	1.59	1.55	1.48	1.39		0.10	0.20	0.05	0.09	0.11			
PA3 Line A	2.8	A-5	S33	B	Commercial, Industrial	56	36	76	2.44	2.42	2.39	2.35	2.26	2.14		0.10	0.30	0.08	0.14	0.17			
PA3 Line A	7.6	A-5	S33	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83		0.10	0.25	0.23	0.38	0.46			
PA3 Line A	0.4	A-5	S33	C	Public Park	69	50	86	0.18	0.17	0.15	0.13	0.10	0.06		0.85	0.25	0.10	0.17	0.20			
PA3 Line A	10.5	A-5	S33	D	Commercial, Industrial	75	57	91	9.43	9.36	9.26	9.07	8.66	8.12		0.10	0.20	0.32	0.53	0.63			
PA3 Line A	0.3	A-5	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16			
PA3 Line A	6.8	A-6	S33	B	Commercial, Industrial	56	36	76	5.92	5.87	5.81	5.70	5.48	5.19		0.10	0.30	0.20	0.34	0.41			
PA3 Line A	12.1	A-6	S33	C	Commercial, Industrial	69	50	86	10.75	10.66	10.55	10.33	9.87	9.28		0.10	0.25	0.36	0.61	0.73			
PA3 Line A	1	A-6	S33	C	Public Park	69	50	86	0.44	0.42	0.39	0.33	0.24	0.16		0.85	0.25	0.26	0.43	0.51			
PA3 Line A	4.5	A-6	S33	D	Commercial, Industrial	75	57	91	4.04	4.01	3.97	3.89	3.71	3.48		0.10	0.20	0.14	0.23	0.27			
PA3 Line A	3.4	A-8	S33	B	Commercial, Industrial	56	36	76	2.96	2.94	2.91	2.85	2.74	2.59		0.10	0.30	0.10	0.17	0.20			
PA3 Line A	6.7	A-8	S33	C	Commercial, Industrial	69	50	86	5.95	5.90	5.84	5.72	5.47	5.14		0.10	0.25	0.20	0.34	0.40			
PA3 Line A	0.1	A-8	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05			
PA3 Line A	2.5	A-8	S33	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93		0.10	0.20	0.08	0.13	0.15			
PA3 Line A	7.2	A-7	S33	B	Commercial, Industrial	56	36	76	6.27	6.22	6.16	6.04	5.80	5.49		0.10	0.30	0.22	0.36	0.43			
PA3 Line A	0.7	A-7	S33	B	Public Park	56	36	76	0.20	0.19	0.17	0.14	0.10	0.09		0.85	0.30	0.18	0.30	0.36			
PA3 Line A	7.6	A-7	S33	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83		0.10	0.25	0.23	0.38	0.46			
PA3 Line A	0.3	A-7	S33	C	Public Park	69	50	86	0.13	0.13	0.12	0.10	0.07	0.05		0.85	0.25	0.08	0.13	0.15			
PA3 Line A	4.7	A-7	S33	D	Commercial, Industrial	75	57	91	4.22	4.19	4.14	4.06	3.88	3.63		0.10	0.20	0.14	0.24	0.28			
PA3 Line A	0.4	A-7	S33	D	Public Park	75	57	91	0.21	0.20	0.19	0.17	0.12	0.09		0.85	0.20	0.10	0.17	0.20			
PA3 Line A	3.5	A-18	S33	B	Commercial, Industrial	56	36	76	3.05	3.02	2.99	2.94	2.82	2.67		0.10	0.30	0.11	0.18	0.21			
PA3 Line A	0.6	A-18	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32			
PA3 Line A	2.8	A-18	S33	C	Commercial, Industrial	69	50	86	2.49	2.47	2.44	2.39	2.29	2.15		0.10	0.25	0.08	0.14	0.17			
PA3 Line A	0.8	A-18	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10		0.90	0.25	0.22	0.36	0.43			
PA3 Line A	0.6	A-18	S33	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46		0.10	0.20	0.02	0.03	0.04			
PA3 Line A	0.4	A-9	S33	B	Apartments	56	36	76	0.32	0.31	0.31	0.30	0.29	0.27		0.20	0.30	0.02	0.04	0.05			
PA3 Line A	5.5	A-9	S33	C	Apartments	69	50	86	4.56	4.51	4.44	4.31	4.07	3.78		0.20	0.25	0.33	0.55	0.66			
PA3 Line A	3.2	A-9	S33	D	Apartments	75	57	91	2.72	2.69	2.65	2.57	2.42	2.24		0.20	0.20	0.19	0.32	0.38			
PA3 Line A	0.4	A-10	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22			
PA3 Line A	0.3	A-10	S33	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02			
PA3 Line A	1.3	A-10	S33	D	Public Park	75	57	91	0.69	0.66	0.61	0.54	0.40	0.28		0.85	0.20	0.33	0.55	0.66			
PA3 Line A	1	A-10	S33	D	Residential 2.5 acre lots	75	57	91	0.50	0.48	0.44	0.38	0.28	0.18		0.90	0.20	0.27	0.45	0.54			
PA3 Line A	2.3	A-11	S33	C	Commercial, Industrial	69	50	86	2.04	2.03	2.00	1.96	1.88	1.76		0.10	0.25	0.07	0.12	0.14			
PA3 Line A	0.3	A-11	S33	C	Residential 2.5 acre lots	69	50	86	0.12	0.12	0.11	0.09	0.06	0.04		0.90	0.25	0.08	0.14	0.16			
PA3 Line A	1	A-11	S33	D	Commercial, Industrial	75	57	91	0.90	0.89	0.88	0.86	0.82	0.77		0.10	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-11	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16			
PA3 Line A	5	A-12	S33	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84		0.10	0.25	0.15	0.25	0.30			
PA3 Line A	2.2	A-12	S33	C	Residential 2.5 acre lots	69	50	86	0.91	0.85	0.78	0.65	0.44	0.27		0.90	0.25	0.59	0.99	1.19			
PA3 Line A	1	A-12	S33	D	Commercial, Industrial	75	57	91	0.90	0.89	0.88	0.86	0.82	0.77		0.10	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-12	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16			
PA3 Line A	1.6	A-13	S33	C	Commercial, Industrial	69	50	86	1.42	1.41	1.39	1.37	1.31	1.23		0.10	0.25	0.05	0.08	0.10			
PA3 Line A	0.2	A-13	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	1.1	A-13	S33	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.39	0.33	0.22	0.13		0.90	0.25	0.30	0.50	0.59			
PA3 Line A	9	A-14	S33	C	Commercial, Industrial	69	50	86	7.99	7.93	7.84	7.68	7.34	6.90		0.10	0.25	0.27	0.45	0.54			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 150 to 13305

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III											5.63				
PA3 Line A	3.8	A-15	S33	C	Residential 2.5 acre lots	69	50	86	1.58	1.48	1.34	1.13	0.76	0.46		0.90	0.25	1.03	1.71	2.05			
PA3 Line A	5.3	OA-3	S33	C	Open Brush, Fair	77	59	92	2.60	2.45	2.25	0.57	0.19	0.00		1.00	0.25	1.59	2.65	3.18			
PA3 Line A	0.3	OA-3	S33	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18			
PA3 Line A	3.4	A-16	S33	B	Commercial, Industrial	56	36	76	2.96	2.94	2.91	2.85	2.74	2.59		0.10	0.30	0.10	0.17	0.20			
PA3 Line A	11	A-16	S33	C	Commercial, Industrial	69	50	86	9.77	9.69	9.59	9.39	8.98	8.44		0.10	0.25	0.33	0.55	0.66			
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.80	0.75	0.70	0.60	0.43	0.29		0.85	0.25	0.46	0.77	0.92			
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18		0.90	0.25	0.41	0.68	0.81			
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.87	2.85	2.82	2.76	2.64	2.47		0.10	0.20	0.10	0.16	0.19			
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.70	2.68	2.65	2.60	2.50	2.37		0.10	0.30	0.09	0.16	0.19			
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.41	0.38	0.34	0.28	0.21	0.18		0.85	0.30	0.36	0.60	0.71			
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.28	0.25	0.22	0.18	0.11	0.09		0.90	0.30	0.30	0.50	0.59			
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.53	4.49	4.45	4.35	4.16	3.91		0.10	0.25	0.15	0.26	0.31			
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	0.84	0.80	0.73	0.63	0.45	0.31		0.85	0.25	0.48	0.81	0.97			
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.49	1.40	1.27	1.07	0.72	0.44		0.90	0.25	0.97	1.62	1.94			
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.43	2.41	2.38	2.33	2.23	2.09		0.10	0.20	0.08	0.14	0.16			
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.25	0.24	0.22	0.19	0.14	0.09		0.90	0.20	0.14	0.23	0.27			
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07			
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.20	3.17	3.14	3.07	2.94	2.76		0.10	0.25	0.11	0.18	0.22			
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38		0.10	0.25	0.02	0.03	0.03			
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	2.7	A-20	S33	C	Residential 10+ dwellings/acre	69	50	86	2.24	2.21	2.18	2.12	2.00	1.85		0.20	0.25	0.16	0.27	0.32			
PA3 Line A	1.4	A-20	S33	C	Residential 2.5 acre lots	69	50	86	0.58	0.54	0.50	0.41	0.28	0.17		0.90	0.25	0.38	0.63	0.76			
PA3 Line A	0.1	A-20	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	1.3	A-20	S33	D	Residential 10+ dwellings/acre	75	57	91	1.10	1.09	1.07	1.04	0.98	0.91		0.20	0.20	0.08	0.13	0.16			
PA3 Line A	0.2	A-20	S33	D	Residential 2.5 acre lots	75	57	91	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.20	0.05	0.09	0.11			
PA3 Line A	5.4	A-21	S33	C	Residential 10+ dwellings/acre	69	50	86	4.48	4.43	4.36	4.23	3.99	3.71		0.20	0.25	0.32	0.54	0.65			
PA3 Line A	2.4	A-21	S33	C	Residential 2.5 acre lots	69	50	86	0.99	0.93	0.85	0.71	0.48	0.29		0.90	0.25	0.65	1.08	1.30			
PA3 Line A	0.7	A-21	S33	C	Commercial, Industrial	69	50	86	0.62	0.62	0.61	0.60	0.57	0.54		0.10	0.25	0.02	0.04	0.04			
PA3 Line A	0.6	A-21	S33	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.23	0.17	0.11		0.90	0.20	0.16	0.27	0.32			
PA3 Line A	7.6	A-22	S33	C	Apartments	69	50	86	6.30	6.23	6.13	5.96	5.62	5.22		0.20	0.25	0.46	0.76	0.91			
PA3 Line A	1.4	A-22	S33	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.14	1.07		0.10	0.25	0.04	0.07	0.08			
PA3 Line A	2.3	A-22	S33	C	Residential 10+ dwellings/acre	69	50	86	1.91	1.89	1.86	1.80	1.70	1.58		0.20	0.25	0.14	0.23	0.28			
PA3 Line A	6.5	A-22	S33	C	Residential 2.5 acre lots	69	50	86	2.69	2.52	2.30	1.92	1.30	0.79		0.90	0.25	1.76	2.93	3.51			
PA3 Line A	8.4	A-22	S33	C	Residential 3-4 dwellings/acre	69	50	86	4.97	4.81	4.60	4.24	3.62	3.05		0.60	0.25	1.51	2.52	3.02			
PA3 Line A	0.5	A-22	S33	D	Apartments	75	57	91	0.42	0.42	0.41	0.40	0.38	0.35		0.20	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-22	S33	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02			
PA3 Line A	1.1	A-22	S33	D	Public Park	75	57	91	0.58	0.55	0.52	0.45	0.34	0.23		0.85	0.20	0.28	0.47	0.56			
PA3 Line A	2	A-22	S33	D	Residential 10+ dwellings/acre	75	57	91	1.70	1.68	1.65	1.61	1.51	1.40		0.20	0.20	0.12	0.20	0.24			
PA3 Line A	3.8	A-22	S33	D	Residential 2.5 acre lots	75	57	91	1.92	1.82	1.69	1.46	1.05	0.67		0.90	0.20	1.03	1.71	2.05			
PA3 Line A	3.8	A-22	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.48	2.41	2.31	2.14	1.83	1.52		0.60	0.20	0.68	1.14	1.37			
PA3 Line A	0.1	A-23	S33	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.25	0.01	0.01	0.01			
PA3 Line A	1.6	A-23	S33	C	Commercial, Industrial	69	50	86	1.42	1.41	1.39	1.37	1.31	1.23		0.10	0.25	0.05	0.08	0.10			
PA3 Line A	0.2	A-23	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	0.3	A-23	S33	D	Apartments	75	57	91	0.25	0.25	0.25	0.24	0.23	0.21		0.20	0.20	0.02	0.03	0.04			
PA3 Line A	2.1	A-23	S33	D	Commercial, Industrial	75	57	91	1.89	1.87	1.85	1.81	1.73	1.62		0.10	0.20	0.06	0.11	0.13			
PA3 Line A	0.6	A-23	S33	D	Public Park	75	57	91	0.32	0.30	0.28	0.25	0.19	0.13		0.85	0.20	0.15	0.26	0.31			
PA3 Line A	0.2	A-23	S33	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14		0.20	0.20	0.01	0.02	0.02			
PA3 Line A	0.5	A-25	S33	C	Apartments	69	50	86	0.41	0.41	0.40	0.39	0.37	0.34		0.20	0.25	0.03	0.05	0.06			
PA3 Line A	1.2	A-25	S33	C	Commercial, Industrial	69	50	86	1.07	1.06	1.05	1.02	0.98	0.92		0.10	0.25	0.04	0.06	0.07			
PA3 Line A	1.2	A-25	S33	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15		0.90	0.25	0.32	0.54	0.65			
PA3 Line A	0.1	A-25	S33	D	Apartments	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
PA3 Line A	1.6	A-25	S33	D	Commercial, Industrial	75	57	91	1.44	1.43	1.41	1.38	1.32	1.24		0.10	0.20	0.05	0.08	0.10			
PA3 Line A	3	A-25	S33	D	Residential 2.5 acre lots	75	57	91	1.51	1.43	1.33	1.15	0.83	0.53		0.90	0.20	0.81	1.35	1.62			
PA3 Line A	1.9	A-25.1	S33	C	Apartments	69	50	86	1.58	1.56	1.53	1.49	1.40	1.30		0.20	0.25	0.11	0.19	0.23			
PA3 Line A	0.6	A-25.1	S33	C	Residential 2.5 acre lots	69	50	86	0.25	0.23	0.21	0.18	0.12	0.07		0.90	0.25	0.16	0.27	0.32			
PA3 Line A	0.3	A-25.1	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.18	0.17	0.16	0.15	0.13	0.11		0.60	0.25	0.05	0.09	0.11			
PA3 Line A	5	A-25.1	S33	D	Apartments	75	57	91	4.24	4.20	4.13	4.02	3.78	3.49		0.20	0.20	0.30	0.50	0.60			
PA3 Line A	2.3	A-25.1	S33	D	Public Park	75	57	91	1.22	1.16	1.08	0.95	0.72	0.49		0.85	0.20	0.59	0.98	1.17			
PA3 Line A	3.5	A-25.1	S33	D	Residential 2.5 acre lots	75	57	91	1.76	1.67	1.55	1.34	0.97	0.62		0.90	0.20	0.95	1.58	1.89			
PA3 Line A	10.2	A-25.1	S33	D	Residential 3-4 dwellings/acre	75	57	91	6.65	6.46	6.20	5.75	4.92	4.08		0.60	0.20	1.84	3.06	3.67			
PA3 Line A	5.9	A-26	S33	C	Apartments	69	50	86	4.89	4.84	4.76	4.63	4.36	4.05		0.20	0.25	0.35	0.59	0.71			
PA3 Line A																							

Unit Hydrograph Method Loss Rate Parameter Development - Node 150 to 13305

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC I/AMCII						5.63							
PA3 Line A	12.7	A-27	S33	C	Commercial, Industrial	69	50	86	11.28	11.19	11.07	10.84	10.36	9.74		0.10	0.25	0.38	0.64	0.76		
PA3 Line A	0.8	A-27	S33	C	Public Park	69	50	86	0.36	0.34	0.31	0.26	0.19	0.13		0.85	0.25	0.20	0.34	0.41		
PA3 Line A	4.1	A-27	S33	C	Residential 2.5 acre lots	69	50	86	1.70	1.59	1.45	1.21	0.82	0.50		0.90	0.25	1.11	1.85	2.21		
PA3 Line A	1.2	A-27	S33	D	Commercial, Industrial	75	57	91	1.08	1.07	1.06	1.04	0.99	0.93		0.10	0.20	0.04	0.06	0.07		
PA3 Line A	1.5	A-27	S33	D	Public Park	75	57	91	0.79	0.76	0.71	0.62	0.47	0.32		0.85	0.20	0.38	0.64	0.77		
PA3 Line A	0.1	A-27	S33	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.06		
PA3 Line A	1	A-28	S33	B	Commercial, Industrial	56	36	76	0.87	0.86	0.85	0.84	0.81	0.76		0.10	0.30	0.03	0.05	0.06		
PA3 Line A	1.3	A-28	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08		
PA3 Line A	12.6	A-28	S33	D	Commercial, Industrial	75	57	91	11.32	11.13	11.11	10.88	10.39	9.74		0.10	0.20	0.38	0.63	0.76		
PA3 Line A	1.1	A-28	S33	D	Public Park	75	57	91	0.58	0.55	0.52	0.45	0.34	0.23		0.85	0.20	0.28	0.47	0.56		
PA3 Line A	0.1	A-28	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01		
PA3 Line A	2.1	A-28	S33	D	Residential 2.5 acre lots	75	57	91	1.06	1.00	0.93	0.81	0.58	0.37		0.90	0.20	0.57	0.95	1.13		
PA3 Line A	2.2	A-29	S33	C	Commercial, Industrial	69	50	86	1.95	1.94	1.92	1.88	1.80	1.69		0.10	0.25	0.07	0.11	0.13		
PA3 Line A	0.4	A-29	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22		
PA3 Line A	0.6	A-30	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04		
PA3 Line A	0.6	A-30	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32		
PA3 Line A	1.8	A-30	S33	C	Commercial, Industrial	69	50	86	1.60	1.59	1.57	1.54	1.47	1.38		0.10	0.25	0.05	0.09	0.11		
PA3 Line A	1.4	A-30	S33	C	Residential 2.5 acre lots	69	50	86	0.58	0.54	0.50	0.41	0.28	0.17		0.90	0.25	0.38	0.63	0.76		
PA3 Line A	0.8	A-30	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05		
PA3 Line A	1.6	A-30	S33	D	Residential 2.5 acre lots	75	57	91	0.81	0.77	0.71	0.61	0.44	0.28		0.90	0.20	0.43	0.72	0.86		
PA3 Line A	2.5	A-31	S33	B	Commercial, Industrial	56	36	76	2.18	2.16	2.14	2.10	2.01	1.91		0.10	0.30	0.08	0.13	0.15		
PA3 Line A	0.3	A-31	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15		
PA3 Line A	0.1	A-31	S33	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01		
PA3 Line A	0.1	A-31	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
PA3 Line A	1.5	A-31	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.73	0.70	0.67	0.62	0.55	0.51		0.60	0.30	0.27	0.45	0.54		
PA3 Line A	0.2	A-31	S33	B	Residential 5-7 dwellings/acre	56	36	76	0.11	0.11	0.11	0.10	0.09	0.08		0.50	0.30	0.03	0.05	0.06		
PA3 Line A	2.9	A-31	S33	B	Residential 8-10 dwellings/acre	56	36	76	1.85	1.82	1.77	1.69	1.57	1.48		0.40	0.30	0.35	0.58	0.70		
PA3 Line A	4.7	A-31	S33	C	Commercial, Industrial	69	50	86	4.17	4.14	4.10	4.01	3.84	3.61		0.10	0.25	0.14	0.24	0.28		
PA3 Line A	1.3	A-31	S33	C	Public Park	69	50	86	0.58	0.54	0.50	0.43	0.31	0.21		0.85	0.25	0.33	0.55	0.66		
PA3 Line A	0.9	A-31	S33	C	Residential 10+ dwellings/acre	69	50	86	0.75	0.74	0.73	0.71	0.67	0.62		0.20	0.25	0.05	0.09	0.11		
PA3 Line A	0.1	A-31	S33	C	Residential 2.5 acre lots	69	50	86	0.04	0.04	0.04	0.03	0.02	0.01		0.90	0.25	0.03	0.05	0.05		
PA3 Line A	3.8	A-31	S33	C	Residential 3-4 dwellings/acre	69	50	86	2.25	2.18	2.08	1.92	1.64	1.38		0.60	0.25	0.68	1.14	1.37		
PA3 Line A	4.4	A-31	S33	C	Residential 5-7 dwellings/acre	69	50	86	2.87	2.79	2.70	2.53	2.24	1.95		0.50	0.25	0.66	1.10	1.32		
PA3 Line A	0.7	A-31	S33	C	Residential 8-10 dwellings/acre	69	50	86	0.50	0.49	0.47	0.45	0.41	0.37		0.40	0.25	0.08	0.14	0.17		
PA3 Line A	5	A-31	S33	D	Commercial, Industrial	75	57	91	4.49	4.46	4.41	4.32	4.12	3.87		0.10	0.20	0.15	0.25	0.30		
PA3 Line A	0.1	A-31	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05		
PA3 Line A	10.3	A-31	S33	D	Residential 10+ dwellings/acre	75	57	91	8.74	8.65	8.52	8.28	7.79	7.20		0.20	0.20	0.62	1.03	1.24		
PA3 Line A	0.1	A-31	S33	D	Residential 2+ acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.05		
PA3 Line A	1.3	A-31	S33	D	Residential 3-4 dwellings/acre	75	57	91	0.85	0.82	0.79	0.73	0.63	0.52		0.60	0.20	0.23	0.39	0.47		
PA3 Line A	3.9	A-31	S33	D	Residential 5-7 dwellings/acre	75	57	91	2.73	2.67	2.58	2.43	2.15	1.85		0.50	0.20	0.59	0.98	1.17		
PA3 Line A	2.3	A-31	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.73	1.69	1.65	1.57	1.42	1.26		0.40	0.20	0.28	0.46	0.55		
PA3 Line A	1.3	A-32	S33	B	Commercial, Industrial	56	36	76	1.13	1.12	1.11	1.09	1.05	0.99		0.10	0.30	0.04	0.07	0.08		
PA3 Line A	1.2	A-32	S33	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.24	0.19	0.13	0.10		0.90	0.30	0.32	0.54	0.65		
PA3 Line A	0.1	A-32	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.05	0.05	0.04	0.04	0.04	0.03		0.60	0.30	0.02	0.03	0.04		
PA3 Line A	1.3	A-32	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08		
PA3 Line A	0.1	A-32	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05		
PA3 Line A	3	A-32	S33	C	Residential 2.5 acre lots	69	50	86	1.24	1.16	1.06	0.89	0.60	0.36		0.90	0.25	0.81	1.35	1.62		
PA3 Line A	2.5	A-32	S33	C	Residential 3-4 dwellings/acre	69	50	86	1.48	1.43	1.37	1.26	1.08	0.91		0.60	0.25	0.45	0.75	0.90		
PA3 Line A	0.8	A-32	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05		
PA3 Line A	1.3	A-32	S33	D	Residential 2.5 acre lots	75	57	91	0.66	0.62	0.58	0.50	0.36	0.23		0.90	0.20	0.35	0.59	0.70		
PA3 Line A	3.3	A-32	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.15	2.09	2.01	1.86	1.59	1.32		0.60	0.20	0.59	0.99	1.19		
PA3 Line A	1.5	OA-4	S33	C	Open Brush, Fair	77	59	92	0.74	0.69	0.64	0.16	0.05	0.00		1.00	0.25	0.45	0.75	0.90		
PA3 Line A	0.4	OA-4	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24		
PA3 Line A	4.9	OA-5	S33	C	Open Brush, Fair	77	59	92	2.40	2.27	2.08	0.53	0.17	0.00		1.00	0.25	1.47	2.45	2.94		
PA3 Line A	2.4	OA-5	S33	C	Woodland, Grass, Fair	77	59	92	1.18	1.11	1.02	0.26	0.08	0.00		1.00	0.25	0.72	1.20	1.44		
PA3 Line A	5.1	OA-6	S33	C	Open Brush, Fair	77	59	92	2.50	2.36	2.17	0.55	0.18	0.00		1.00	0.25	1.53	2.55	3.06		
PA3 Line A	4	OA-6	S33	C	Woodland, Grass, Fair	77	59	92	1.96	1.85	1.70	0.43	0.14	0.00		1.00	0.25	1.20	2.00	2.40		
PA3 Line A	0.3	OA-7	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.14	0.13	0.12	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18		
PA3 Line A	5.7	OA-7	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	3.22	3.08	2.87	0.93	0.42	0.08		1.00	0.25	1.71	2.85	3.42		
PA3 Line A	3.4	OA-7	S33	C	Open Brush, Fair	77	59	92	1.67	1.57	1.45	0.37	0.12	0.00		1.00	0.25	1.02	1.70	2.04		
PA3 Line A	0.1	OA-7	S33	C	Woodland, Grass, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06		
PA3 Line A	2.1	OA-7	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	1.40	1.35	1.29	0.56	0.33	0.13		1.00	0.20	0.63	1.05	1.26		
PA3 Line A	1.6	OA-7	S33	D	Open Brush, Fair	83	67	96	0.97	0.93	0.87	0.32	0.16	0.04		1.00	0.20	0.48	0.80	0.96		
PA3 Line A	0.2	OA-7	S33	D	Woodland, Grass, Fair	82	66	95	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.20	0.06	0.10	0.12		
PA3 Line A	1.6	OA-8	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.73	0.68	0.62	0.13	0.03	0.00		1.00	0.25	0.48	0.80	0.96		
PA3 Line A	1.6	OA-8	S33	C	Open Brush, Fair	77	59	92	0.78	0.74	0.68	0.17	0.06	0.00		1.00	0.25	0.48	0.80	0.96		
PA3 Line A	1.8	OA-8	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.02	0.97	0.91	0.30	0.13	0.02		1.00	0.20	0.54	0.90	1.08		
PA3 Line A	1.5	OA-8	S33	D	Open Brush, Fair	83	67	96	0.91	0.87	0.82	0.30	0.15	0.04		1.00	0.20	0.45	0.75	0.90		
PA3 Line A	1.9	OA-9	S33	C	Chaparral, Broadleaf, Fair	75																

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 150 to 13305

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	100								
						AMC			P ₂₄ (Inches)										Storm Event (Year)				
						II	I	III					AMC I/AMCII		5.63	EV			HC				
																			> 5	5	2	All	
PA3 Line A	1.3	OA-9	S33	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.14	0.05	0.00		1.00	0.25	0.39	0.65	0.78			
PA3 Line A	4.5	OA-9	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.55	2.43	2.27	0.74	0.33	0.06		1.00	0.20	1.35	2.25	2.70			
PA3 Line A	1.3	OA-9	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	0.87	0.84	0.80	0.35	0.20	0.08		1.00	0.20	0.39	0.65	0.78			
PA3 Line A	3.7	OA-9	S33	D	Open Brush, Fair	83	67	96	2.24	2.15	2.02	0.74	0.38	0.10		1.00	0.20	1.11	1.85	2.22			
PA3 Line A	1.6	A-33	S33	B	Fallow	86	72	97	1.07	1.03	0.98	0.43	0.25	0.10		1.00	0.30	0.48	0.80	0.96			
PA3 Line A	1.3	A-33	S33	B	Open Brush, Fair	66	46	84	0.40	0.37	0.32	0.02	0.00	0.00		1.00	0.30	0.39	0.65	0.78			
PA3 Line A	2.6	A-33	S33	B	Residential 2.5 acre lots	56	36	76	0.66	0.60	0.53	0.42	0.27	0.22		0.90	0.30	0.70	1.17	1.40			
PA3 Line A	1.9	A-33	S33	B	Woodland, Grass, Fair	65	45	83	0.56	0.51	0.44	0.02	0.00	0.00		1.00	0.30	0.57	0.95	1.14			
PA3 Line A	0.7	A-33	S33	C	Fallow	91	80	98	0.54	0.53	0.52	0.29	0.21	0.12		1.00	0.25	0.21	0.35	0.42			
PA3 Line A	0.8	A-33	S33	C	Open Brush, Fair	77	59	92	0.39	0.37	0.34	0.09	0.03	0.00		1.00	0.25	0.24	0.40	0.48			
PA3 Line A	0.1	A-33	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05			
PA3 Line A	1.5	A-33	S33	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18		0.90	0.25	0.41	0.68	0.81			
PA3 Line A	0.4	A-33	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24			
PA3 Line A	0.1	A-33	S33	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-33	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16			
	510.2	Low Loss Fraction (1-Y) =							0.282	0.296	0.316	0.385	0.443	0.501	1.000		F _m =	0.130	0.217	0.260	0.000		

Unit Hydrograph Method Loss Rate Parameter Development - Node 13222 (Node 132C) to 13308 (Node 133t)

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	Storm Event (Year)									
						100	50	25	10	5	2	100	EV						HC				
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC I/AMC II														
	0.10	HZ-206	S33	A	Barren	78	61	93	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	2.60	HZ-206	S33	A	Open Brush, Fair	46	28	66	0.19	0.15	0.10	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56			
	3.10	HZ-206	S33	A	Row Crops, Poor	72	53	89	1.25	1.16	1.04	0.17	0.02	0.00		1.00	0.40	0.93	1.55	1.86			
	0.40	HZ-206	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24			
	0.20	HZ-206	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	13.80	HZ-206	S33	B	Open Brush, Fair	66	46	84	4.27	3.88	3.37	0.18	0.00	0.00		1.00	0.30	4.14	6.90	8.28			
	34.60	HZ-206	S33	B	Row Crops, Poor	81	64	95	19.57	18.67	17.44	5.67	2.57	0.46		1.00	0.30	10.38	17.30	20.76			
	2.40	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.71	0.64	0.55	0.02	0.00	0.00		1.00	0.30	0.72	1.20	1.44			
	22.60	HZ-206	S33	C	Open Brush, Fair	77	59	92	11.09	10.46	9.61	2.43	0.80	0.01		1.00	0.25	6.78	11.30	13.56			
	11.60	HZ-206	S33	C	Row Crops, Poor	88	75	98	8.23	8.00	7.67	3.71	2.38	1.14		1.00	0.25	3.48	5.80	6.96			
	0.40	HZ-206	S33	D	Apartments	75	57	91	0.34	0.34	0.33	0.32	0.30	0.28		0.20	0.20	0.02	0.04	0.05			
	4.80	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.71	2.59	2.42	0.79	0.36	0.06		1.00	0.20	1.44	2.40	2.88			
	1.60	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.00	0.96	0.91	0.35	0.19	0.06		1.00	0.20	0.48	0.80	0.96			
	46.40	HZ-206	S33	D	Open Brush, Fair	83	67	96	28.07	26.92	25.36	9.31	4.75	1.30		1.00	0.20	13.92	23.20	27.84			
	0.10	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
	60.70	HZ-206	S33	D	Row Crops, Poor	91	80	98	47.16	46.15	44.73	25.24	17.99	10.61		1.00	0.20	18.21	30.35	36.42			
	5.80	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.39	3.25	3.05	1.06	0.51	0.12		1.00	0.20	1.74	2.90	3.48			
	0.20	HZ-207	S33	A	Barren	78	61	93	0.10	0.10	0.09	0.02	0.01	0.00		1.00	0.40	0.06	0.10	0.12			
	0.40	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24			
	0.80	HZ-207	S33	B	Barren	86	72	97	0.53	0.52	0.49	0.21	0.13	0.05		1.00	0.30	0.24	0.40	0.48			
	1.40	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.22	1.21	1.20	1.17	1.13	1.07		1.00	0.30	0.04	0.07	0.08			
	2.60	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.92	0.85	0.75	0.08	0.00	0.00		1.00	0.30	0.78	1.30	1.56			
	2.20	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.68	0.62	0.54	0.03	0.00	0.00		1.00	0.30	0.66	1.10	1.32			
	3.10	HZ-207	S33	B	Row Crops, Poor	81	64	95	1.75	1.67	1.56	0.51	0.23	0.04		1.00	0.30	0.93	1.55	1.86			
	3.40	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.00	0.91	0.78	0.03	0.00	0.00		1.00	0.30	1.02	1.70	2.04			
	0.50	HZ-207	S33	D	Barren	93	83	99	0.41	0.40	0.40	0.25	0.19	0.12		1.00	0.20	0.15	0.25	0.30			
	0.20	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.11	0.11	0.10	0.03	0.01	0.00		1.00	0.20	0.06	0.10	0.12			
	3.60	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.23	3.21	3.17	3.11	2.97	2.78		0.10	0.20	0.11	0.18	0.22			
	4.00	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.50	2.40	2.27	0.88	0.47	0.15		1.00	0.20	1.20	2.00	2.40			
	14.60	HZ-207	S33	D	Open Brush, Fair	83	67	96	8.83	8.47	7.98	2.93	1.50	0.41		1.00	0.20	4.38	7.30	8.76			
	6.30	HZ-207	S33	D	Row Crops, Poor	91	80	98	4.89	4.79	4.64	2.62	1.87	1.10		1.00	0.20	1.89	3.15	3.78			
	3.70	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.17	2.07	1.94	0.67	0.32	0.07		1.00	0.20	1.11	1.85	2.22			
	0.10	HZ-208	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.20	HZ-208	S33	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12			
	5.00	HZ-208	S33	A	Woodland, Grass, Fair	44	26	64	0.29	0.21	0.13	0.00	0.00	0.00		1.00	0.40	1.50	2.50	3.00			
	3.20	HZ-208	S33	B	Commercial, Industrial	56	36	76	2.78	2.76	2.74	2.68	2.58	2.44		0.10	0.30	0.10	0.16	0.19			
	0.10	HZ-208	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.90	HZ-208	S33	B	Open Brush, Fair	66	46	84	0.28	0.25	0.22	0.01	0.00	0.00		1.00	0.30	0.27	0.45	0.54			
	0.30	HZ-208	S33	C	Apartments	69	50	86	0.25	0.25	0.24	0.24	0.22	0.21		0.20	0.25	0.02	0.03	0.04			
	0.20	HZ-208	S33	C	Barren	91	80	98	0.16	0.15	0.15	0.08	0.06	0.03		1.00	0.25	0.06	0.10	0.12			
	1.00	HZ-208	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.45	0.43	0.39	0.08	0.02	0.00		1.00	0.25	0.30	0.50	0.60			
	41.90	HZ-208	S33	C	Commercial, Industrial	69	50	86	37.22	36.93	36.52	35.77	34.19	32.15		0.10	0.25	1.26	2.10	2.51			
	7.20	HZ-208	S33	C	Grass, Annual or Perennial, Fair	79	62	93	3.80	3.60	3.34	0.96	0.38	0.03		1.00	0.25	2.16	3.60	4.32			
	25.00	HZ-208	S33	C	Open Brush, Fair	77	59	92	12.26	11.57	10.64	2.69	0.88	0.01		1.00	0.25	7.50	12.50	15.00			
	0.10	HZ-208	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05			
	0.90	HZ-208	S33	C	Row Crops, Poor	88	75	98	0.64	0.62	0.60	0.29	0.18	0.09		1.00	0.25	0.27	0.45	0.54			
	0.30	HZ-208	S33	C	School	69	50	86	0.18	0.17	0.16	0.15	0.13	0.11		0.60	0.25	0.05	0.09	0.11			
	13.20	HZ-208	S33	C	Woodland, Grass, Fair	77	59	92	6.48	6.11	5.62	1.42	0.47	0.01		1.00	0.25	3.96	6.60	7.92			
	0.50	HZ-208	S33	D	Apartments	75	57	91	0.42	0.42	0.41	0.40	0.38	0.35		0.20	0.20	0.03	0.05	0.06			
	0.60	HZ-208	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36			
	33.90	HZ-208	S33	D	Commercial, Industrial	75	57	91	30.45	30.21	29.89	29.27	27.95	26.21		0.10	0.20	1.02	1.70	2.03			
	17.60	HZ-208	S33	D	Grass, Annual or Perennial, Fair	84	69	96	11.01	10.58	10.00	3.88	2.08	0.66		1.00	0.20	5.28	8.80	10.56			
	16.80	HZ-208	S33	D	Open Brush, Fair	83	67	96	10.16	9.75	9.18	3.37	1.72	0.47		1.00	0.20	5.40	8.40	10.08			
	0.60	HZ-208	S33	D	Residential 10+ dwellings/acre	75	57	91	0.51	0.50	0.50	0.48	0.45	0.42		0.20	0.20	0.04	0.06	0.07			
	1.50	HZ-208	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.13	1.10	1.08	0.03	0.93	0.82		0.40	0.20	0.18	0.30	0.36			
	10.00	HZ-208	S33	D	Row Crops, Poor	91	80	98	7.77	7.60	7.37	4.16	2.96	1.75		1.00	0.20	3.00	5.00	6.00			
	0.30	HZ-208	S33	D	School	75	57	91	0.20	0.19	0.18	0.17	0.14	0.12		0.60	0.20	0.05	0.09	0.11			
	0.70	HZ-208	S33	D	Woodland, Grass, Fair	82	66	95	0.41	0.39	0.37	0.13	0.06	0.01		1.00	0.20	0.21	0.35	0.42			
	0.20	HZ-31010	S33	B	Commercial, Industrial	56	36	76	0.17	0.17	0.17	0.17	0.16	0.15		0.10	0.30	0.01	0.01	0.01			
	0.10	HZ-31010	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.04	0.03	0.03	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.20	HZ-31010	S33	B	Orchards, Evergreen, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	3.70	HZ-31010	S33	C	Barren	91	80	98	2.87	2.81	2.73	1.54	1.10	0.65		1.00	0.25	1.11	1.85	2.22			
	0.30	HZ-31010	S33	C	Commercial, Industrial	69	50	86	0.27	0.26	0.26	0.26	0.24	0.23		0.10	0.25	0.01	0.02	0.02			
	3.20	HZ-31010	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.69	1.60	1.48	0.43	0.17	0.01		1.00	0.25	0.96	1.60	1.92			
	3.60	HZ-31010	S33	C	Woodland, Grass, Fair	77	59	92	1.77	1.67	1.53	0.39	0.13	0.00		1.00	0.25	1.08	1.80	2.16			
	1.90	HZ-31010	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.19	1.14	1.08	0.42	0.22	0.07		1.00	0.20	0.57	0.95	1.14			
	0.60	HZ-31010	S33	D	Woodland, Grass, Fair	82	66	95	0.35	0.34	0.32	0.11	0.05	0.01		1.00	0.20	0.18	0.30	0.36			
	0.30	HZ-31010.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18			
	0.80	HZ-31010.2	S33	A	Woodland, Grass, Fair	44	26	64	0.05	0.03	0.02	0.00	0.00	0.00		1.00</							

RANCHO MISSION VIEJO																																	
PA-3&4 (Ultimate Conditions)																																	
Unit Hydrograph Method Loss Rate Parameter Development - Node 13222 (Node 132C) to 13308 (Node 133T)																																	
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)														
							EV																										
							100 50 25 10 5 2 100												HC														
							AMC												P ₂₄ (Inches)					AMC I/AMCII					5.63				
							II I III												AMC I/AMCII					5.63									
	0.20	HZ-31010.2	S33	C	Woodland, Grass, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12													
	0.30	HZ-31010.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.19	0.18	0.17	0.07	0.04	0.01		1.00	0.20	0.09	0.15	0.18													
	0.30	HZ-31100	S33	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18													
	0.50	HZ-31100	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30													
	0.30	HZ-31100	S33	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18													
	0.10	HZ-31101	S33	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06													
	0.50	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30													
	0.70	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.42	0.41	0.38	0.14	0.07	0.02		1.00	0.20	0.21	0.35	0.42													
	0.10	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06													
	0.30	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.17	0.16	0.15	0.05	0.02	0.00		1.00	0.20	0.09	0.15	0.18													
	1.90	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.15	1.10	1.04	0.38	0.19	0.05		1.00	0.20	0.57	0.95	1.14													
	1.10	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66													
	2.50	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.51	1.45	1.37	0.50	0.26	0.07		1.00	0.20	0.75	1.25	1.50													
	0.70	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.32	0.30	0.27	0.06	0.02	0.00		1.00	0.25	0.21	0.35	0.42													
	3.00	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.47	1.39	1.28	0.32	0.11	0.00		1.00	0.25	0.90	1.50	1.80													
	0.60	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36													
	2.10	HZ-31104	S33	D	Open Brush, Fair	83	67	96	1.27	1.22	1.15	0.42	0.22	0.06		1.00	0.20	0.63	1.05	1.26													
	0.60	HZ-31105	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.16	0.14	0.12	0.00	0.00	0.00		1.00	0.30	0.18	0.30	0.36													
	0.10	HZ-31105	S33	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06													
	2.80	HZ-31105	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.27	1.19	1.09	0.24	0.06	0.00		1.00	0.25	0.84	1.40	1.68													
	2.60	HZ-31105	S33	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00		1.00	0.25	0.78	1.30	1.56													
	0.60	HZ-31105	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36													
	4.10	HZ-31105	S33	D	Open Brush, Fair	83	67	96	2.48	2.38	2.24	0.82	0.42	0.11		1.00	0.20	1.23	2.05	2.46													
	0.80	HZ-31106	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.21	0.19	0.16	0.00	0.00	0.00		1.00	0.30	0.24	0.40	0.48													
	1.50	HZ-31106	S33	B	Open Brush, Fair	66	46	84	0.46	0.42	0.37	0.02	0.00	0.00		1.00	0.30	0.45	0.75	0.90													
	1.90	HZ-31106	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.86	0.81	0.74	0.16	0.04	0.00		1.00	0.25	0.57	0.95	1.14													
	8.20	HZ-31106	S33	C	Open Brush, Fair	77	59	92	4.02	3.79	3.49	0.88	0.29	0.00		1.00	0.25	2.46	4.10	4.92													
	2.70	HZ-31106	S33	D	Open Brush, Fair	83	67	96	1.63	1.57	1.48	0.54	0.28	0.08		1.00	0.20	0.81	1.35	1.62													
	0.50	HZ-31107	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.13	0.12	0.10	0.00	0.00	0.00		1.00	0.30	0.15	0.25	0.30													
	1.10	HZ-31107	S33	B	Open Brush, Fair	66	46	84	0.34	0.31	0.27	0.01	0.00	0.00		1.00	0.30	0.33	0.55	0.66													
	6.50	HZ-31107	S33	C	Chaparral, Broadleaf, Fair	75	57	91	2.96	2.77	2.53	0.55	0.14	0.00		1.00	0.25	1.95	3.25	3.90													
	5.50	HZ-31107	S33	C	Open Brush, Fair	77	59	92	2.70	2.54	2.34	0.59	0.19	0.00		1.00	0.25	1.65	2.75	3.30													
	1.30	HZ-31107	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.74	0.70	0.66	0.21	0.10	0.02		1.00	0.20	0.39	0.65	0.78													
	3.40	HZ-31107	S33	D	Open Brush, Fair	83	67	96	2.06	1.97	1.86	0.68	0.35	0.10		1.00	0.20	1.02	1.70	2.04													
	0.70	HZ-31108	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.19	0.17	0.14	0.00	0.00	0.00		1.00	0.30	0.21	0.35	0.42													
	2.20	HZ-31108	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.78	0.72	0.64	0.07	0.00	0.00		1.00	0.30	0.66	1.10	1.32													
	3.10	HZ-31108	S33	B	Open Brush, Fair	66	46	84	0.96	0.87	0.76	0.04	0.00	0.00		1.00	0.30	0.93	1.55	1.86													
	0.90	HZ-31108	S33	B	Woodland, Grass, Fair	65	45	83	0.27	0.24	0.21	0.01	0.00	0.00		1.00	0.30	0.27	0.45	0.54													
	7.40	HZ-31108	S33	C	Chaparral, Broadleaf, Fair	75	57	91	3.37	3.16	2.88	0.62	0.16	0.00		1.00	0.25	2.22	3.70	4.44													
	0.30	HZ-31108	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.16	0.15	0.14	0.04	0.02	0.00		1.00	0.25	0.09	0.15	0.18													
	11.40	HZ-31108	S33	C	Open Brush, Fair	77	59	92	5.59	5.27	4.85	1.22	0.40	0.01		1.00	0.25	3.42	5.70	6.84													
	8.90	HZ-31108	S33	C	Woodland, Grass, Fair	77	59	92	4.37	4.12	3.79	0.96	0.31	0.00		1.00	0.25	2.67	4.45	5.34													
	1.90	HZ-31108	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.07	1.03	0.96	0.31	0.14	0.03		1.00	0.20	0.57	0.95	1.14													
	9.20	HZ-31108	S33	D	Open Brush, Fair	83	67	96	5.57	5.34	5.03	1.85	0.94	0.26		1.00	0.20	2.76	4.60	5.52													
	1.40	HZ-31108	S33	D	Woodland, Grass, Fair	82	66	95	0.82	0.78	0.74	0.25	0.12	0.03		1.00	0.20	0.42	0.70	0.84													
	0.80	HZ-31109	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.28	0.26	0.23	0.02	0.00	0.00		1.00	0.30	0.24	0.40	0.48													
	0.60	HZ-31109	S33	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36													
	0.10	HZ-31109	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05													
	1.30	HZ-31109	S33	B	Row Crops, Poor	81	64	95	0.74	0.70	0.66	0.21	0.10	0.02		1.00	0.30	0.39	0.65	0.78													
	4.00	HZ-31109	S33	B	Woodland, Grass, Fair	65	45	83	1.18	1.07	0.92	0.04	0.00	0.00		1.00	0.30	1.20	2.00	2.40													
	1.50	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.68	0.64	0.58	0.13	0.03	0.00		1.00	0.25	0.45	0.75	0.90													
	0.30	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.16	0.15	0.14	0.04	0.02	0.00		1.00	0.25	0.09	0.15	0.18													
	9.60	HZ-31109	S33	C	Open Brush, Fair	77	59	92	4.71	4.44	4.08	1.03	0.34	0.01		1.00	0.25	2.88	4.80	5.76													
	0.40	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22													
	6.20	HZ-31109																															

RANCHO MISSION VIEJO																										
PA-3&4 (Ultimate Conditions)																										
Unit Hydrograph Method Loss Rate Parameter Development - Node 13222 (Node 132C) to 13308 (Node 133T)																										
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	100														
						AMC			P ₂₄ (Inches)												5.63					
						II	I	III	AMC I/AMCII																	
	0.80	HZ-31111	S33	B	Woodland, Grass, Fair	65	45	83	0.24	0.21	0.18	0.01	0.00	0.00		1.00	0.30	0.24	0.40	0.48						
	1.10	HZ-31111	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.50	0.47	0.43	0.09	0.02	0.00		1.00	0.25	0.33	0.55	0.66						
	6.90	HZ-31111	S33	C	Open Brush, Fair	77	59	92	3.38	3.19	2.94	0.74	0.24	0.00		1.00	0.25	2.07	3.45	4.14						
	7.90	HZ-31111	S33	C	Row Crops, Poor	88	75	98	5.61	5.45	5.22	2.53	1.62	0.78		1.00	0.25	2.37	3.95	4.74						
	1.00	HZ-31111	S33	C	Woodland, Grass, Fair	77	59	92	0.49	0.46	0.43	0.11	0.04	0.00		1.00	0.25	0.30	0.50	0.60						
	0.40	HZ-31111	S33	D	Open Brush, Fair	83	67	96	0.24	0.23	0.22	0.08	0.04	0.01		1.00	0.20	0.12	0.20	0.24						
	14.60	HZ-31111	S33	D	Row Crops, Poor	91	80	98	11.34	11.10	10.76	6.07	4.33	2.55		1.00	0.20	4.38	7.30	8.76						
	13.80	HZ-31112	S33	A	Barren	78	61	93	7.02	6.64	6.13	1.66	0.60	0.03		1.00	0.40	4.14	6.90	8.28						
	2.60	HZ-31112	S33	B	Barren	86	72	97	1.73	1.68	1.60	0.69	0.41	0.16		1.00	0.30	0.78	1.30	1.56						
	1.10	HZ-31112	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07						
	3.50	HZ-31112	S33	B	Residential 2.5 acre lots	56	36	76	0.89	0.81	0.71	0.56	0.37	0.30		0.90	0.30	0.95	1.58	1.89						
	6.90	HZ-31112	S33	B	Row Crops, Poor	81	64	95	3.90	3.72	3.48	1.13	0.51	0.09		1.00	0.30	2.07	3.45	4.14						
	0.20	HZ-31112	S33	C	Barren	91	80	98	0.16	0.15	0.15	0.08	0.06	0.03		1.00	0.25	0.06	0.10	0.12						
	0.10	HZ-31112	S33	C	Row Crops, Poor	88	75	98	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.05	0.06						
	0.10	HZ-31112	S33	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01						
	2.40	HZ-31112	S33	D	Residential 2.5 acre lots	75	57	91	1.21	1.15	1.06	0.92	0.66	0.42		0.90	0.20	0.65	1.08	1.30						
	0.50	HZ-31112	S33	D	Row Crops, Poor	91	80	98	0.39	0.38	0.37	0.21	0.15	0.09		1.00	0.20	0.15	0.25	0.30						
	0.50	HZ-31113	S33	A	Barren	78	61	93	0.25	0.24	0.22	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.30						
	0.30	HZ-31113	S33	A	Commercial, Industrial	32	17	52	0.26	0.25	0.25	0.25	0.24	0.23		0.10	0.40	0.01	0.02	0.02						
	0.20	HZ-31113	S33	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12						
	0.80	HZ-31113	S33	A	Residential 2.5 acre lots	32	17	52	0.08	0.08	0.08	0.07	0.07	0.07		0.90	0.40	0.22	0.36	0.43						
	1.60	HZ-31113	S33	A	Row Crops, Poor	72	53	89	0.65	0.60	0.54	0.09	0.01	0.00		1.00	0.40	0.48	0.80	0.96						
	31.90	HZ-31113	S33	B	Barren	86	72	97	21.27	20.56	19.58	8.49	5.00	2.01		1.00	0.30	9.57	15.95	19.14						
	1.70	HZ-31113	S33	B	Commercial, Industrial	56	36	76	1.48	1.47	1.45	1.43	1.37	1.30		0.10	0.30	0.05	0.09	0.10						
	0.30	HZ-31113	S33	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.00	0.00	0.00		1.00	0.30	0.09	0.15	0.18						
	2.60	HZ-31113	S33	B	Residential 2.5 acre lots	56	36	76	0.66	0.60	0.53	0.42	0.27	0.22		0.90	0.30	0.70	1.17	1.40						
	5.50	HZ-31113	S33	B	Row Crops, Poor	81	64	95	3.11	2.97	2.77	0.90	0.41	0.07		1.00	0.30	1.65	2.75	3.30						
	0.20	HZ-31113	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12						
	0.20	HZ-31113	S33	C	Open Brush, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12						
	1.30	HZ-31113	S33	C	Residential 2.5 acre lots	69	50	86	0.54	0.50	0.46	0.38	0.26	0.16		0.90	0.25	0.35	0.59	0.70						
	0.30	HZ-31113	S33	D	Barren	93	83	99	0.25	0.24	0.24	0.15	0.11	0.07		1.00	0.20	0.09	0.15	0.18						
	0.20	HZ-31113	S33	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15		0.10	0.20	0.01	0.01	0.01						
	0.30	HZ-31113	S33	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18						
	6.50	HZ-31113	S33	D	Residential 2.5 acre lots	75	57	91	3.28	3.11	2.88	2.49	1.80	1.14		0.90	0.20	1.76	2.93	3.51						
	3.00	HZ-31113	S33	D	Row Crops, Poor	91	80	98	2.33	2.28	2.21	1.25	0.89	0.52		1.00	0.20	0.90	1.50	1.80						
	1.20	HZ-31113.2	S33	A	Grass, Annual or Perennial, Fair	50	31	70	0.13	0.11	0.08	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72						
	0.50	HZ-31113.2	S33	A	Open Brush, Fair	46	28	66	0.04	0.03	0.02	0.00	0.00	0.00		1.00	0.40	0.15	0.25	0.30						
	1.70	HZ-31113.2	S33	A	Public Park	32	17	52	0.24	0.24	0.24	0.24	0.23	0.22		0.85	0.40	0.43	0.72	0.87						
	7.20	HZ-31113.2	S33	A	Woodland, Grass, Fair	44	26	64	0.41	0.30	0.18	0.00	0.00	0.00		1.00	0.40	2.16	3.60	4.32						
	1.00	HZ-31113.2	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.63	0.60	0.57	0.22	0.12	0.04		1.00	0.20	0.30	0.50	0.60						
	7.80	HZ-31114	S33	A	Barren	78	61	93	3.97	3.75	3.47	0.94	0.34	0.02		1.00	0.40	2.34	3.90	4.68						
	1.70	HZ-31114	S33	A	Row Crops, Poor	72	53	89	0.69	0.64	0.57	0.09	0.01	0.00		1.00	0.40	0.51	0.85	1.02						
	9.40	HZ-31114	S33	B	Barren	86	72	97	6.27	6.06	5.77	2.50	1.47	0.59		1.00	0.30	2.82	4.70	5.64						
	1.20	HZ-31114	S33	B	Open Brush, Fair	66	46	84	0.37	0.34	0.29	0.02	0.00	0.00		1.00	0.30	0.36	0.60	0.72						
	0.10	HZ-31114	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05						
	2.60	HZ-31114	S33	B	Row Crops, Poor	81	64	95	1.47	1.40	1.31	0.43	0.19	0.03		1.00	0.30	0.78	1.30	1.56						
	0.20	HZ-31114	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12						
	0.30	HZ-31114	S33	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18						
	0.20	HZ-31114	S33	C	Residential 2.5 acre lots	69	50	86	0.08	0.08	0.07	0.06	0.04	0.02		0.90	0.25	0.05	0.09	0.11						
	2.70	HZ-31114	S33	C	Row Crops, Poor	88	75	98	1.92	1.86	1.79	0.86	0.55	0.27		1.00	0.25	0.81	1.35	1.62						
	18.40	HZ-31115	S33	A	Barren	78	61	93	9.36	8.86	8.18	2.21	0.80	0.04		1.00	0.40	5.52	9.20	11.04						
	1.20	HZ-31115	S33	A	Meadows or Cienegas, Fair	51	32	71	0.14	0.12	0.09	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72						
	0.10	HZ-31115	S33	A	Woodland, Grass, Fair	44	26	64	0.01	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06						
	26.60	HZ-31115	S33	B	Barren	86	72	97	17.74	17.14	16.32	7.08	4.17	1.67		1.00	0.30	7.98	13.30	15.96						
	3.90	HZ-31115	S33	B	Commercial, Industrial	56	36	76	3.39	3																

Unit Hydrograph Method Loss Rate Parameter Development - Node 13222 (Node 132C) to 13308 (Node 133t)

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	100											
						AMC			P ₂₄ (Inches)										5.63				
						II	I	III	AMC I/AMC II														
																Storm Event (Year)				HC			
																EV			All				
																> 5	5	2					

	2.00	HZ-31115	S33	D	Commercial, Industrial	75	57	91	1.80	1.78	1.76	1.73	1.85	1.55		0.10	0.20	0.06	0.10	0.12	
	3.70	HZ-31115	S33	D	Fallow	94	85	99	3.14	3.09	3.03	1.99	1.56	1.08		1.00	0.20	1.11	1.85	2.22	
	2.10	HZ-31115	S33	D	Open Brush, Fair	83	67	96	1.27	1.22	1.15	0.42	0.22	0.06		1.00	0.20	0.63	1.05	1.26	
	2.60	HZ-31115	S33	D	Residential 2.5 acre lots	75	57	91	1.31	1.24	1.15	1.00	0.72	0.46		0.90	0.20	0.70	1.17	1.40	
	0.20	HZ-31115	S33	D	Row Crops, Poor	91	80	98	0.16	0.15	0.15	0.08	0.06	0.03		1.00	0.20	0.06	0.10	0.12	
	0.10	HZ-31115	S33	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06	
	0.1	HZ-31116	S33	B	Public Park	56	36	76	0.03	0.03	0.02	0.02	0.01	0.01		0.85	0.30	0.03	0.04	0.05	
	0.1	HZ-31116	S33	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.1	HZ-31116	S33	B	Woodland, Grass, Fair	65	45	83	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.2	HZ-31116	S33	D	Barren	93	83	99	0.16	0.16	0.16	0.10	0.08	0.05		1.00	0.20	0.06	0.10	0.12	
	0.4	HZ-31116	S33	C	Public Park	69	50	86	0.18	0.17	0.15	0.13	0.10	0.06		0.85	0.25	0.10	0.17	0.20	
	0.4	HZ-31116	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.25	0.24	0.23	0.09	0.05	0.01		1.00	0.20	0.12	0.20	0.24	
	0.8	HZ-31116	S33	D	Residential 2.5 acre lots	75	57	91	0.40	0.38	0.35	0.31	0.22	0.14		0.90	0.20	0.22	0.36	0.43	
	0.8	HZ-31116	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.28	0.26	0.23	0.02	0.00	0.00		1.00	0.30	0.24	0.40	0.48	
	1	HZ-31116	S33	D	Open Brush, Fair	83	67	96	0.61	0.58	0.55	0.20	0.10	0.03		1.00	0.20	0.30	0.50	0.60	
	1.1	HZ-31116	S33	D	Woodland, Grass, Fair	82	66	95	0.64	0.62	0.58	0.20	0.10	0.02		1.00	0.20	0.33	0.55	0.66	
	1.1	HZ-31116	S33	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85		0.10	0.20	0.03	0.06	0.07	
	2.8	HZ-31116	S33	C	Residential 2.5 acre lots	69	50	86	1.16	1.09	0.99	0.83	0.56	0.34		0.90	0.25	0.76	1.26	1.51	
	3.5	HZ-31116	S33	C	Commercial, Industrial	69	50	86	3.11	3.08	3.05	2.99	2.86	2.69		0.10	0.25	0.11	0.18	0.21	
	5	HZ-31116	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.64	2.50	2.32	0.67	0.26	0.02		1.00	0.25	1.50	2.50	3.00	
	6.7	HZ-31116	S33	B	Residential 2.5 acre lots	56	36	76	1.70	1.55	1.36	1.07	0.70	0.57		0.90	0.30	1.81	3.02	3.62	
	7.8	HZ-31116	S33	C	Woodland, Grass, Fair	77	59	92	3.83	3.61	3.32	0.84	0.27	0.00		1.00	0.25	2.34	3.90	4.68	
	10.8	HZ-31116	S33	C	Open Brush, Fair	77	59	92	5.30	5.00	4.59	1.16	0.38	0.01		1.00	0.25	3.24	5.40	6.48	
	13.8	HZ-31116	S33	B	Commercial, Industrial	56	36	76	11.97	11.88	11.75	11.53	11.08	10.49		0.10	0.30	0.41	0.69	0.83	
	21.5	HZ-31116	S33	B	Barren	86	72	97	14.30	13.82	13.16	5.71	3.36	1.35		1.00	0.30	6.44	10.73	12.87	
	36.6	HZ-31116	S33	C	Barren	91	80	98	28.44	27.83	26.97	15.22	10.85	6.40		1.00	0.25	10.98	18.30	21.96	
	0.5	S33-01	S33	A	Barren	78	61	93	0.25	0.24	0.22	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.30	
	22.6	S33-01	S33	A	Commercial, Industrial	32	17	52	19.27	19.18	19.06	18.78	18.17	17.25		0.10	0.40	0.68	1.13	1.36	
	4.7	S33-01	S33	A	Row Crops, Poor	72	53	89	1.90	1.76	1.58	0.26	0.03	0.00		1.00	0.40	0.41	2.35	2.82	
	2.9	S33-01	S33	A	Woodland, Grass, Fair	44	26	64	0.17	0.12	0.07	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74	
	0.2	S33-01	S33	B	Barren	86	72	97	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.30	0.06	0.10	0.12	
	7.4	S33-01	S33	B	Commercial, Industrial	56	36	76	6.44	6.39	6.33	6.21	5.96	5.65		0.10	0.30	0.22	0.37	0.44	
	1	S33-01	S33	B	Row Crops, Poor	81	64	95	0.57	0.54	0.50	0.16	0.07	0.01		1.00	0.30	0.30	0.50	0.60	
	1.4	S33-01	S33	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.14	1.07		0.10	0.25	0.04	0.07	0.08	
	15.6	S33-01	S33	C	Open Brush, Fair	77	59	92	7.65	7.22	6.64	1.68	0.55	0.01		1.00	0.25	4.68	7.80	9.36	
	0.1	S33-01	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.06	0.06	0.05	0.05	0.04	0.04		0.60	0.25	0.02	0.03	0.04	
	5.3	S33-01	S33	C	Row Crops, Poor	88	75	98	3.76	3.65	3.50	1.70	1.09	0.52		1.00	0.25	1.59	2.65	3.18	
	1.2	S33-02	S33	A	Barren	78	61	93	0.61	0.58	0.53	0.14	0.05	0.00		1.00	0.40	0.36	0.60	0.72	
	0.6	S33-02	S33	A	Row Crops, Poor	72	53	89	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.40	0.18	0.30	0.36	
	0.9	S33-02	S33	C	Barren	91	80	98	0.70	0.68	0.66	0.37	0.27	0.16		1.00	0.25	0.27	0.45	0.54	
	4.8	S33-02	S33	C	Open Brush, Fair	77	59	92	2.35	2.22	2.04	0.52	0.17	0.00		1.00	0.25	1.44	2.40	2.88	
	1.9	S33-02	S33	C	Row Crops, Poor	88	75	98	1.35	1.31	1.28	0.61	0.39	0.19		1.00	0.25	0.57	0.95	1.14	
	0.2	S33-05.5	S33	B	Barren	86	72	97	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.30	0.06	0.10	0.12	
	0.5	S33-05.5	S33	B	Row Crops, Poor	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.30	0.15	0.25	0.30	
	1.1	S33-05.5	S33	B	Woodland, Grass, Fair	65	45	83	0.32	0.29	0.25	0.01	0.00	0.00		1.00	0.30	0.33	0.55	0.66	
	0.3	S33-05.5	S33	C	Barren	91	80	98	0.23	0.23	0.22	0.12	0.09	0.05		1.00	0.25	0.09	0.15	0.18	
	1.1	S33-05.5	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.58	0.55	0.51	0.15	0.06	0.00		1.00	0.25	0.33	0.55	0.66	
	3.5	S33-05.5	S33	C	Open Brush, Fair	77	59	92	1.72	1.62	1.49	0.38	0.12	0.00		1.00	0.25	1.05	1.75	2.10	
	1.4	S33-05.5	S33	C	Row Crops, Poor	88	75	98	0.99	0.97	0.93	0.45	0.29	0.14		1.00	0.25	0.42	0.70	0.84	
	4.8	S33-05.5	S33	D	Open Brush, Fair	83	67	96	2.90	2.79	2.62	0.96	0.49	0.13		1.00	0.20	1.44	2.40	2.88	
	0.9	S33-05.5	S33	D	Row Crops, Poor	91	80	98	0.70	0.68	0.66	0.37	0.27	0.16		1.00	0.20	0.27	0.45	0.54	
	1.7	S33-05.6	S33	B	Barren	86	72	97	1.13	1.10	1.04	0.45	0.27	0.11		1.00	0.30	0.51	0.85	1.02	
	0.6	S33-05.6	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.21	0.20	0.17	0.02	0.00	0.00		1.00	0.30	0.18	0.30	0.36	
	0.1	S33-05.6	S33	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06	
	0.4	S33-05.6	S33	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.09	0.00	0.00	0.00		1.00	0.30	0.12	0.20	0.24	
	2.2	S33-05.6	S33	C	Barren	91	80	98	1.71	1.67	1.62	0.91	0.65	0.38		1.00	0.25	0.66	1.10	1.32	
	4.2	S33-05.6	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.22	2.10	1.95	0.56	0.22	0.02		1.00	0.25	1.26	2.10	2.52	
	8.1	S33-05.6	S33	C	Open Brush, Fair	77	59	92	3.97	3.75	3.45	0.87	0.29	0.00		1.00	0.25	2.43	4.05	4.86	
	2.3	S33-05.6	S33	C	Woodland, Grass, Fair	77	59	92	1.13	1.06	0.98	0.25	0.08	0.00		1.00	0.25	0.69	1.15	1.38	
	0.2	S33-05.6	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.13	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12	
	6.9	S33-05.6	S33	D	Open Brush, Fair	83	67	96	4.17	4.00	3.77	1.39	0.71	0.19		1.00	0.20	2.07	3.45	4.14	
	0.7	S33-05.6	S33	D	Woodland, Grass, Fair	82	66	95	0.41	0.39	0.37	0.13	0.06	0.01		1.00	0.20	0.21	0.35	0.42	
	0.4	S33-06	S33	B	Barren	86	72	97	0.27	0.26	0.25	0.11	0.06	0.03		1.00	0.30	0.12	0.20	0.24	
	9.2	S33-06	S33	B	Grass, Annual or Perennial, Fair	69	50	86	3.27	3.00	2.66	0.28	0.00	0.00		1.00	0.30	2.76	4.60	5.52	
	1	S33-06	S33	B	Open Brush, Fair	66	46	84	0.31	0.28	0.24	0.01	0.00	0.00		1.00	0.30	0.30	0.50	0.60	
	1.3	S33-06	S33	B	Woodland, Grass, Fair	65	45	83	0.38	0.35	0.30	0.01	0.00	0.00		1.00	0.30	0.39	0.65	0.78	
	2.4	S33-06	S33	C	Barren	91	80	98	1.86	1.82	1.77	1.00	0.71	0.42		1.00	0.25	0.72	1.20	1.44	
	4.1	S33-06	S33	C	Chaparral, Broadleaf, Fair	7															

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13222 (Node 132C) to 13308 (Node 133T)

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	100	P ₂₄ (Inches)													
						AMC			AMC I/AMCII												5.63					
						II	I	III															Storm Event (Year)			HC
	4.1	S33-06	S33	C	Woodland, Grass, Fair	77	59	92	2.01	1.90	1.74	0.44	0.14	0.00						1.00	0.25	1.23	2.05	2.46		
	0.5	S33-06	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01						1.00	0.20	0.15	0.25	0.30		
	4.3	S33-06	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.69	2.59	2.44	0.95	0.51	0.16						1.00	0.20	1.29	2.15	2.58		
	0.6	S33-06	S33	D	Open Brush, Fair	83	67	96	0.36	0.35	0.33	0.12	0.06	0.02						1.00	0.20	0.18	0.30	0.36		
	0.8	S33-06	S33	D	Woodland, Grass, Fair	82	66	95	0.47	0.45	0.42	0.15	0.07	0.02						1.00	0.20	0.24	0.40	0.48		
PA3 Line A	1.1	OA-1	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00						1.00	0.25	0.33	0.55	0.66		
PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.41	0.38	0.35	0.08	0.02	0.00						1.00	0.25	0.27	0.45	0.54		
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00						1.00	0.25	0.78	1.30	1.56		
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08						0.90	0.25	0.19	0.32	0.38		
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.39	0.33	0.22	0.13						0.90	0.25	0.30	0.50	0.59		
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77						0.10	0.25	0.03	0.05	0.06		
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84						0.10	0.30	0.03	0.06	0.07		
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.08	0.07	0.06	0.05	0.03	0.03						0.90	0.30	0.08	0.14	0.16		
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	5.86	5.82	5.75	5.63	5.39	5.06						0.10	0.25	0.20	0.33	0.40		
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.70	0.64	0.53	0.36	0.22						0.90	0.25	0.49	0.81	0.97		
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46						0.10	0.30	0.02	0.03	0.04		
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.46	3.44	3.40	3.33	3.18	2.99						0.10	0.25	0.12	0.20	0.23		
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03						0.85	0.25	0.05	0.09	0.10		
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.27	0.18	0.11						0.90	0.25	0.24	0.41	0.49		
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46						0.10	0.30	0.02	0.03	0.04		
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04						0.85	0.30	0.08	0.13	0.15		
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.06	0.04	0.03						0.90	0.30	0.11	0.18	0.22		
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84						0.10	0.25	0.15	0.25	0.30		
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	0.93	0.88	0.81	0.69	0.50	0.34						0.85	0.25	0.54	0.89	1.07		
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10						0.90	0.25	0.22	0.36	0.43		
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.62	1.60	1.59	1.55	1.48	1.39						0.10	0.20	0.05	0.09	0.11		
PA3 Line A	2.8	A-5	S33	B	Commercial, Industrial	56	36	76	2.44	2.42	2.39	2.35	2.26	2.14						0.10	0.30	0.08	0.14	0.17		
PA3 Line A	7.6	A-5	S33	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83						0.10	0.25	0.23	0.38	0.46		
PA3 Line A	0.4	A-5	S33	C	Public Park	69	50	86	0.18	0.17	0.15	0.13	0.10	0.06						0.85	0.25	0.10	0.17	0.20		
PA3 Line A	10.5	A-5	S33	D	Commercial, Industrial	75	57	91	9.43	9.36	9.26	9.07	8.66	8.12						0.10	0.20	0.32	0.53	0.63		
PA3 Line A	0.3	A-5	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05						0.90	0.20	0.08	0.14	0.16		
PA3 Line A	6.8	A-6	S33	B	Commercial, Industrial	56	36	76	5.92	5.87	5.81	5.70	5.48	5.19						0.10	0.30	0.20	0.34	0.41		
PA3 Line A	12.1	A-6	S33	C	Commercial, Industrial	69	50	86	10.75	10.66	10.55	10.33	9.87	9.28						0.10	0.25	0.36	0.61	0.73		
PA3 Line A	1	A-6	S33	C	Public Park	69	50	86	0.44	0.42	0.39	0.33	0.24	0.16						0.85	0.25	0.26	0.43	0.51		
PA3 Line A	4.5	A-6	S33	D	Commercial, Industrial	75	57	91	4.04	4.01	3.97	3.89	3.71	3.48						0.10	0.20	0.14	0.23	0.27		
PA3 Line A	3.4	A-8	S33	B	Commercial, Industrial	56	36	76	2.96	2.94	2.91	2.85	2.74	2.59						0.10	0.30	0.10	0.17	0.20		
PA3 Line A	6.7	A-8	S33	C	Commercial, Industrial	69	50	86	5.95	5.90	5.84	5.72	5.47	5.14						0.10	0.25	0.20	0.34	0.40		
PA3 Line A	0.1	A-8	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02						0.85	0.25	0.03	0.04	0.05		
PA3 Line A	2.5	A-8	S33	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93						0.10	0.20	0.08	0.13	0.15		
PA3 Line A	7.2	A-7	S33	B	Commercial, Industrial	56	36	76	6.27	6.22	6.16	6.04	5.80	5.49						0.10	0.30	0.22	0.36	0.43		
PA3 Line A	0.7	A-7	S33	B	Public Park	56	36	76	0.20	0.19	0.17	0.14	0.10	0.09						0.85	0.30	0.18	0.30	0.36		
PA3 Line A	7.6	A-7	S33	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83						0.10	0.25	0.23	0.38	0.46		
PA3 Line A	0.3	A-7	S33	C	Public Park	69	50	86	0.13	0.13	0.12	0.10	0.07	0.05						0.85	0.25	0.08	0.13	0.15		
PA3 Line A	4.7	A-7	S33	D	Commercial, Industrial	75	57	91	4.22	4.19	4.14	4.06	3.88	3.63						0.10	0.20	0.14	0.24	0.28		
PA3 Line A	0.4	A-7	S33	D	Public Park	75	57	91	0.21	0.20	0.19	0.17	0.12	0.09						0.85	0.20	0.10	0.17	0.20		
PA3 Line A	3.5	A-18	S33	B	Commercial, Industrial	56	36	76	3.05	3.02	2.99	2.94	2.82	2.67						0.10	0.30	0.11	0.18	0.21		
PA3 Line A	0.6	A-18	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05						0.90	0.30	0.16	0.27	0.32		
PA3 Line A	2.8	A-18	S33	C	Commercial, Industrial	69	50	86	2.49	2.47	2.44	2.39	2.29	2.15						0.10	0.25	0.08	0.14	0.17		
PA3 Line A	0.8	A-18	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10						0.90	0.25	0.22	0.36	0.43		
PA3 Line A	0.6	A-18	S33	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46						0.10	0.20	0.02	0.03	0.04		
PA3 Line A	0.4	A-9	S33	B	Apartments	56	36	76	0.32	0.31	0.31	0.30	0.29	0.27						0.20	0.30	0.02	0.04	0.05		
PA3 Line A	5.5	A-9	S33	C	Apartments	69	50	86	4.56	4.51	4.44	4.31	4.07	3.78						0.20	0.25	0.33	0.55	0.66		
PA3 Line A	3.2	A-9	S33	D	Apartments	75	57	91	2.72	2.69	2.65	2.57	2.42	2.24						0.20	0.20	0.19	0.32	0.38		
PA3 Line A	0.4	A-10	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05						0.90	0.25	0.11	0.18	0.22		
PA3 Line A	0.3	A-10	S33	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23						0.10	0.20	0.01	0.02	0.02		
PA3 Line A	1.3	A-10	S33	D																						

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13222 (Node 132C) to 13308 (Node 133T)

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13222 (Node 132C) to 13308 (Node 133T)

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	100											
						AMC			P ₂₄ (Inches)							5.63							
						II	I	III	AMC I/AMCII														
											EV		HC		All								
											> 5	5	2										

PA3 Line A	1.1	A-26	S33	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85		0.10	0.20	0.03	0.06	0.07	
PA3 Line A	4.7	A-26	S33	D	Residential 2.5 acre lots	75	57	91	2.37	2.25	2.08	1.80	1.30	0.83		0.90	0.20	1.27	2.12	2.54	
PA3 Line A	1.5	A-27	S33	B	Commercial, Industrial	56	36	76	1.31	1.30	1.28	1.26	1.21	1.14		0.10	0.30	0.05	0.08	0.09	
PA3 Line A	0.2	A-27	S33	B	Public Park	56	36	76	0.06	0.05	0.05	0.04	0.03	0.03		0.85	0.30	0.05	0.09	0.10	
PA3 Line A	1.1	A-27	S33	C	Apartments	69	50	86	0.91	0.90	0.89	0.86	0.81	0.76		0.20	0.25	0.07	0.11	0.13	
PA3 Line A	12.7	A-27	S33	C	Commercial, Industrial	69	50	86	11.28	11.19	11.07	10.84	10.36	9.74		0.10	0.25	0.38	0.64	0.76	
PA3 Line A	0.8	A-27	S33	C	Public Park	69	50	86	0.36	0.34	0.31	0.26	0.19	0.13		0.85	0.25	0.20	0.34	0.41	
PA3 Line A	4.1	A-27	S33	C	Residential 2.5 acre lots	69	50	86	1.70	1.59	1.45	1.21	0.82	0.50		0.90	0.25	1.11	1.85	2.21	
PA3 Line A	1.2	A-27	S33	D	Commercial, Industrial	75	57	91	1.08	1.07	1.06	1.04	0.99	0.93		0.10	0.20	0.04	0.06	0.07	
PA3 Line A	1.5	A-27	S33	D	Public Park	75	57	91	0.79	0.76	0.71	0.62	0.47	0.32		0.85	0.20	0.38	0.64	0.77	
PA3 Line A	0.1	A-27	S33	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.05	
PA3 Line A	1	A-28	S33	B	Commercial, Industrial	56	36	76	0.87	0.86	0.85	0.84	0.81	0.76		0.10	0.30	0.03	0.05	0.06	
PA3 Line A	1.3	A-28	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08	
PA3 Line A	12.6	A-28	S33	D	Commercial, Industrial	75	57	91	11.32	11.23	11.11	10.88	10.39	9.74		0.10	0.20	0.38	0.63	0.76	
PA3 Line A	1.1	A-28	S33	D	Public Park	75	57	91	0.58	0.55	0.52	0.45	0.34	0.23		0.85	0.20	0.28	0.47	0.56	
PA3 Line A	0.1	A-28	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01	
PA3 Line A	2.1	A-28	S33	D	Residential 2.5 acre lots	75	57	91	1.06	1.00	0.93	0.81	0.58	0.37		0.90	0.20	0.57	0.95	1.13	
PA3 Line A	2.2	A-29	S33	C	Commercial, Industrial	69	50	86	1.95	1.94	1.92	1.88	1.80	1.69		0.10	0.25	0.07	0.11	0.13	
PA3 Line A	0.4	A-29	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22	
PA3 Line A	0.6	A-30	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04	
PA3 Line A	0.6	A-30	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32	
PA3 Line A	1.8	A-30	S33	C	Commercial, Industrial	69	50	86	1.60	1.59	1.57	1.54	1.47	1.38		0.10	0.25	0.05	0.09	0.11	
PA3 Line A	1.4	A-30	S33	C	Residential 2.5 acre lots	69	50	86	0.58	0.54	0.50	0.41	0.28	0.17		0.90	0.25	0.38	0.63	0.76	
PA3 Line A	0.8	A-30	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05	
PA3 Line A	1.6	A-30	S33	D	Residential 2.5 acre lots	75	57	91	0.81	0.77	0.71	0.61	0.44	0.28		0.90	0.20	0.43	0.72	0.86	
PA3 Line A	2.5	A-31	S33	B	Commercial, Industrial	56	36	76	2.18	2.16	2.14	2.10	2.01	1.91		0.10	0.30	0.08	0.13	0.15	
PA3 Line A	0.3	A-31	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15	
PA3 Line A	0.1	A-31	S33	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01	
PA3 Line A	0.1	A-31	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05	
PA3 Line A	1.5	A-31	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.73	0.70	0.67	0.62	0.55	0.51		0.60	0.30	0.27	0.45	0.54	
PA3 Line A	0.2	A-31	S33	B	Residential 5-7 dwellings/acre	56	36	76	0.11	0.11	0.11	0.10	0.09	0.08		0.50	0.30	0.03	0.05	0.06	
PA3 Line A	2.9	A-31	S33	B	Residential 8-10 dwellings/acre	56	36	76	1.85	1.82	1.77	1.69	1.57	1.48		0.40	0.30	0.35	0.58	0.70	
PA3 Line A	4.7	A-31	S33	C	Commercial, Industrial	69	50	86	4.17	4.14	4.10	4.01	3.84	3.61		0.10	0.25	0.14	0.24	0.28	
PA3 Line A	1.3	A-31	S33	C	Public Park	69	50	86	0.58	0.54	0.50	0.43	0.31	0.21		0.85	0.25	0.33	0.55	0.66	
PA3 Line A	0.9	A-31	S33	C	Residential 10+ dwellings/acre	69	50	86	0.75	0.74	0.73	0.71	0.67	0.62		0.20	0.25	0.05	0.09	0.11	
PA3 Line A	0.1	A-31	S33	C	Residential 2.5 acre lots	69	50	86	0.04	0.04	0.04	0.03	0.02	0.01		0.90	0.25	0.03	0.05	0.05	
PA3 Line A	3.8	A-31	S33	C	Residential 3-4 dwellings/acre	69	50	86	2.25	2.18	2.08	1.92	1.64	1.38		0.60	0.25	0.68	1.14	1.37	
PA3 Line A	4.4	A-31	S33	C	Residential 5-7 dwellings/acre	69	50	86	2.87	2.79	2.70	2.53	2.24	1.95		0.50	0.25	0.66	1.10	1.32	
PA3 Line A	0.7	A-31	S33	C	Residential 8-10 dwellings/acre	69	50	86	0.50	0.49	0.47	0.45	0.41	0.37		0.40	0.25	0.08	0.14	0.17	
PA3 Line A	5	A-31	S33	D	Commercial, Industrial	75	57	91	4.49	4.46	4.41	4.32	4.12	3.87		0.10	0.20	0.15	0.25	0.30	
PA3 Line A	0.1	A-31	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05	
PA3 Line A	10.3	A-31	S33	D	Residential 10+ dwellings/acre	75	57	91	8.74	8.65	8.52	8.28	7.79	7.20		0.20	0.20	0.62	1.03	1.24	
PA3 Line A	0.1	A-31	S33	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.05	
PA3 Line A	1.3	A-31	S33	D	Residential 3-4 dwellings/acre	75	57	91	0.85	0.82	0.79	0.73	0.63	0.52		0.60	0.20	0.23	0.39	0.47	
PA3 Line A	3.9	A-31	S33	D	Residential 5-7 dwellings/acre	75	57	91	2.73	2.67	2.58	2.43	2.15	1.85		0.50	0.20	0.59	0.98	1.17	
PA3 Line A	2.3	A-31	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.73	1.69	1.65	1.57	1.42	1.26		0.40	0.20	0.28	0.46	0.55	
PA3 Line A	1.3	A-32	S33	B	Commercial, Industrial	56	36	76	1.13	1.12	1.11	1.09	1.05	0.99		0.10	0.30	0.04	0.07	0.08	
PA3 Line A	1.2	A-32	S33	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.24	0.19	0.13	0.10		0.90	0.30	0.32	0.54	0.65	
PA3 Line A	0.1	A-32	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.05	0.05	0.04	0.04	0.04	0.03		0.60	0.30	0.02	0.03	0.04	
PA3 Line A	1.3	A-32	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08	
PA3 Line A	0.1	A-32	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05	
PA3 Line A	3	A-32	S33	C	Residential 2.5 acre lots	69	50	86	1.24	1.16	1.06	0.89	0.60	0.36		0.90	0.25	0.81	1.35	1.62	
PA3 Line A	2.5	A-32	S33	C	Residential 3-4 dwellings/acre	69	50	86	1.48	1.43	1.37	1.26	1.08	0.91		0.60	0.25	0.45	0.75	0.90	
PA3 Line A	0.8	A-32	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05	
PA3 Line A	1.3	A-32	S33	D	Residential 2.5 acre lots	75	57	91	0.66	0.62	0.58	0.50	0.36	0.23		0.90	0.20	0.35	0.59	0.70	
PA3 Line A	3.3	A-32	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.15	2.09	2.01	1.86	1.59	1.32		0.60	0.20	0.59	0.99	1.19	
PA3 Line A	1.5	OA-4	S33	C	Open Brush, Fair	77	59	92	0.74	0.69	0.64	0.16	0.05	0.00		1.00	0.25	0.45	0.75	0.90	
PA3 Line A	0.4	OA-4	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24	
PA3 Line A	4.9	OA-5	S33	C	Open Brush, Fair	77	59	92	2.40	2.27	2.08	0.53	0.17	0.00		1.00	0.25	1.47	2.45	2.94	
PA3 Line A	2.4	OA-5	S33	C	Woodland, Grass, Fair	77	59	92	1.18	1.11	1.02	0.26	0.08	0.00		1.00	0.25	0.72	1.20	1.44	
PA3 Line A	5.1	OA-6	S33	C	Open Brush, Fair	77	59	92	2.50	2.36	2.17	0.55	0.18	0.00		1.00	0.25	1.53	2.55	3.06	
PA3 Line A	4	OA-6	S33	C	Woodland, Grass, Fair	77	59	92	1.96	1.85	1.70	0.43	0.14	0.00		1.00	0.25	1.20	2.00	2.40	
PA3 Line A	0.3	OA-7	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.14	0.13	0.12	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18	
PA3 Line A	5.7	OA-7	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	3.22	3.08	2.87	0.93	0.42	0.00		1.00	0.25	1.71	2.85	3.42	
PA3 Line A	3.4	OA-7	S33	C	Open Brush, Fair	77	59	92	1.67	1.57	1.45	0.37	0.12	0.00		1.00	0.25	1.02	1.70	2.04	
PA3 Line A	0.1	OA-7	S33	C	Woodland, Grass, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06	
PA3 Line A	2.1	OA-7	S33	D	Chaparral, Narrowleaf, Fair	86	72	97													

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13222 (Node 132C) to 13308 (Node 133t)

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	100	Storm Event (Year)										
						AMC			P ₂₄ (Inches)					EV					HC				
						II	I	III															

RANCHO MISSION VIEJO																										
PA-3 (Existing Condition Gobernadora Local Hydrology Node 13305)																										
Unit Hydrograph Method Loss Rate Parameter Development - Watershed S33																										
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)							
							EV																			
							100 50 25 10 5 2 100												HC							
							AMC												P ₂₄ (Inches)					5.63		
						II	I	III	AMC I/AMCII																	
PA3 Line A	1.1	OA-1	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66						
PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.41	0.38	0.35	0.08	0.02	0.00		1.00	0.25	0.27	0.45	0.54						
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00		1.00	0.25	0.78	1.30	1.56						
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08		0.90	0.25	0.19	0.32	0.38						
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.39	0.33	0.22	0.13		0.90	0.25	0.30	0.50	0.59						
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77		0.10	0.25	0.03	0.05	0.06						
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07						
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.08	0.07	0.06	0.05	0.03	0.03		0.90	0.30	0.08	0.14	0.16						
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	5.86	5.82	5.75	5.63	5.39	5.06		0.10	0.25	0.20	0.33	0.40						
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.70	0.64	0.53	0.36	0.22		0.90	0.25	0.49	0.81	0.97						
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04						
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.46	3.44	3.40	3.33	3.18	2.99		0.10	0.25	0.12	0.20	0.23						
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10						
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.27	0.18	0.11		0.90	0.25	0.24	0.41	0.49						
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04						
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15						
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.06	0.04	0.03		0.90	0.30	0.11	0.18	0.22						
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84		0.10	0.25	0.15	0.25	0.30						
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	0.93	0.88	0.81	0.69	0.50	0.34		0.85	0.25	0.54	0.89	1.07						
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10		0.90	0.25	0.22	0.36	0.43						
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.62	1.60	1.59	1.55	1.48	1.39		0.10	0.20	0.05	0.09	0.11						
PA3 Line A	2.8	A-5	S33	B	Commercial, Industrial	56	36	76	2.44	2.42	2.39	2.35	2.26	2.14		0.10	0.30	0.08	0.14	0.17						
PA3 Line A	7.6	A-5	S33	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83		0.10	0.25	0.23	0.38	0.46						
PA3 Line A	0.4	A-5	S33	C	Public Park	69	50	86	0.18	0.17	0.15	0.13	0.10	0.06		0.85	0.25	0.10	0.17	0.20						
PA3 Line A	10.5	A-5	S33	D	Commercial, Industrial	75	57	91	9.43	9.36	9.26	9.07	8.66	8.12		0.10	0.20	0.32	0.53	0.63						
PA3 Line A	0.3	A-5	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16						
PA3 Line A	6.8	A-6	S33	B	Commercial, Industrial	56	36	76	5.92	5.87	5.81	5.70	5.48	5.19		0.10	0.30	0.20	0.34	0.41						
PA3 Line A	12.1	A-6	S33	C	Commercial, Industrial	69	50	86	10.75	10.66	10.55	10.33	9.87	9.28		0.10	0.25	0.36	0.61	0.73						
PA3 Line A	1	A-6	S33	C	Public Park	69	50	86	0.44	0.42	0.39	0.33	0.24	0.16		0.85	0.25	0.26	0.43	0.51						
PA3 Line A	4.5	A-6	S33	D	Commercial, Industrial	75	57	91	4.04	4.01	3.97	3.89	3.71	3.48		0.10	0.20	0.14	0.23	0.27						
PA3 Line A	3.4	A-8	S33	B	Commercial, Industrial	56	36	76	2.96	2.94	2.91	2.85	2.74	2.59		0.10	0.30	0.10	0.17	0.20						
PA3 Line A	6.7	A-8	S33	C	Commercial, Industrial	69	50	86	5.95	5.90	5.84	5.72	5.47	5.14		0.10	0.25	0.20	0.34	0.40						
PA3 Line A	0.1	A-8	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05						
PA3 Line A	2.5	A-8	S33	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93		0.10	0.20	0.08	0.13	0.15						
PA3 Line A	7.2	A-7	S33	B	Commercial, Industrial	56	36	76	6.27	6.22	6.16	6.04	5.80	5.49		0.10	0.30	0.22	0.36	0.43						
PA3 Line A	0.7	A-7	S33	B	Public Park	56	36	76	0.20	0.19	0.17	0.14	0.10	0.09		0.85	0.30	0.18	0.30	0.36						
PA3 Line A	7.6	A-7	S33	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83		0.10	0.25	0.23	0.38	0.46						
PA3 Line A	0.3	A-7	S33	C	Public Park	69	50	86	0.13	0.13	0.12	0.10	0.07	0.05		0.85	0.25	0.08	0.13	0.15						
PA3 Line A	4.7	A-7	S33	D	Commercial, Industrial	75	57	91	4.22	4.19	4.14	4.06	3.88	3.63		0.10	0.20	0.14	0.24	0.28						
PA3 Line A	0.4	A-7	S33	D	Public Park	75	57	91	0.21	0.20	0.19	0.17	0.12	0.09		0.85	0.20	0.10	0.17	0.20						
PA3 Line A	3.5	A-18	S33	B	Commercial, Industrial	56	36	76	3.05	3.02	2.99	2.94	2.82	2.67		0.10	0.30	0.11	0.18	0.21						
PA3 Line A	0.6	A-18	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32						
PA3 Line A	2.8	A-18	S33	C	Commercial, Industrial	69	50	86	2.49	2.47	2.44	2.39	2.29	2.15		0.10	0.25	0.08	0.14	0.17						
PA3 Line A	0.8	A-18	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10		0.90	0.25	0.22	0.36	0.43						
PA3 Line A	0.6	A-18	S33	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46		0.10	0.20	0.02	0.03	0.04						
PA3 Line A	0.4	A-9	S33	B	Apartments	56	36	76	0.32	0.31	0.31	0.30	0.29	0.27		0.20	0.30	0.02	0.04	0.05						
PA3 Line A	5.5	A-9	S33	C	Apartments	69	50	86	4.56	4.51	4.44	4.31	4.07	3.78		0.20	0.25	0.33	0.55	0.66						
PA3 Line A	3.2	A-9	S33	D	Apartments	75	57	91	2.72	2.69	2.65	2.57	2.42	2.24		0.20	0.20	0.19	0.32	0.38						
PA3 Line A	0.4	A-10	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22						
PA3 Line A	0.3	A-10	S33	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02						
PA3 Line A	1.3	A-10	S33	D	Public Park	75	57	91	0.69	0.66	0.61	0.54	0.40	0.28		0.85	0.20	0.33	0.55	0.66						
PA3 Line A	1	A-10	S33	D	Residential 2.5 acre lots	75	57	91	0.50	0.48	0.44	0.38	0.28	0.18		0.90	0.20	0.27	0.45	0.54						
PA3 Line A	2.3	A-11	S33	C	Commercial, Industrial	69	50	86	2.04	2.03	2.00	1.96	1.88	1.76		0.10	0.25	0.07	0.12	0.14						
PA3 Line A	0.3	A-11	S33	C	Residential 2.5 acre lots	69	50	86	0.12	0.12	0.11	0.09	0.06	0.04		0.90	0.25	0.08	0.14	0.16						
PA3 Line A	1	A-11	S33	D	Commercial, Industrial	75	57	91	0.90	0.89	0.88	0.86	0.82	0.77		0.10	0.20	0.03	0.05	0.06						
PA3 Line A	0.3	A-11	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16						
PA3 Line A	5	A-12	S33	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84		0.10	0.25	0.15	0.25	0.30						

RANCHO MISSION VIEJO																								
PA-3 (Existing Condition Gobernadora Local Hydrology Node 13305)																								
Unit Hydrograph Method Loss Rate Parameter Development - Watershed S33																								
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											
							100	50	25	10	5	2												
														P ₂₄ (Inches)										
														AMC I/AMCII										
II	I	III																						
PA3 Line A	3.8	A-15	S33	C	Residential 2.5 acre lots	69	50	86	1.58	1.48	1.34	1.13	0.76	0.46		0.90	0.25	1.03	1.71	2.05				
PA3 Line A	5.3	OA-3	S33	C	Open Brush, Fair	77	59	92	2.60	2.45	2.25	0.57	0.19	0.00		1.00	0.25	1.59	2.65	3.18				
PA3 Line A	0.3	OA-3	S33	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18				
PA3 Line A	3.4	A-16	S33	B	Commercial, Industrial	56	36	76	2.96	2.94	2.91	2.85	2.74	2.59		0.10	0.30	0.10	0.17	0.20				
PA3 Line A	11	A-16	S33	C	Commercial, Industrial	69	50	86	9.77	9.69	9.59	9.39	8.98	8.44		0.10	0.25	0.33	0.55	0.66				
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.80	0.75	0.70	0.60	0.43	0.29		0.85	0.25	0.46	0.77	0.92				
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18		0.90	0.25	0.41	0.68	0.81				
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.87	2.85	2.82	2.76	2.64	2.47		0.10	0.20	0.10	0.16	0.19				
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.70	2.68	2.65	2.60	2.50	2.37		0.10	0.30	0.09	0.16	0.19				
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.41	0.38	0.34	0.28	0.21	0.18		0.85	0.30	0.36	0.60	0.71				
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.28	0.25	0.22	0.18	0.11	0.09		0.90	0.30	0.30	0.50	0.59				
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.53	4.49	4.45	4.35	4.16	3.91		0.10	0.25	0.15	0.26	0.31				
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	0.84	0.80	0.73	0.63	0.45	0.31		0.85	0.25	0.48	0.81	0.97				
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.49	1.40	1.27	1.07	0.72	0.44		0.90	0.25	0.97	1.62	1.94				
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.43	2.41	2.38	2.33	2.23	2.09		0.10	0.20	0.08	0.14	0.16				
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05				
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.25	0.24	0.22	0.19	0.14	0.09		0.90	0.20	0.14	0.23	0.27				
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07				
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.20	3.17	3.14	3.07	2.94	2.76		0.10	0.25	0.11	0.18	0.22				
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38		0.10	0.25	0.02	0.03	0.03				
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10				
PA3 Line A	2.7	A-20	S33	C	Residential 10+ dwellings/acre	69	50	86	2.24	2.21	2.18	2.12	2.00	1.85		0.20	0.25	0.16	0.27	0.32				
PA3 Line A	1.4	A-20	S33	C	Residential 2.5 acre lots	69	50	86	0.58	0.54	0.50	0.41	0.28	0.17		0.90	0.25	0.38	0.63	0.76				
PA3 Line A	0.1	A-20	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05				
PA3 Line A	1.3	A-20	S33	D	Residential 10+ dwellings/acre	75	57	91	1.10	1.09	1.07	1.04	0.98	0.91		0.20	0.20	0.08	0.13	0.16				
PA3 Line A	0.2	A-20	S33	D	Residential 2.5 acre lots	75	57	91	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.20	0.05	0.09	0.11				
PA3 Line A	5.4	A-21	S33	C	Residential 10+ dwellings/acre	69	50	86	4.48	4.43	4.36	4.23	3.99	3.71		0.20	0.25	0.32	0.54	0.65				
PA3 Line A	2.4	A-21	S33	C	Residential 2.5 acre lots	69	50	86	0.99	0.93	0.85	0.71	0.48	0.29		0.90	0.25	0.65	1.08	1.30				
PA3 Line A	0.7	A-21	S33	C	Commercial, Industrial	69	50	86	0.62	0.62	0.61	0.60	0.57	0.54		0.10	0.25	0.02	0.04	0.04				
PA3 Line A	0.6	A-21	S33	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.23	0.17	0.11		0.90	0.20	0.16	0.27	0.32				
PA3 Line A	7.6	A-22	S33	C	Apartments	69	50	86	6.30	6.23	6.13	5.96	5.62	5.22		0.20	0.25	0.46	0.76	0.91				
PA3 Line A	1.4	A-22	S33	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.14	1.07		0.10	0.25	0.04	0.07	0.08				
PA3 Line A	2.3	A-22	S33	C	Residential 10+ dwellings/acre	69	50	86	1.91	1.89	1.86	1.80	1.70	1.58		0.20	0.25	0.14	0.23	0.28				
PA3 Line A	6.5	A-22	S33	C	Residential 2.5 acre lots	69	50	86	2.69	2.52	2.30	1.92	1.30	0.79		0.90	0.25	1.76	2.93	3.51				
PA3 Line A	8.4	A-22	S33	C	Residential 3-4 dwellings/acre	69	50	86	4.97	4.81	4.60	4.24	3.62	3.05		0.60	0.25	1.51	2.52	3.02				
PA3 Line A	0.5	A-22	S33	D	Apartments	75	57	91	0.42	0.42	0.41	0.40	0.38	0.35		0.20	0.20	0.03	0.05	0.06				
PA3 Line A	0.3	A-22	S33	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02				
PA3 Line A	1.1	A-22	S33	D	Public Park	75	57	91	0.58	0.55	0.52	0.45	0.34	0.23		0.85	0.20	0.28	0.47	0.56				
PA3 Line A	2	A-22	S33	D	Residential 10+ dwellings/acre	75	57	91	1.70	1.68	1.65	1.61	1.51	1.40		0.20	0.20	0.12	0.20	0.24				
PA3 Line A	3.8	A-22	S33	D	Residential 2.5 acre lots	75	57	91	1.92	1.82	1.69	1.46	1.05	0.67		0.90	0.20	1.03	1.71	2.05				
PA3 Line A	3.8	A-22	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.48	2.41	2.31	2.14	1.83	1.52		0.60	0.20	0.68	1.14	1.37				
PA3 Line A	0.1	A-23	S33	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.25	0.01	0.01	0.01				
PA3 Line A	1.6	A-23	S33	C	Commercial, Industrial	69	50	86	1.42	1.41	1.39	1.37	1.31	1.23		0.10	0.25	0.05	0.08	0.10				
PA3 Line A	0.2	A-23	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10				
PA3 Line A	0.3	A-23	S33	D	Apartments	75	57	91	0.25	0.25	0.25	0.24	0.23	0.21		0.20	0.20	0.02	0.03	0.04				
PA3 Line A	2.1	A-23	S33	D	Commercial, Industrial	75	57	91	1.89	1.87	1.85	1.81	1.73	1.62		0.10	0.20	0.06	0.11	0.13				
PA3 Line A	0.6	A-23	S33	D	Public Park	75	57	91	0.32	0.30	0.28	0.25	0.19	0.13		0.85	0.20	0.15	0.26	0.31				
PA3 Line A	0.2	A-23	S33	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14		0.20	0.20	0.01	0.02	0.02				
PA3 Line A	0.5	A-25	S33	C	Apartments	69	50	86	0.41	0.41	0.40	0.39	0.37	0.34		0.20	0.25	0.03	0.05	0.06				
PA3 Line A	1.2	A-25	S33	C	Commercial, Industrial	69	50	86	1.07	1.06	1.05	1.02	0.98	0.92		0.10	0.25	0.04	0.06	0.07				
PA3 Line A	1.2	A-25	S33	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15		0.90	0.25	0.32	0.54	0.65				
PA3 Line A	0.1	A-25	S33	D	Apartments	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01				
PA3 Line A	1.6	A-25	S33	D	Commercial, Industrial	75	57	91	1.44	1.43	1.41	1.38	1.32	1.24		0.10	0.20	0.05	0.08	0.10				
PA3 Line A	3	A-25	S33	D	Residential 2.5 acre lots	75	57	91	1.51	1.43	1.33	1.15	0.83	0.53		0.90	0.20	0.81	1.35	1.62				
PA3 Line A	1.9	A-25.1	S33	C	Apartments	69	50	86	1.58	1.56	1.53	1.49	1.40	1.30		0.20	0.25	0.11	0.19	0.23				
PA3 Line A	0.6	A-25.1	S33	C	Residential 2.5 acre lots	69	50	86	0.25	0.23	0.21	0.18	0.12	0.07		0.90	0.25	0.16	0.27	0.32				
PA3 Line A	0.3	A-25.1	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.18	0.17	0.16	0.15	0.13	0.11		0.60	0.25	0.05	0.09	0.11				
PA3 Line A	5	A-25.1	S33	D	Apartments	75	57	91	4.24	4.20	4.13	4.02												

RANCHO MISSION VIEJO																							
PA-3 (Existing Condition Gobernadora Local Hydrology Node 13305)																							
Unit Hydrograph Method Loss Rate Parameter Development - Watershed S33																							
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	100	Storm Event (Year)									
							AMC					P ₂₄ (Inches)											
							II	I	III	AMC I/AMCII					5.63	> 5			5	2	All		
PA3 Line A	12.7	A-27	S33	C	Commercial, Industrial	69	50	86	11.28	11.19	11.07	10.84	10.36	9.74		0.10	0.25	0.38	0.64	0.76			
PA3 Line A	0.8	A-27	S33	C	Public Park	69	50	86	0.36	0.34	0.31	0.26	0.19	0.13		0.85	0.25	0.20	0.34	0.41			
PA3 Line A	4.1	A-27	S33	C	Residential 2.5 acre lots	69	50	86	1.70	1.59	1.45	1.21	0.82	0.50		0.90	0.25	1.11	1.85	2.21			
PA3 Line A	1.2	A-27	S33	D	Commercial, Industrial	75	57	91	1.08	1.07	1.06	1.04	0.99	0.93		0.10	0.20	0.04	0.06	0.07			
PA3 Line A	1.5	A-27	S33	D	Public Park	75	57	91	0.79	0.76	0.71	0.62	0.47	0.32		0.85	0.20	0.38	0.64	0.77			
PA3 Line A	0.1	A-27	S33	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.05			
PA3 Line A	1	A-28	S33	B	Commercial, Industrial	56	36	76	0.87	0.86	0.85	0.84	0.81	0.76		0.10	0.30	0.03	0.05	0.06			
PA3 Line A	1.3	A-28	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08			
PA3 Line A	12.6	A-28	S33	D	Commercial, Industrial	75	57	91	11.32	11.23	11.11	10.88	10.39	9.74		0.10	0.20	0.38	0.63	0.76			
PA3 Line A	1.1	A-28	S33	D	Public Park	75	57	91	0.58	0.55	0.52	0.45	0.34	0.23		0.85	0.20	0.28	0.47	0.56			
PA3 Line A	0.1	A-28	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
PA3 Line A	2.1	A-28	S33	D	Residential 2.5 acre lots	75	57	91	1.06	1.00	0.93	0.81	0.58	0.37		0.90	0.20	0.57	0.95	1.13			
PA3 Line A	2.2	A-29	S33	C	Commercial, Industrial	69	50	86	1.95	1.94	1.92	1.88	1.80	1.69		0.10	0.25	0.07	0.11	0.13			
PA3 Line A	0.4	A-29	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22			
PA3 Line A	0.6	A-30	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04			
PA3 Line A	0.6	A-30	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32			
PA3 Line A	1.8	A-30	S33	C	Commercial, Industrial	69	50	86	1.60	1.59	1.57	1.54	1.47	1.38		0.10	0.25	0.05	0.09	0.11			
PA3 Line A	1.4	A-30	S33	C	Residential 2.5 acre lots	69	50	86	0.58	0.54	0.50	0.41	0.28	0.17		0.90	0.25	0.38	0.63	0.76			
PA3 Line A	0.8	A-30	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05			
PA3 Line A	1.6	A-30	S33	D	Residential 2.5 acre lots	75	57	91	0.81	0.77	0.71	0.61	0.44	0.28		0.90	0.20	0.43	0.72	0.86			
PA3 Line A	2.5	A-31	S33	B	Commercial, Industrial	56	36	76	2.18	2.16	2.14	2.10	2.01	1.91		0.10	0.30	0.08	0.13	0.15			
PA3 Line A	0.3	A-31	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15			
PA3 Line A	0.1	A-31	S33	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01			
PA3 Line A	0.1	A-31	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05			
PA3 Line A	1.5	A-31	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.73	0.70	0.67	0.62	0.55	0.51		0.60	0.30	0.27	0.45	0.54			
PA3 Line A	0.2	A-31	S33	B	Residential 5-7 dwellings/acre	56	36	76	0.11	0.11	0.11	0.10	0.09	0.08		0.50	0.30	0.03	0.05	0.06			
PA3 Line A	2.9	A-31	S33	B	Residential 8-10 dwellings/acre	56	36	76	1.85	1.82	1.77	1.69	1.57	1.48		0.40	0.30	0.35	0.58	0.70			
PA3 Line A	4.7	A-31	S33	C	Commercial, Industrial	69	50	86	4.17	4.14	4.10	4.01	3.84	3.61		0.10	0.25	0.14	0.24	0.28			
PA3 Line A	1.3	A-31	S33	C	Public Park	69	50	86	0.58	0.54	0.50	0.43	0.31	0.21		0.85	0.25	0.33	0.55	0.66			
PA3 Line A	0.9	A-31	S33	C	Residential 10+ dwellings/acre	69	50	86	0.75	0.74	0.73	0.71	0.67	0.62		0.20	0.25	0.05	0.09	0.11			
PA3 Line A	0.1	A-31	S33	C	Residential 2.5 acre lots	69	50	86	0.04	0.04	0.04	0.03	0.02	0.01		0.90	0.25	0.03	0.05	0.05			
PA3 Line A	3.8	A-31	S33	C	Residential 3-4 dwellings/acre	69	50	86	2.25	2.18	2.08	1.92	1.64	1.38		0.60	0.25	0.68	1.14	1.37			
PA3 Line A	4.4	A-31	S33	C	Residential 5-7 dwellings/acre	69	50	86	2.87	2.79	2.70	2.53	2.24	1.95		0.50	0.25	0.66	1.10	1.32			
PA3 Line A	0.7	A-31	S33	C	Residential 8-10 dwellings/acre	69	50	86	0.50	0.49	0.47	0.45	0.41	0.37		0.40	0.25	0.08	0.14	0.17			
PA3 Line A	5	A-31	S33	D	Commercial, Industrial	75	57	91	4.49	4.46	4.41	4.32	4.12	3.87		0.10	0.20	0.15	0.25	0.30			
PA3 Line A	0.1	A-31	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	10.3	A-31	S33	D	Residential 10+ dwellings/acre	75	57	91	8.74	8.65	8.52	8.28	7.79	7.20		0.20	0.20	0.62	1.03	1.24			
PA3 Line A	0.1	A-31	S33	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.05			
PA3 Line A	1.3	A-31	S33	D	Residential 3-4 dwellings/acre	75	57	91	0.85	0.82	0.79	0.73	0.63	0.52		0.60	0.20	0.23	0.39	0.47			
PA3 Line A	3.9	A-31	S33	D	Residential 5-7 dwellings/acre	75	57	91	2.73	2.67	2.58	2.43	2.15	1.85		0.50	0.20	0.59	0.98	1.17			
PA3 Line A	2.3	A-31	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.73	1.69	1.65	1.57	1.42	1.26		0.40	0.20	0.28	0.46	0.55			
PA3 Line A	1.3	A-32	S33	B	Commercial, Industrial	56	36	76	1.13	1.12	1.11	1.09	1.05	0.99		0.10	0.30	0.04	0.07	0.08			
PA3 Line A	1.2	A-32	S33	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.24	0.19	0.13	0.10		0.90	0.30	0.32	0.54	0.65			
PA3 Line A	0.1	A-32	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.05	0.05	0.04	0.04	0.04	0.03		0.60	0.30	0.02	0.03	0.04			
PA3 Line A	1.3	A-32	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08			
PA3 Line A	0.1	A-32	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05			
PA3 Line A	3	A-32	S33	C	Residential 2.5 acre lots	69	50	86	1.24	1.16	1.06	0.89	0.60	0.36		0.90	0.25	0.81	1.35	1.62			
PA3 Line A	2.5	A-32	S33	C	Residential 3-4 dwellings/acre	69	50	86	1.48	1.43	1.37	1.26	1.08	0.91		0.60	0.25	0.45	0.75	0.90			
PA3 Line A	0.8	A-32	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05			
PA3 Line A	1.3	A-32	S33	D	Residential 2.5 acre lots	75	57	91	0.66	0.62	0.58	0.50	0.36	0.23		0.90	0.20	0.35	0.59	0.70			
PA3 Line A	3.3	A-32	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.15	2.09	2.01	1.86	1.59	1.32		0.60	0.20	0.59	0.99	1.19			
PA3 Line A	1.5	OA-4	S33	C	Open Brush, Fair	77	59	92	0.74	0.69	0.64	0.16	0.05	0.00		1.00	0.25	0.45	0.75	0.90			
PA3 Line A	0.4	OA-4	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24			
PA3 Line A	4.9	OA-5	S33	C	Open Brush, Fair	77	59	92	2.40	2.27	2.08	0.53	0.17	0.00		1.00	0.25	1.47	2.45	2.94			
PA3 Line A	2.4	OA-5	S33	C	Woodland, Grass, Fair	77	59	92	1.18	1.11	1.02	0.26	0.08	0.00		1.00	0.25	0.72	1.20	1.44			
PA3 Line A	5.1	OA-6	S33	C	Open Brush, Fair	77	59	92	2.50	2.36	2.17	0.55	0.18	0.00		1.00	0.25	1.53	2.55	3.06			
PA3 Line A	4	OA-6	S33	C	Woodland, Grass, Fair	77	59	92	1.96	1.85	1.70	0.43	0.14	0.00		1.00	0.25	1.20	2.00	2.40			
PA3 Line A	0.3	OA-7	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.14	0.13	0.12	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18			
PA3 Line A	5.7	OA-7	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	3.22	3.08													

RANCHO MISSION VIEJO PA-3 (Existing Condition Gobernadora Local Hydrology Node 13305) Unit Hydrograph Method Loss Rate Parameter Development - Watershed S33																												
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	100																
						AMC						P ₂₄ (Inches)										Storm Event (Year)						
						II	I	III	AMC I/AMC II											5.63	> 5	5	2	HC All				
PA3 Line A	1.3	OA-9	S33	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.14	0.05	0.00		1.00	0.25	0.39	0.65	0.78								
PA3 Line A	4.5	OA-9	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.55	2.43	2.27	0.74	0.33	0.06		1.00	0.20	1.35	2.25	2.70								
PA3 Line A	1.3	OA-9	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	0.87	0.84	0.80	0.35	0.20	0.08		1.00	0.20	0.39	0.65	0.78								
PA3 Line A	3.7	OA-9	S33	D	Open Brush, Fair	83	67	96	2.24	2.15	2.02	0.74	0.38	0.10		1.00	0.20	1.11	1.85	2.22								
PA3 Line A	1.6	A-33	S33	B	Fallow	86	72	97	1.07	1.03	0.98	0.43	0.25	0.10		1.00	0.30	0.48	0.80	0.96								
PA3 Line A	1.3	A-33	S33	B	Open Brush, Fair	66	46	84	0.40	0.37	0.32	0.02	0.00	0.00		1.00	0.30	0.39	0.65	0.78								
PA3 Line A	2.6	A-33	S33	B	Residential 2.5 acre lots	56	36	76	0.66	0.60	0.53	0.42	0.27	0.22		0.90	0.30	0.70	1.17	1.40								
PA3 Line A	1.9	A-33	S33	B	Woodland, Grass, Fair	65	45	83	0.56	0.51	0.44	0.02	0.00	0.00		1.00	0.30	0.57	0.95	1.14								
PA3 Line A	0.7	A-33	S33	C	Fallow	91	80	98	0.54	0.53	0.52	0.29	0.21	0.12		1.00	0.25	0.21	0.35	0.42								
PA3 Line A	0.8	A-33	S33	C	Open Brush, Fair	77	59	92	0.39	0.37	0.34	0.09	0.03	0.00		1.00	0.25	0.24	0.40	0.48								
PA3 Line A	0.1	A-33	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05								
PA3 Line A	1.5	A-33	S33	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18		0.90	0.25	0.41	0.68	0.81								
PA3 Line A	0.4	A-33	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24								
PA3 Line A	0.1	A-33	S33	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06								
PA3 Line A	0.3	A-33	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16								
	0.1	HZ-206	S33	A	Barren	78	61	93	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.40	0.03	0.05	0.06								
	2.6	HZ-206	S33	A	Open Brush, Fair	46	28	66	0.19	0.15	0.10	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56								
	3.1	HZ-206	S33	A	Row Crops, Poor	72	53	89	1.25	1.16	1.04	0.17	0.02	0.00		1.00	0.40	0.93	1.55	1.86								
	0.4	HZ-206	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24								
	0.2	HZ-206	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12								
	13.8	HZ-206	S33	B	Open Brush, Fair	66	46	84	4.27	3.88	3.37	0.18	0.00	0.00		1.00	0.30	4.14	6.90	8.28								
	34.6	HZ-206	S33	B	Row Crops, Poor	81	64	95	19.57	18.67	17.44	5.67	2.57	0.46		1.00	0.30	10.38	17.30	20.76								
	2.4	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.71	0.64	0.55	0.02	0.00	0.00		1.00	0.30	0.72	1.20	1.44								
	22.6	HZ-206	S33	C	Open Brush, Fair	77	59	92	11.09	10.46	9.61	2.43	0.80	0.01		1.00	0.25	6.78	11.30	13.56								
	11.6	HZ-206	S33	C	Row Crops, Poor	88	75	98	8.23	8.00	7.67	3.71	2.38	1.14		1.00	0.25	3.48	5.80	6.96								
	0.4	HZ-206	S33	D	Apartments	75	57	91	0.34	0.34	0.33	0.32	0.30	0.28		0.20	0.20	0.02	0.04	0.05								
	4.8	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.71	2.59	2.42	0.79	0.36	0.06		1.00	0.20	1.44	2.40	2.88								
	1.6	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.00	0.96	0.91	0.35	0.19	0.06		1.00	0.20	0.48	0.80	0.96								
	46.4	HZ-206	S33	D	Open Brush, Fair	83	67	96	28.07	26.92	25.36	9.31	4.75	1.30		1.00	0.20	13.92	23.20	27.84								
	0.1	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01								
	60.7	HZ-206	S33	D	Row Crops, Poor	91	80	98	47.16	46.15	44.73	25.24	17.99	10.61		1.00	0.20	18.21	30.35	36.42								
	5.8	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.39	3.25	3.05	1.06	0.51	0.12		1.00	0.20	1.74	2.90	3.48								
	0.2	HZ-207	S33	A	Barren	78	61	93	0.10	0.10	0.09	0.02	0.01	0.00		1.00	0.40	0.06	0.10	0.12								
	0.4	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24								
	0.8	HZ-207	S33	B	Barren	86	72	97	0.53	0.52	0.49	0.21	0.13	0.05		1.00	0.30	0.24	0.40	0.48								
	1.4	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.22	1.21	1.20	1.17	1.13	1.07		0.10	0.30	0.04	0.07	0.08								
	2.6	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.92	0.85	0.75	0.08	0.00	0.00		1.00	0.30	0.78	1.30	1.56								
	2.2	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.68	0.62	0.54	0.03	0.00	0.00		1.00	0.30	0.66	1.10	1.32								
	3.1	HZ-207	S33	B	Row Crops, Poor	81	64	95	1.75	1.67	1.56	0.51	0.23	0.04		1.00	0.30	0.93	1.55	1.86								
	3.4	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.00	0.91	0.78	0.03	0.00	0.00		1.00	0.30	1.02	1.70	2.04								
	0.5	HZ-207	S33	D	Barren	93	83	99	0.41	0.40	0.40	0.25	0.19	0.12		1.00	0.20	0.15	0.25	0.30								
	0.2	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.11	0.11	0.10	0.03	0.01	0.00		1.00	0.20	0.06	0.10	0.12								
	3.6	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.23	3.21	3.17	3.11	2.97	2.78		0.10	0.20	0.11	0.18	0.22								
	4	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.50	2.40	2.27	0.88	0.47	0.15		1.00	0.20	1.20	2.00	2.40								
	14.6	HZ-207	S33	D	Open Brush, Fair	83	67	96	8.83	8.47	7.98	2.93	1.50	0.41		1.00	0.20	4.38	7.30	8.76								
	6.3	HZ-207	S33	D	Row Crops, Poor	91	80	98	4.89	4.79	4.64	2.62	1.87	1.10		1.00	0.20	1.89	3.15	3.78								
	3.7	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.17	2.07	1.94	0.67	0.32	0.07		1.00	0.20	1.11	1.85	2.22								
	0.3	HZ-31100	S33	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18								
	0.5	HZ-31100	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30								
	0.3	HZ-31100	S33	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18								
	0.1	HZ-31101	S33	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06								
	0.5	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30								
	0.7	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.42	0.41	0.38	0.14	0.07	0.02		1.00	0.20	0.21	0.35	0.42								
	0.1	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06								
	0.3	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.17	0.16	0.15	0.05	0.02	0.00		1.00	0.20	0.09	0.15	0.18								
	1.9	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.15	1.10	1.04	0.38	0.19	0.05		1.00	0.20	0.57	0.95	1.14								
	1.1	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66								
	2.5	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.51	1.45	1.37	0.50	0.26	0.07		1.00	0.20	0.75	1.25	1.50								
	0.7	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.32	0.30	0.27	0.06	0.02	0.00		1.00	0.25	0.21	0.35	0.42								
	3	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.47	1.39	1.28	0.32	0.11	0.00		1.00	0.25	0.90	1.50	1.80								
	0.6	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36								
	2.1	HZ-31104	S33	D	Open Brush, Fair	83	6																					

RANCHO MISSION VIEJO
PA-3 (Existing Condition Gobernadora Local Hydrology Node 13305)
Unit Hydrograph Method Loss Rate Parameter Development - Watershed S33

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III						AMC I/AMCII	5.63								
	1.9	HZ-31106	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.86	0.81	0.74	0.16	0.04	0.00		1.00	0.25	0.57	0.95	1.14			
	8.2	HZ-31106	S33	C	Open Brush, Fair	77	59	92	4.02	3.79	3.49	0.88	0.29	0.00		1.00	0.25	2.46	4.10	4.92			
	2.7	HZ-31106	S33	D	Open Brush, Fair	83	67	96	1.63	1.57	1.48	0.54	0.28	0.08		1.00	0.20	0.81	1.35	1.62			
	0.5	HZ-31107	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.13	0.12	0.10	0.00	0.00	0.00		1.00	0.30	0.15	0.25	0.30			
	1.1	HZ-31107	S33	B	Open Brush, Fair	66	46	84	0.34	0.31	0.27	0.01	0.00	0.00		1.00	0.30	0.33	0.55	0.66			
	6.5	HZ-31107	S33	C	Chaparral, Broadleaf, Fair	75	57	91	2.96	2.77	2.53	0.55	0.14	0.00		1.00	0.25	1.95	3.25	3.90			
	5.5	HZ-31107	S33	C	Open Brush, Fair	77	59	92	2.70	2.54	2.34	0.59	0.19	0.00		1.00	0.25	1.65	2.75	3.30			
	1.3	HZ-31107	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.74	0.70	0.66	0.21	0.10	0.02		1.00	0.20	0.39	0.65	0.78			
	3.4	HZ-31107	S33	D	Open Brush, Fair	83	67	96	2.06	1.97	1.86	0.68	0.35	0.10		1.00	0.20	1.02	1.70	2.04			
	0.7	HZ-31108	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.19	0.17	0.14	0.00	0.00	0.00		1.00	0.30	0.21	0.35	0.42			
	2.2	HZ-31108	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.78	0.72	0.64	0.07	0.00	0.00		1.00	0.30	0.66	1.10	1.32			
	3.1	HZ-31108	S33	B	Open Brush, Fair	66	46	84	0.96	0.87	0.76	0.04	0.00	0.00		1.00	0.30	0.93	1.55	1.86			
	0.9	HZ-31108	S33	B	Woodland, Grass, Fair	65	45	83	0.27	0.24	0.21	0.01	0.00	0.00		1.00	0.30	0.27	0.45	0.54			
	7.4	HZ-31108	S33	C	Chaparral, Broadleaf, Fair	75	57	91	3.37	3.16	2.88	0.62	0.16	0.00		1.00	0.25	2.22	3.70	4.44			
	0.3	HZ-31108	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.16	0.15	0.14	0.04	0.02	0.00		1.00	0.25	0.09	0.15	0.18			
	11.4	HZ-31108	S33	C	Open Brush, Fair	77	59	92	5.59	5.27	4.85	1.22	0.40	0.01		1.00	0.25	3.42	5.70	6.84			
	8.9	HZ-31108	S33	C	Woodland, Grass, Fair	77	59	92	4.37	4.12	3.79	0.96	0.31	0.00		1.00	0.25	2.67	4.45	5.34			
	1.9	HZ-31108	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.07	1.03	0.96	0.31	0.14	0.03		1.00	0.20	0.57	0.95	1.14			
	9.2	HZ-31108	S33	D	Open Brush, Fair	83	67	96	5.57	5.34	5.03	1.85	0.94	0.26		1.00	0.20	2.76	4.60	5.52			
	1.4	HZ-31108	S33	D	Woodland, Grass, Fair	82	66	95	0.82	0.78	0.74	0.25	0.12	0.03		1.00	0.20	0.42	0.70	0.84			
	0.8	HZ-31109	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.28	0.26	0.23	0.02	0.00	0.00		1.00	0.30	0.24	0.40	0.48			
	0.6	HZ-31109	S33	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.1	HZ-31109	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05			
	1.3	HZ-31109	S33	B	Row Crops, Poor	81	64	95	0.74	0.70	0.66	0.21	0.10	0.02		1.00	0.30	0.39	0.65	0.78			
	4	HZ-31109	S33	B	Woodland, Grass, Fair	65	45	83	1.18	1.07	0.92	0.04	0.00	0.00		1.00	0.30	1.20	2.00	2.40			
	1.5	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.68	0.64	0.58	0.13	0.03	0.00		1.00	0.25	0.45	0.75	0.90			
	0.3	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.16	0.15	0.14	0.04	0.02	0.00		1.00	0.25	0.09	0.15	0.18			
	9.6	HZ-31109	S33	C	Open Brush, Fair	77	59	92	4.71	4.44	4.08	1.03	0.34	0.01		1.00	0.25	2.88	4.80	5.76			
	0.4	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22			
	6.2	HZ-31109	S33	C	Row Crops, Poor	88	75	98	4.40	4.27	4.10	1.98	1.27	0.61		1.00	0.25	1.86	3.10	3.72			
	3.9	HZ-31109	S33	C	Woodland, Grass, Fair	77	59	92	1.91	1.80	1.66	0.42	0.14	0.00		1.00	0.25	1.17	1.95	2.34			
	1.4	HZ-31109	S33	D	Row Crops, Poor	91	80	98	1.09	1.06	1.03	0.58	0.41	0.24		1.00	0.20	0.42	0.70	0.84			
	4.9	HZ-31110	S33	A	Barren	78	61	93	2.49	2.36	2.18	0.59	0.21	0.01		1.00	0.40	1.47	2.45	2.94			
	1.5	HZ-31110	S33	A	Row Crops, Poor	72	53	89	0.61	0.56	0.51	0.08	0.01	0.00		1.00	0.40	0.45	0.75	0.90			
	0.6	HZ-31110	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32			
	2.5	HZ-31110	S33	B	Row Crops, Poor	81	64	95	1.41	1.35	1.26	0.41	0.19	0.03		1.00	0.30	0.75	1.25	1.50			
	5.3	HZ-31110	S33	C	Row Crops, Poor	88	75	98	3.76	3.65	3.50	1.70	1.09	0.52		1.00	0.25	1.59	2.65	3.18			
	3.3	HZ-31110	S33	D	Row Crops, Poor	91	80	98	2.56	2.51	2.43	1.37	0.98	0.58		1.00	0.20	0.99	1.65	1.98			
	1.3	HZ-31111	S33	A	Barren	78	61	93	0.66	0.63	0.58	0.16	0.06	0.00		1.00	0.40	0.39	0.65	0.78			
	0.2	HZ-31111	S33	A	Commercial, Industrial	32	17	52	0.17	0.17	0.17	0.17	0.16	0.15		0.10	0.40	0.01	0.01	0.01			
	5.3	HZ-31111	S33	A	Row Crops, Poor	72	53	89	2.14	1.99	1.79	0.29	0.04	0.00		1.00	0.40	1.59	2.65	3.18			
	0.3	HZ-31111	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18			
	0.2	HZ-31111	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12			
	0.6	HZ-31111	S33	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	4.3	HZ-31111	S33	B	Row Crops, Poor	81	64	95	2.43	2.32	2.17	0.71	0.32	0.06		1.00	0.30	1.29	2.15	2.58			
	0.8	HZ-31111	S33	B	Woodland, Grass, Fair	65	45	83	0.24	0.21	0.18	0.01	0.00	0.00		1.00	0.30	0.24	0.40	0.48			
	1.1	HZ-31111	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.50	0.47	0.43	0.09	0.02	0.00		1.00	0.25	0.33	0.55	0.66			
	6.9	HZ-31111	S33	C	Open Brush, Fair	77	59	92	3.38	3.19	2.94	0.74	0.24	0.00		1.00	0.25	2.07	3.45	4.14			
	7.9	HZ-31111	S33	C	Row Crops, Poor	88	75	98	5.61	5.45	5.22	2.53	1.62	0.78		1.00	0.25	2.37	3.95	4.74			
	1	HZ-31111	S33	C	Woodland, Grass, Fair	77	59	92	0.49	0.46	0.43	0.11	0.04	0.00		1.00	0.25	0.30	0.50	0.60			
	0.4	HZ-31111	S33	D	Open Brush, Fair	83	67	96	0.24	0.23	0.22	0.08	0.04	0.01		1.00	0.20	0.12	0.20	0.24			
	14.6	HZ-31111	S33	D	Row Crops, Poor	91	80	98	11.34	11.10	10.76	6.07	4.33	2.55		1.00	0.20	4.38	7.30	8.76			
	13.8	HZ-31112	S33	A	Barren	78	61	93	7.02	6.64	6.13	1.66	0.60	0.03		1.00	0.40	4.14	6.90	8.28			
	2.6	HZ-31112	S33	B	Barren	86	72	97	1.73	1.68	1.60	0.69	0.41	0.16		1.00	0.30	0.78	1.30	1.56			
	1.1	HZ-31112	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07			
	3.5	HZ-31112	S33	B	Residential 2.5 acre lots	56	36	76	0.89	0.81	0.71	0.56	0.37	0.30		0.90	0.30	0.95	1.58	1.89			
	6.9	HZ-31112	S33	B	Row Crops, Poor	81	64	95	3.90	3.72	3.48	1.13	0.51	0.09		1.00	0.30	2.07	3.45	4.14			
	0.2	HZ-31112	S33	C	Barren	91	80	98	0.16	0.15	0.15	0.08	0.06	0.03		1.00	0.25	0.06	0.10	0.12			
	0.1	HZ-31112	S33	C	Row Crops, Poor	88	75	98	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.05	0.06			
	0.1	HZ-31112	S33	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01			
	2.4	HZ-31112	S33	D	Residential 2.5 acre lots	75	57	91	1.21	1.15	1.06	0.92	0.66	0.42		0.90	0.20	0.65	1.08	1.30			
	0.5	HZ-31112	S33	D	Row Crops, Poor	91	80	98	0.39	0.38	0.37	0.21	0.15	0.09		1.00	0.20	0.15	0.25	0.30			
	0.5	HZ-31113	S33	A	Barren																		

RANCHO MISSION VIEJO
PA-3 (Existing Condition Gobernadora Local Hydrology Node 13305)
Unit Hydrograph Method Loss Rate Parameter Development - Watershed S33

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								
									100	50	25	10	5	2	100							
						P ₂₄ (Inches)			AMC I/AMCII					5.63								
						II	I	III														
	2.6	HZ-31113	S33	B	Residential 2.5 acre lots	56	36	76	0.66	0.60	0.53	0.42	0.27	0.22		0.90	0.30	0.70	1.17	1.40		
	5.5	HZ-31113	S33	B	Row Crops, Poor	81	64	95	3.11	2.97	2.77	0.90	0.41	0.07		1.00	0.30	1.65	2.75	3.30		
	0.2	HZ-31113	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.2	HZ-31113	S33	C	Open Brush, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12		
	1.3	HZ-31113	S33	C	Residential 2.5 acre lots	69	50	86	0.54	0.50	0.46	0.38	0.26	0.16		0.90	0.25	0.35	0.59	0.70		
	0.3	HZ-31113	S33	D	Barren	93	83	99	0.25	0.24	0.24	0.15	0.11	0.07		1.00	0.20	0.09	0.15	0.18		
	0.2	HZ-31113	S33	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15		0.10	0.20	0.01	0.01	0.01		
	0.3	HZ-31113	S33	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18		
	6.5	HZ-31113	S33	D	Residential 2.5 acre lots	75	57	91	3.28	3.11	2.88	2.49	1.80	1.14		0.90	0.20	1.76	2.93	3.51		
	3	HZ-31113	S33	D	Row Crops, Poor	91	80	98	2.33	2.28	2.21	1.25	0.89	0.52		1.00	0.20	0.90	1.50	1.80		
	7.8	HZ-31114	S33	A	Barren	78	61	93	3.97	3.75	3.47	0.94	0.34	0.02		1.00	0.40	2.34	3.90	4.68		
	1.7	HZ-31114	S33	A	Row Crops, Poor	72	53	89	0.69	0.64	0.57	0.09	0.01	0.00		1.00	0.40	0.51	0.85	1.02		
	9.4	HZ-31114	S33	B	Barren	86	72	97	6.27	6.06	5.77	2.50	1.47	0.59		1.00	0.30	2.82	4.70	5.64		
	1.2	HZ-31114	S33	B	Open Brush, Fair	66	46	84	0.37	0.34	0.29	0.02	0.00	0.00		1.00	0.30	0.36	0.60	0.72		
	0.1	HZ-31114	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
	2.6	HZ-31114	S33	B	Row Crops, Poor	81	64	95	1.47	1.40	1.31	0.43	0.19	0.03		1.00	0.30	0.78	1.30	1.56		
	0.2	HZ-31114	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.3	HZ-31114	S33	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18		
	0.2	HZ-31114	S33	C	Residential 2.5 acre lots	69	50	86	0.08	0.08	0.07	0.06	0.04	0.02		0.90	0.25	0.05	0.09	0.11		
	2.7	HZ-31114	S33	C	Row Crops, Poor	88	75	98	1.92	1.86	1.79	0.86	0.55	0.27		1.00	0.25	0.81	1.35	1.62		
	18.4	HZ-31115	S33	A	Barren	78	61	93	9.36	8.86	8.18	2.21	0.80	0.04		1.00	0.40	5.52	9.20	11.04		
	1.2	HZ-31115	S33	A	Meadows or Cienegas, Fair	51	32	71	0.14	0.12	0.09	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72		
	0.1	HZ-31115	S33	A	Woodland, Grass, Fair	44	26	64	0.01	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06		
	26.6	HZ-31115	S33	B	Barren	86	72	97	17.74	17.14	16.32	7.08	4.17	1.67		1.00	0.30	7.98	13.30	15.96		
	3.9	HZ-31115	S33	B	Commercial, Industrial	56	36	76	3.39	3.37	3.33	3.27	3.14	2.98		0.10	0.30	0.12	0.20	0.23		
	3	HZ-31115	S33	B	Fallow	86	72	97	2.00	1.93	1.84	0.80	0.47	0.19		1.00	0.30	0.90	1.50	1.80		
	0.5	HZ-31115	S33	B	Open Brush, Fair	66	46	84	0.15	0.14	0.12	0.01	0.00	0.00		1.00	0.30	0.15	0.25	0.30		
	8.2	HZ-31115	S33	B	Residential 2.5 acre lots	56	36	76	2.08	1.89	1.66	1.31	0.86	0.70		0.90	0.30	2.21	3.69	4.43		
	1.1	HZ-31115	S33	B	Row Crops, Poor	81	64	95	0.62	0.59	0.55	0.18	0.08	0.01		1.00	0.30	0.33	0.55	0.66		
	0.2	HZ-31115	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	14	HZ-31115	S33	C	Barren	91	80	98	10.88	10.64	10.32	5.82	4.15	2.45		1.00	0.25	4.20	7.00	8.40		
	4.3	HZ-31115	S33	C	Commercial, Industrial	69	50	86	3.82	3.79	3.75	3.67	3.51	3.30		0.10	0.25	0.13	0.22	0.26		
	5.3	HZ-31115	S33	C	Fallow	91	80	98	4.12	4.03	3.91	2.20	1.57	0.93		1.00	0.25	1.59	2.65	3.18		
	2.7	HZ-31115	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.42	1.35	1.25	0.36	0.14	0.01		1.00	0.25	0.81	1.35	1.62		
	3.2	HZ-31115	S33	C	Meadows or Cienegas, Fair	80	63	94	1.75	1.66	1.55	0.47	0.20	0.03		1.00	0.25	0.96	1.60	1.92		
	6.1	HZ-31115	S33	C	Open Brush, Fair	77	59	92	2.99	2.82	2.60	0.66	0.22	0.00		1.00	0.25	1.83	3.05	3.66		
	7.5	HZ-31115	S33	C	Residential 2.5 acre lots	69	50	86	3.11	2.91	2.65	2.22	1.50	0.91		0.90	0.25	2.03	3.38	4.05		
	5.4	HZ-31115	S33	C	Row Crops, Poor	88	75	98	3.83	3.72	3.57	1.73	1.11	0.53		1.00	0.25	1.62	2.70	3.24		
	1.6	HZ-31115	S33	C	Woodland, Grass, Fair	77	59	92	0.78	0.74	0.68	0.17	0.06	0.00		1.00	0.25	0.48	0.80	0.96		
	1.9	HZ-31115	S33	D	Barren	93	83	99	1.56	1.54	1.50	0.94	0.72	0.47		1.00	0.20	0.57	0.95	1.14		
	2	HZ-31115	S33	D	Commercial, Industrial	75	57	91	1.80	1.78	1.76	1.73	1.65	1.55		0.10	0.20	0.06	0.10	0.12		
	3.7	HZ-31115	S33	D	Fallow	94	85	99	3.14	3.09	3.03	1.99	1.56	1.08		1.00	0.20	1.11	1.85	2.22		
	2.1	HZ-31115	S33	D	Open Brush, Fair	83	67	96	1.27	1.22	1.15	0.42	0.22	0.06		1.00	0.20	0.63	1.05	1.26		
	2.6	HZ-31115	S33	D	Residential 2.5 acre lots	75	57	91	1.31	1.24	1.15	1.00	0.72	0.46		0.90	0.20	0.70	1.17	1.40		
	0.2	HZ-31115	S33	D	Row Crops, Poor	91	80	98	0.16	0.15	0.15	0.08	0.06	0.03		1.00	0.20	0.06	0.10	0.12		
	0.1	HZ-31115	S33	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06		
	0.5	S33-01	S33	A	Barren	78	61	93	0.25	0.24	0.22	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.30		
	22.6	S33-01	S33	A	Commercial, Industrial	32	17	52	19.27	19.18	19.06	18.78	18.17	17.25		0.10	0.40	0.68	1.13	1.36		
	4.7	S33-01	S33	A	Row Crops, Poor	72	53	89	1.90	1.76	1.58	0.26	0.03	0.00		1.00	0.40	1.41	2.35	2.82		
	2.9	S33-01	S33	A	Woodland, Grass, Fair	44	26	64	0.17	0.12	0.07	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74		
	0.2	S33-01	S33	B	Barren	86	72	97	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.30	0.06	0.10	0.12		
	7.4	S33-01	S33	B	Commercial, Industrial	56	36	76	6.44	6.39	6.33	6.21	5.96	5.65		0.10	0.30	0.22	0.37	0.44		
	1	S33-01	S33	B	Row Crops, Poor	81	64	95	0.57	0.54	0.50	0.16	0.07	0.01		1.00	0.30	0.30	0.50	0.60		
	1.4	S33-01	S33	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.14	1.07		0.10	0.25	0.04	0.07	0.08		
	15.6	S33-01	S33	C	Open Brush, Fair	77	59	92	7.65	7.22	6.64	1.68	0.55	0.01		1.00	0.25	4.68	7.80	9.36		
	0.1	S33-01	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.06	0.06	0.05	0.05	0.04	0.04		0.60	0.25	0.02	0.03	0.04		
	5.3	S33-01	S33	C	Row Crops, Poor	88	75	98	3.76	3.65	3.50	1.70	1.09	0.52		1.00	0.25	1.59	2.65	3.18		
	1.2	S33-02	S33	A	Barren	78	61	93	0.61	0.58	0.53	0.14	0.05	0.00		1.00	0.40	0.36	0.60	0.72		
	0.6	S33-02	S33	A	Row Crops, Poor	72	53	89	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.40	0.18	0.30	0.36		
	0.9	S33-02	S33	C	Barren	91	80	98	0.70	0.68	0.66	0.37	0.27	0.16		1.00	0.25	0.27	0.45	0.54		
	4.8	S33-02	S33	C	Open Brush, Fair	77	59	92	2.35	2.22	2.04	0.52	0.17	0.00		1.00	0.25	1.44	2.40	2.88		
	1.9	S33-02	S33	C	Row Crops, Poor	88	75	98	1.35	1.31	1.26	0.61	0.39	0.19		1.00	0.25	0.57	0.95	1.14		
	0.2	S33-05.5	S33	B	Barren	86	72	97	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.30	0.06	0.10	0.12		
	0.5	S33-05.5	S33	B	Row Crops, Poor	81	64															

RANCHO MISSION VIEJO																							
PA-3 (Existing Condition Gobernadora Local Hydrology Node 13305)																							
Unit Hydrograph Method Loss Rate Parameter Development - Watershed S33																							
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				
									EV				100										
						AMC			100	50	25	10	5	2	100	Storm Event (Year)							
									P ₂₄ (Inches)										EV				HC
						II	I	III				AMC I/AMCII				5.63				> 5	5	2	All
	0.9	S33-05.5	S33	D	Row Crops, Poor	91	80	98	0.70	0.68	0.66	0.37	0.27	0.16		1.00	0.20	0.27	0.45	0.54			
	1.7	S33-05.6	S33	B	Barren	86	72	97	1.13	1.10	1.04	0.45	0.27	0.11		1.00	0.30	0.51	0.85	1.02			
	0.6	S33-05.6	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.21	0.20	0.17	0.02	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	0.1	S33-05.6	S33	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06			
	0.4	S33-05.6	S33	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.09	0.00	0.00	0.00		1.00	0.30	0.12	0.20	0.24			
	2.2	S33-05.6	S33	C	Barren	91	80	98	1.71	1.67	1.62	0.91	0.65	0.38		1.00	0.25	0.66	1.10	1.32			
	4.2	S33-05.6	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.22	2.10	1.95	0.56	0.22	0.02		1.00	0.25	1.26	2.10	2.52			
	8.1	S33-05.6	S33	C	Open Brush, Fair	77	59	92	3.97	3.75	3.45	0.87	0.29	0.00		1.00	0.25	2.43	4.05	4.86			
	2.3	S33-05.6	S33	C	Woodland, Grass, Fair	77	59	92	1.13	1.06	0.98	0.25	0.08	0.00		1.00	0.25	0.69	1.15	1.38			
	0.2	S33-05.6	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.13	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12			
	6.9	S33-05.6	S33	D	Open Brush, Fair	83	67	96	4.17	4.00	3.77	1.39	0.71	0.19		1.00	0.20	2.07	3.45	4.14			
	0.7	S33-05.6	S33	D	Woodland, Grass, Fair	82	66	95	0.41	0.39	0.37	0.13	0.06	0.01		1.00	0.20	0.21	0.35	0.42			
	1320.8								0.361	0.381	0.408	0.611	0.686	0.747	1.000		F _m =	0.223	0.372	0.446	0.000		

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	Storm Event (Year)						HC				
						100	50	25	10	5	2	100	> 5	5	2	All							
						AMC			P ₂₄ (Inches)					AMC I/AMC II		5.63							
II	I	III																					
PA3 Line A	1.1	OA-1	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66			
PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.41	0.38	0.35	0.08	0.02	0.00		1.00	0.25	0.27	0.45	0.54			
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00		1.00	0.25	0.78	1.30	1.56			
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08		0.90	0.25	0.19	0.32	0.38			
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.39	0.33	0.22	0.13		0.90	0.25	0.30	0.50	0.59			
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77		0.10	0.25	0.03	0.05	0.06			
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07			
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.08	0.07	0.06	0.05	0.03	0.03		0.90	0.30	0.08	0.14	0.16			
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	5.86	5.82	5.75	5.63	5.39	5.06		0.10	0.25	0.20	0.33	0.40			
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.70	0.64	0.53	0.36	0.22		0.90	0.25	0.49	0.81	0.97			
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04			
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.46	3.44	3.40	3.33	3.18	2.99		0.10	0.25	0.12	0.20	0.23			
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.27	0.18	0.11		0.90	0.25	0.24	0.41	0.49			
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04			
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15			
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.06	0.04	0.03		0.90	0.30	0.11	0.18	0.22			
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84		0.10	0.25	0.15	0.25	0.30			
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	0.93	0.88	0.81	0.69	0.50	0.34		0.85	0.25	0.54	0.89	1.07			
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10		0.90	0.25	0.22	0.36	0.43			
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.62	1.60	1.59	1.55	1.48	1.39		0.10	0.20	0.05	0.09	0.11			
PA3 Line A	2.8	A-5	S33	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)														
						EV						HC											
						100	50	25	10	5	2	100											
						AMC			P ₂₄ (Inches)														
II	I	III																					
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.80	0.75	0.70	0.60	0.43	0.29		0.85	0.25	0.46	0.77	0.92			
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18		0.90	0.25	0.41	0.68	0.81			
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.87	2.85	2.82	2.76	2.64	2.47		0.10	0.20	0.10	0.16	0.19			
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.70	2.68	2.65	2.60	2.50	2.37		0.10	0.30	0.09	0.16	0.19			
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.41	0.38	0.34	0.28	0.21	0.18		0.85	0.30	0.36	0.60	0.71			
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.28	0.25	0.22	0.18	0.11	0.09		0.90	0.30	0.30	0.50	0.59			
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.53	4.49	4.45	4.35	4.16	3.91		0.10	0.25	0.15	0.26	0.31			
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	0.84	0.80	0.73	0.63	0.45	0.31		0.85	0.25	0.48	0.81	0.97			
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.49	1.40	1.27	1.07	0.72	0.44		0.90	0.25	0.97	1.62	1.94			
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.43	2.41	2.38	2.33	2.23	2.09		0.10	0.20	0.08	0.14	0.16			
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.25	0.24	0.22	0.19	0.14	0.09		0.90	0.20	0.14	0.23	0.27			
PA3 Line A	3.5	A-18	S33	B	Commercial, Industrial	56	36	76	3.05	3.02	2.99	2.94	2.82	2.67		0.10	0.30	0.11	0.18	0.21			
PA3 Line A	0.6	A-18	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32			
PA3 Line A	2.8	A-18	S33	C	Commercial, Industrial	69	50	86	2.49	2.47	2.44	2.39	2.29	2.15		0.10	0.25	0.08	0.14	0.17			
PA3 Line A	0.8	A-18	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10		0.90	0.25	0.22	0.36	0.43			
PA3 Line A	0.6	A-18	S33	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46		0.10	0.20	0.02	0.03	0.04			
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07			
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.20	3.17	3.14	3.07	2.94	2.76		0.10	0.25	0.11	0.18	0.22			
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38		0.10	0.25	0.02	0.03	0.03			
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.09	0.08													

RANCHO MISSION VIEJO																						
PA-3 (Gobernadora Local Hydrology Node 13305 - A Developed Area)																						
Unit Hydrograph Method Loss Rate Parameter Development - Watershed S33																						
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							
											100	50	25	10	5			2	100	Storm Event (Year)		
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC I/AMCII									5.63				
																				EV		HC
PA3 Line A	12.7	A-27	S33	C	Commercial, Industrial	69	50	86	11.28	11.19	11.07	10.84	10.36	9.74		0.10	0.25	0.38	0.64	0.76		
PA3 Line A	0.8	A-27	S33	C	Public Park	69	50	86	0.36	0.34	0.31	0.26	0.19	0.13		0.85	0.25	0.20	0.34	0.41		
PA3 Line A	4.1	A-27	S33	C	Residential 2.5 acre lots	69	50	86	1.70	1.59	1.45	1.21	0.82	0.50		0.90	0.25	1.11	1.85	2.21		
PA3 Line A	1.2	A-27	S33	D	Commercial, Industrial	75	57	91	1.08	1.07	1.06	1.04	0.99	0.93		0.10	0.20	0.04	0.06	0.07		
PA3 Line A	1.5	A-27	S33	D	Public Park	75	57	91	0.79	0.76	0.71	0.62	0.47	0.32		0.85	0.20	0.38	0.64	0.77		
PA3 Line A	0.1	A-27	S33	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.05		
PA3 Line A	1	A-28	S33	B	Commercial, Industrial	56	36	76	0.87	0.86	0.85	0.84	0.81	0.76		0.10	0.30	0.03	0.05	0.06		
PA3 Line A	1.3	A-28	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08		
PA3 Line A	12.6	A-28	S33	D	Commercial, Industrial	75	57	91	11.32	11.23	11.11	10.88	10.39	9.74		0.10	0.20	0.38	0.63	0.76		
PA3 Line A	1.1	A-28	S33	D	Public Park	75	57	91	0.58	0.55	0.52	0.45	0.34	0.23		0.85	0.20	0.28	0.47	0.56		
PA3 Line A	0.1	A-28	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01		
PA3 Line A	2.1	A-28	S33	D	Residential 2.5 acre lots	75	57	91	1.06	1.00	0.93	0.81	0.58	0.37		0.90	0.20	0.57	0.95	1.13		
PA3 Line A	2.2	A-29	S33	C	Commercial, Industrial	69	50	86	1.95	1.94	1.92	1.88	1.80	1.69		0.10	0.25	0.07	0.11	0.13		
PA3 Line A	0.4	A-29	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22		
PA3 Line A	0.6	A-30	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04		
PA3 Line A	0.6	A-30	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32		
PA3 Line A	1.8	A-30	S33	C	Commercial, Industrial	69	50	86	1.60	1.59	1.57	1.54	1.47	1.38		0.10	0.25	0.05	0.09	0.11		
PA3 Line A	1.4	A-30	S33	C	Residential 2.5 acre lots	69	50	86	0.58	0.54	0.50	0.41	0.28	0.17		0.90	0.25	0.38	0.63	0.76		
PA3 Line A	0.8	A-30	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05		
PA3 Line A	1.6	A-30	S33	D	Residential 2.5 acre lots	75	57	91	0.81	0.77	0.71	0.61	0.44	0.28		0.90	0.20	0.43	0.72	0.86		
PA3 Line A	2.5	A-31	S33	B	Commercial, Industrial	56	36	76	2.18	2.16	2.14	2.10	2.01	1.91		0.10	0.30	0.08	0.13	0.15		
PA3 Line A	0.3	A-31	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15		
PA3 Line A	0.1	A-31	S33	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01		
PA3 Line A	0.1	A-31	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
PA3 Line A	1.5	A-31	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.73	0.70	0.67	0.62	0.55	0.51		0.60	0.30	0.27	0.45	0.54		
PA3 Line A	0.2	A-31	S33	B	Residential 5-7 dwellings/acre	56	36	76	0.11	0.11	0.11	0.10	0.09	0.08		0.50	0.30	0.03	0.05	0.06		
PA3 Line A	2.9	A-31	S33	B	Residential 8-10 dwellings/acre	56	36	76	1.85	1.82	1.77	1.69	1.57	1.48		0.40	0.30	0.35	0.58	0.70		
PA3 Line A	4.7	A-31	S33	C	Commercial, Industrial	69	50	86	4.17	4.14	4.10	4.01	3.84	3.61		0.10	0.25	0.14	0.24	0.28		
PA3 Line A	1.3	A-31	S33	C	Public Park	69	50	86	0.58	0.54	0.50	0.43	0.31	0.21		0.85	0.25	0.33	0.55	0.66		
PA3 Line A	0.9	A-31	S33	C	Residential 10+ dwellings/acre	69	50	86	0.75	0.74	0.73	0.71	0.67	0.62		0.20	0.25	0.05	0.09	0.11		
PA3 Line A	0.1	A-31	S33	C	Residential 2.5 acre lots	69	50	86	0.04	0.04	0.04	0.03	0.02	0.01		0.90	0.25	0.03	0.05	0.05		
PA3 Line A	3.8	A-31	S33	C	Residential 3-4 dwellings/acre	69	50	86	2.25	2.18	2.08	1.92	1.64	1.38		0.60	0.25	0.68	1.14	1.37		
PA3 Line A	4.4	A-31	S33	C	Residential 5-7 dwellings/acre	69	50	86	2.87	2.79	2.70	2.53	2.24	1.95		0.50	0.25	0.66	1.10	1.32		
PA3 Line A	0.7	A-31	S33	C	Residential 8-10 dwellings/acre	69	50	86	0.50	0.49	0.47	0.45	0.41	0.37		0.40	0.25	0.08	0.14	0.17		
PA3 Line A	5	A-31	S33	D	Commercial, Industrial	75	57	91	4.49	4.46	4.41	4.32	4.12	3.87		0.10	0.20	0.15	0.25	0.30		
PA3 Line A	0.1	A-31	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05		
PA3 Line A	10.3	A-31	S33	D	Residential 10+ dwellings/acre	75	57	91	8.74	8.65	8.52	8.28	7.79	7.20		0.20	0.20	0.62	1.03	1.24		
PA3 Line A	0.1	A-31	S33	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.05		
PA3 Line A	1.3	A-31	S33	D	Residential 3-4 dwellings/acre	75	57	91	0.85	0.82	0.79	0.73	0.63	0.52		0.60	0.20	0.23	0.39	0.47		
PA3 Line A	3.9	A-31	S33	D	Residential 5-7 dwellings/acre	75	57	91	2.73	2.67	2.58	2.43	2.15	1.85		0.50	0.20	0.59	0.98	1.17		
PA3 Line A	2.3	A-31	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.73	1.69	1.65	1.57	1.42	1.26		0.40	0.20	0.28	0.46	0.55		
PA3 Line A	1.3	A-32	S33	B	Commercial, Industrial	56	36	76	1.13	1.12	1.11	1.09	1.05	0.99		0.10	0.30	0.04	0.07	0.08		
PA3 Line A	1.2	A-32	S33	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.24	0.19	0.13	0.10		0.90	0.30	0.32	0.54	0.65		
PA3 Line A	0.1	A-32	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.05	0.05	0.04	0.04	0.04	0.03		0.60	0.30	0.02	0.03	0.04		
PA3 Line A	1.3	A-32	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08		
PA3 Line A	0.1	A-32	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05		
PA3 Line A	3	A-32	S33	C	Residential 2.5 acre lots	69	50	86	1.24	1.16	1.06	0.89	0.60	0.36		0.90	0.25	0.81	1.35	1.62		
PA3 Line A	2.5	A-32	S33	C	Residential 3-4 dwellings/acre	69	50	86	1.48	1.43	1.37	1.26	1.08	0.91		0.60	0.25	0.45	0.75	0.90		
PA3 Line A	0.8	A-32	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05		
PA3 Line A	1.3	A-32	S33	D	Residential 2.5 acre lots	75	57	91	0.66	0.62	0.58	0.50	0.36	0.23		0.90	0.20	0.35	0.59	0.70		
PA3 Line A	3.3	A-32	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.15	2.09	2.01	1.86	1.59	1.32		0.60	0.20	0.59	0.99	1.19		
	447.6								0.253	0.266	0.283	0.319	0.375	0.434	1.000	F _m =	0.107	0.178	0.213	0.000		

RANCHO MISSION VIEJO																								
PA-3 (Local Hydrology Node 13305 - A Offsite)																								
Unit Hydrograph Method Loss Rate Parameter Development - Watershed S33																								
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)							
							EV										HC							
							100	50	25	10	5	2	100	50			25	10	5	2	100			
							AMC				P ₂₄ (Inches)													
							II	I	III	AMC I/AMCII								5.63						
PA3 Line A	1.5	OA-4	S33	C	Open Brush, Fair	77	59	92	0.74	0.69	0.64	0.16	0.05	0.00		1.00	0.25	0.45	0.75	0.90				
PA3 Line A	0.4	OA-4	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24				
PA3 Line A	4.9	OA-5	S33	C	Open Brush, Fair	77	59	92	2.40	2.27	2.08	0.53	0.17	0.00		1.00	0.25	1.47	2.45	2.94				
PA3 Line A	2.4	OA-5	S33	C	Woodland, Grass, Fair	77	59	92	1.18	1.11	1.02	0.26	0.08	0.00		1.00	0.25	0.72	1.20	1.44				
PA3 Line A	5.1	OA-6	S33	C	Open Brush, Fair	77	59	92	2.50	2.36	2.17	0.55	0.18	0.00		1.00	0.25	1.53	2.55	3.06				
PA3 Line A	4	OA-6	S33	C	Woodland, Grass, Fair	77	59	92	1.96	1.85	1.70	0.43	0.14	0.00		1.00	0.25	1.20	2.00	2.40				
PA3 Line A	0.3	OA-7	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.14	0.13	0.12	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18				
PA3 Line A	5.7	OA-7	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	3.22	3.08	2.87	0.93	0.42	0.08		1.00	0.25	1.71	2.85	3.42				
PA3 Line A	3.4	OA-7	S33	C	Open Brush, Fair	77	59	92	1.67	1.57	1.45	0.37	0.12	0.00		1.00	0.25	1.02	1.70	2.04				
PA3 Line A	0.1	OA-7	S33	C	Woodland, Grass, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06				
PA3 Line A	2.1	OA-7	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	1.40	1.35	1.29	0.56	0.33	0.13		1.00	0.20	0.63	1.05	1.26				
PA3 Line A	1.6	OA-7	S33	D	Open Brush, Fair	83	67	96	0.97	0.93	0.87	0.32	0.16	0.04		1.00	0.20	0.48	0.80	0.96				
PA3 Line A	0.2	OA-7	S33	D	Woodland, Grass, Fair	82	66	95	0.12	0.11	0.11	0.04	0.02	0.00		1.00	0.20	0.06	0.10	0.12				
PA3 Line A	1.6	OA-8	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.73	0.68	0.62	0.13	0.03	0.00		1.00	0.25	0.48	0.80	0.96				
PA3 Line A	1.6	OA-8	S33	C	Open Brush, Fair	77	59	92	0.78	0.74	0.68	0.17	0.06	0.00		1.00	0.25	0.48	0.80	0.96				
PA3 Line A	1.8	OA-8	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.02	0.97	0.91	0.30	0.13	0.02		1.00	0.20	0.54	0.90	1.08				
PA3 Line A	1.5	OA-8	S33	D	Open Brush, Fair	83	67	96	0.91	0.87	0.82	0.30	0.15	0.04		1.00	0.20	0.45	0.75	0.90				
PA3 Line A	1.9	OA-9	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.86	0.81	0.74	0.16	0.04	0.00		1.00	0.25	0.57	0.95	1.14				
PA3 Line A	0.4	OA-9	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	0.23	0.22	0.20	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24				
PA3 Line A	1.3	OA-9	S33	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.14	0.05	0.00		1.00	0.25	0.39	0.65	0.78				
PA3 Line A	4.5	OA-9	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.55	2.43	2.27	0.74	0.33	0.06		1.00	0.20	1.35	2.25	2.70				
PA3 Line A	1.3	OA-9	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	0.87	0.84	0.80	0.35	0.20	0.08		1.00	0.20	0.39	0.65	0.78				
PA3 Line A	3.7	OA-9	S33	D	Open Brush, Fair	83	67	96	2.24	2.15	2.02	0.74	0.38	0.10		1.00	0.20	1.11	1.85	2.22				
PA3 Line A	1.6	A-33	S33	B	Fallow	86	72	97	1.07	1.03	0.98	0.43	0.25	0.10		1.00	0.30	0.48	0.80	0.96				
PA3 Line A	1.3	A-33	S33	B	Open Brush, Fair	66	46	84	0.40	0.37	0.32	0.02	0.00	0.00		1.00	0.30	0.39	0.65	0.78				
PA3 Line A	2.6	A-33	S33	B	Residential 2.5 acre lots	56	36	76	0.66	0.60	0.53	0.42	0.27	0.22		0.90	0.30	0.70	1.17	1.40				
PA3 Line A	1.9	A-33	S33	B	Woodland, Grass, Fair	65	45	83	0.56	0.51	0.44	0.02	0.00	0.00		1.00	0.30	0.57	0.95	1.14				
PA3 Line A	0.7	A-33	S33	C	Fallow	91	80	98	0.54	0.53	0.52	0.29	0.21	0.12		1.00	0.25	0.21	0.35	0.42				
PA3 Line A	0.8	A-33	S33	C	Open Brush, Fair	77	59	92	0.39	0.37	0.34	0.09	0.03	0.00		1.00	0.25	0.24	0.40	0.48				
PA3 Line A	0.1	A-33	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05				
PA3 Line A	1.5	A-33	S33	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18		0.90	0.25	0.41	0.68	0.81				
PA3 Line A	0.4	A-33	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24				
PA3 Line A	0.1	A-33	S33	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06				
PA3 Line A	0.3	A-33	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16				
	62.6								0.488	0.514	0.550	0.853	0.931	0.980	1.000		F _m =	0.298	0.496	0.596	0.000			

RANCHO MISSION VIEJO - GOBERNADORA

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															
	2.17		S30	A	Apartments	32	17	52	1.64	1.64	1.63	1.60	1.55	1.47		0.20	0.40	0.13	0.22	0.26			
	19.41		S30	B	Apartments	56	36	76	15.39	15.23	15.01	14.63	13.93	13.16		0.20	0.30	1.16	1.94	2.33			
	1.31		S30	C	Apartments	69	50	86	1.09	1.08	1.06	1.03	0.97	0.90		0.20	0.25	0.08	0.13	0.16			
	0.63		S30	D	Apartments	75	57	91	0.53	0.53	0.52	0.50	0.47	0.44		0.20	0.20	0.04	0.06	0.08			
	0.68		S30	C	Chaparral, Broadleaf, Fair	75	57	91	0.31	0.29	0.27	0.06	0.01	0.00		1.00	0.25	0.20	0.34	0.41			
	0.01		S30	A	Condominiums	32	17	52	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.40	0.00	0.00	0.00			
	14.66		S30	B	Condominiums	56	36	76	9.93	9.76	9.55	9.19	8.60	8.08		0.35	0.30	1.54	2.57	3.08			
	0.44		S30	C	Condominiums	69	50	86	0.33	0.32	0.31	0.30	0.27	0.25		0.35	0.25	0.05	0.08	0.09			
	7.34		S30	D	Condominiums	75	57	91	5.69	5.59	5.46	5.24	4.79	4.30		0.35	0.20	0.77	1.28	1.54			
	18.77		S30	A	Grass, Annual or Perennial, Fair	50	31	70	2.07	1.69	1.23	0.00	0.00	0.00		1.00	0.40	5.63	9.38	11.26			
	71.96		S30	B	Grass, Annual or Perennial, Fair	69	50	86	25.57	23.50	20.80	2.20	0.04	0.00		1.00	0.30	21.59	35.98	43.18			
	94.44		S30	C	Grass, Annual or Perennial, Fair	79	62	93	49.81	47.25	43.81	12.58	4.93	0.41		1.00	0.25	28.33	47.22	56.67			
	46.02		S30	D	Grass, Annual or Perennial, Fair	84	69	96	28.77	27.67	26.15	10.15	5.45	1.70		1.00	0.20	13.80	23.01	27.61			
	37.38		S30	B	Open Brush, Fair	66	46	84	11.57	10.51	9.14	0.49	0.00	0.00		1.00	0.30	11.22	18.69	22.43			
	452.58		S30	C	Open Brush, Fair	77	59	92	222.00	209.40	192.54	48.61	15.98	0.21		1.00	0.25	135.77	226.29	271.55			
	8.00		S30	D	Open Brush, Fair	83	67	96	4.84	4.64	4.37	1.61	0.82	0.22		1.00	0.20	2.40	4.00	4.80			
	20.05		S30	B	Orchards, Evergreen, Fair	65	45	83	5.91	5.35	4.62	0.18	0.00	0.00		1.00	0.30	6.01	10.02	12.03			
	35.24		S30	C	Orchards, Evergreen, Fair	77	59	92	17.29	16.31	14.99	3.79	1.24	0.02		1.00	0.25	10.57	17.62	21.15			
	3.87		S30	A	Public Park	32	17	52	0.55	0.55	0.56	0.54	0.52	0.49		0.85	0.40	0.99	1.65	1.97			
	16.21		S30	B	Public Park	56	36	76	4.73	4.38	3.95	3.28	2.41	2.06		0.85	0.30	4.13	6.89	8.27			
	14.26		S30	C	Public Park	69	50	86	6.33	5.98	5.51	4.72	3.41	2.30		0.85	0.25	3.64	6.06	7.27			
	0.76		S30	D	Public Park	75	57	91	0.40	0.39	0.36	0.32	0.24	0.16		0.85	0.20	0.19	0.32	0.39			
	38.41		S30	B	Residential 1 acre lots	56	36	76	12.69	11.90	10.92	9.41	7.38	6.51		0.80	0.30	9.22	15.36	18.44			
	29.50		S30	C	Residential 1 acre lots	69	50	86	13.98	13.27	12.35	10.79	8.18	5.94		0.80	0.25	7.08	11.80	14.16			
	7.64		S30	A	Residential 2 dwellings/acre	32	17	52	2.17	2.16	2.17	2.12	2.05	1.94		0.70	0.40	1.60	2.67	3.21			
	96.41		S30	B	Residential 2 dwellings/acre	56	36	76	39.28	37.49	35.26	31.79	26.97	24.51		0.70	0.30	20.25	33.74	40.49			
	125.34		S30	C	Residential 2 dwellings/acre	69	50	86	66.80	64.10	60.57	54.58	44.40	35.36		0.70	0.25	26.32	43.87	52.64			
	23.54		S30	D	Residential 2 dwellings/acre	75	57	91	14.18	13.68	13.02	11.85	9.74	7.64		0.70	0.20	4.94	8.24	9.88			
	1.01		S30	A	Residential 3-4 dwellings/acre	32	17	52	0.38	0.38	0.38	0.37	0.36	0.34		0.60	0.40	0.18	0.30	0.36			
	86.85		S30	B	Residential 3-4 dwellings/acre	56	36	76	42.09	40.65	38.85	36.01	31.91	29.44		0.60	0.30	15.63	26.06	31.27			
	143.97		S30	C	Residential 3-4 dwellings/acre	69	50	86	85.25	82.50	78.89	72.73	62.08	52.25		0.60	0.25	25.91	43.19	51.83			
	14.92		S30	D	Residential 3-4 dwellings/acre	75	57	91	9.72	9.44	9.07	8.41	7.19	5.95		0.60	0.20	2.69	4.48	5.37			
	1.95		S30	A	Residential 5-7 dwellings/acre	32	17	52	0.93	0.92	0.92	0.90	0.87	0.83		0.50	0.40	0.29	0.49	0.59			
	99.54		S30	B	Residential 5-7 dwellings/acre	56	36	76	55.92	54.47	52.64	49.71	45.29	42.18		0.50	0.30	14.93	24.88	29.86			
	131.14		S30	C	Residential 5-7 dwellings/acre	69	50	86	85.43	83.24	80.35	75.40	66.65	58.19		0.50	0.25	19.67	32.79	39.34			
	12.10		S30	D	Residential 5-7 dwellings/acre	75	57	91	8.48	8.28	8.02	7.54	6.66	5.73		0.50	0.20	1.81	3.02	3.63			
	19.70		S30	B	Residential 8-10 dwellings/acre	56	36	76	12.58	12.34	12.02	11.51	10.69	10.02		0.40	0.30	2.36	3.94	4.73			
	7.60		S30	C	Residential 8-10 dwellings/acre	69	50	86	5.40	5.29	5.15	4.90	4.45	3.98		0.40	0.25	0.91	1.52	1.82			
	12.71		S30	B	School	56	36	76	6.16	5.95	5.68	5.27	4.67	4.31		0.60	0.30	2.29	3.81	4.57			
	9.16		S30	C	School	69	50	86	5.42	5.25	5.02	4.63	3.95	3.32		0.60	0.25	1.65	2.75	3.30			
	23.69		S30	A	Turf, Good	33	17	53	0.05	0.00	0.05	0.00	0.00	0.00		1.00	0.40	7.11	11.85	14.22			
	117.50		S30	B	Turf, Good	58	38	77	23.55	20.54	16.79	11.00	3.17	0.00		1.00	0.30	35.25	58.75	70.50			
	22.40		S30	C	Turf, Good	72	53	89	9.04	8.40	7.55	6.11	3.64	1.48		1.00	0.25	6.72	11.20	13.44			
	3.50		S30	D	Turf, Good	79	62	93	1.85	1.75	1.63	1.40	0.98	0.56		1.00	0.20	1.05	1.75	2.10			
	0.51		S30	A	Water	98	95	100	0.48	0.48	0.48	0.47	0.45	0.43		0.00	0.40	0.00	0.00	0.00			
	14.50		S30	B	Water	98	95	100	13.74	13.67	13.58	13.39	12.95	12.29		0.00	0.30	0.00	0.00	0.00			
	1.56		S30	C	Water	98	95	100	1.48	1.47	1.46	1.44	1.40	1.33		0.00	0.25	0.00	0.00	0.00			
	2.35		S30	D	Water	98	95	100	2.23	2.22	2.20	2.17	2.10	1.99		0.00	0.20	0.00	0.00	0.00			
	24.20		S30	A	Woodland, Grass, Fair	44	26	64	1.39	1.02	0.61	0.00	0.00	0.00		1.00	0.40	7.26	12.10	14.52			
	31.86		S30	B	Woodland, Grass, Fair	65	45	83	9.40	8.50	7.35	0.28	0.00	0.00		1.00	0.30	9.56	15.93	19.12			
	46.40		S30	C	Woodland, Grass, Fair	77	59	92	22.76	21.47	19.74	4.98	1.64	0.02		1.00	0.25	13.92	23.20	27.84			
	0.01		S30	D	Woodland, Grass, Fair	82	66	95	0.00	0.00	0.00	0.00	0.00	0.00		1.00	0.20	0.00	0.00	0.00			
	5.17		S31	B	Chaparral, Broadleaf, Fair	63	43	81	1.38	1.23	1.05	0.02	0.00	0.00		1.00	0.30	1.55	2.59	3.10			
	18.15		S31	C	Chaparral, Broadleaf, Fair	75	57	91	8.26	7.74	7.06	1.53	0.39	0.00		1.00	0.25	5.44	9.07	10.89			
	12.74		S31	D	Chaparral, Broadleaf, Fair	81	64	95	7.20	6.87	6.42	2.09	0.95	0.16		1.00	0.20	3.82	6.37	7.64			
	2.64		S31	B	Chaparral, Narrowleaf, Fair	72	53	89	1.07	0.99	0.89	0.14	0.02	0.00		1.00	0.30	0.79	1.32	1.59			
	23.13		S31	C	Chaparral, Narrowleaf, Fair	81	64	95	13.08	12.48	11.66	3.79	1.72	0.30		1.00	0.25	6.94	11.56	13.88			
	3.78		S31	D	Chaparral, Narrowleaf, Fair	86	72	97	2.52	2.44	2.32	1.01	0.59	0.24		1.00	0.20	1.14	1.89	2.27			
	0.16		S31	C	Commercial, Industrial	69	50	86	0.14	0.14	0.14	0.14	0.13	0.12		0.10	0.25	0.00	0.01	0.01			
	0.84		S31	D	Commercial, Industrial	75	57	91	0.75	0.75	0.74	0.73	0.69	0.65		0.10	0.20	0.03	0.04	0.05			
	0.55		S31	A	Condominiums	32	17	52	0.34	0.34	0.34	0.33	0.32	0.30		0.35	0.40	0.06	0.10	0.12			
	0.95		S31	B	Condominiums	56	36	76	0.64	0.63	0.62	0.60	0.56	0.52		0.35	0.30	0.10	0.17	0.20			
	13.97		S31	C	Condominiums	69	50	86	10.34	10.16	9.92	9.49	8.71	7.89		0.35	0.25	1.47</					

RANCHO MISSION VIEJO - GOBERNADORA

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100											
						AMC			P ₂₄ (Inches)										5.63				
						II	I	III	AMC I/AMCII														

	0.07		S31	A	Open Brush, Fair	46	28	66	0.01	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.02	0.04	0.04	
	27.57		S31	B	Open Brush, Fair	66	46	84	8.54	7.75	6.74	0.36	0.00	0.00		1.00	0.30	8.27	13.79	16.54	
	420.56		S31	C	Open Brush, Fair	77	59	92	206.30	194.58	178.92	45.17	14.85	0.20		1.00	0.25	126.17	210.28	252.34	
	21.02		S31	D	Open Brush, Fair	83	67	96	12.72	12.20	11.49	4.22	2.16	0.58		1.00	0.20	6.31	10.51	12.61	
	16.33		S31	A	Public Park	32	17	52	2.33	2.31	2.35	2.26	2.19	2.08		0.85	0.40	4.16	6.94	8.33	
	6.44		S31	B	Public Park	56	36	76	1.88	1.74	1.57	1.30	0.96	0.82		0.85	0.30	1.64	2.74	3.28	
	24.85		S31	C	Public Park	69	50	86	11.04	10.41	9.59	8.22	5.93	4.00		0.85	0.25	6.34	10.56	12.67	
	1.94		S31	D	Public Park	75	57	91	1.03	0.98	0.91	0.80	0.60	0.41		0.85	0.20	0.49	0.82	0.99	
	6.82		S31	A	Residential 2 dwellings/acre	32	17	52	1.94	1.93	1.94	1.89	1.83	1.73		0.70	0.40	1.43	2.39	2.87	
	56.92		S31	B	Residential 2 dwellings/acre	56	36	76	23.19	22.14	20.82	18.77	15.93	14.47		0.70	0.30	11.95	19.92	23.91	
	119.90		S31	C	Residential 2 dwellings/acre	69	50	86	63.90	61.32	57.94	52.21	42.47	33.83		0.70	0.25	25.18	41.96	50.36	
	8.05		S31	D	Residential 2 dwellings/acre	75	57	91	4.85	4.68	4.45	4.05	3.33	2.61		0.70	0.20	1.69	2.82	3.38	
	3.96		S31	A	Residential 3-4 dwellings/acre	32	17	52	1.50	1.49	1.49	1.46	1.41	1.34		0.60	0.40	0.71	1.19	1.42	
	103.79		S31	B	Residential 3-4 dwellings/acre	56	36	76	50.30	48.58	46.43	43.03	38.13	35.19		0.60	0.30	18.68	31.14	37.36	
	103.53		S31	C	Residential 3-4 dwellings/acre	69	50	86	61.31	59.33	56.73	52.31	44.65	37.58		0.60	0.25	18.64	31.06	37.27	
	2.40		S31	D	Residential 3-4 dwellings/acre	75	57	91	1.57	1.52	1.46	1.35	1.16	0.96		0.60	0.20	0.43	0.72	0.86	
	12.16		S31	A	Residential 5-7 dwellings/acre	32	17	52	5.76	5.73	5.72	5.61	5.43	5.15		0.50	0.40	1.82	3.04	3.65	
	148.36		S31	B	Residential 5-7 dwellings/acre	56	36	76	83.34	81.19	78.46	74.10	67.51	62.87		0.50	0.30	22.25	37.09	44.51	
	167.09		S31	C	Residential 5-7 dwellings/acre	69	50	86	108.84	106.05	102.38	96.06	84.92	74.14		0.50	0.25	25.06	41.77	50.13	
	7.77		S31	D	Residential 5-7 dwellings/acre	75	57	91	5.45	5.32	5.15	4.85	4.28	3.68		0.50	0.20	1.17	1.94	2.33	
	28.79		S31	A	Row Crops, Poor	72	53	89	11.62	10.79	9.70	1.57	0.21	0.00		1.00	0.40	8.64	14.39	17.27	
	3.32		S31	B	Row Crops, Poor	81	64	95	1.87	1.79	1.67	0.54	0.25	0.04		1.00	0.30	0.99	1.66	1.99	
	6.57		S31	C	Row Crops, Poor	88	75	98	4.67	4.53	4.35	2.10	1.35	0.64		1.00	0.25	1.97	3.29	3.94	
	1.34		S31	D	Row Crops, Poor	91	80	98	1.04	1.02	0.99	0.56	0.40	0.23		1.00	0.20	0.40	0.67	0.80	
	6.21		S31	B	School	56	36	76	3.01	2.91	2.78	2.58	2.28	2.11		0.60	0.30	1.12	1.86	2.24	
	11.04		S31	C	School	69	50	86	6.54	6.33	6.05	5.58	4.76	4.01		0.60	0.25	1.99	3.31	3.98	
	3.90		S31	D	School	75	57	91	2.54	2.47	2.37	2.20	1.88	1.56		0.60	0.20	0.70	1.17	1.40	
	51.85		S31	A	Turf, Good	33	17	53	0.10	0.00	0.10	0.00	0.00	0.00		1.00	0.40	15.55	25.92	31.11	
	114.79		S31	B	Turf, Good	58	38	77	23.00	20.06	16.40	10.74	3.09	0.00		1.00	0.30	34.44	57.40	68.87	
	33.86		S31	C	Turf, Good	72	53	89	13.67	12.70	11.41	9.23	5.51	2.24		1.00	0.25	10.16	16.93	20.32	
	0.44		S31	D	Turf, Good	79	62	93	0.23	0.22	0.20	0.18	0.12	0.07		1.00	0.20	0.13	0.22	0.26	
	33.57		S31	A	Woodland, Grass, Fair	44	26	64	1.93	1.41	0.85	0.00	0.00	0.00		1.00	0.40	10.07	16.78	20.14	
	26.08		S31	B	Woodland, Grass, Fair	65	45	83	7.69	6.96	6.01	0.23	0.00	0.00		1.00	0.30	7.82	13.04	15.65	
	48.80		S31	C	Woodland, Grass, Fair	77	59	92	23.94	22.58	20.76	5.24	1.72	0.02		1.00	0.25	14.64	24.40	29.28	
	1.07		S31	D	Woodland, Grass, Fair	82	66	95	0.63	0.60	0.56	0.20	0.09	0.02		1.00	0.20	0.32	0.54	0.64	
	1.51		S32	C	Barren	91	80	98	1.17	1.15	1.11	0.63	0.45	0.26		1.00	0.25	0.45	0.75	0.90	
	0.64		S32	C	Chaparral, Broadleaf, Fair	75	57	91	0.29	0.27	0.25	0.05	0.01	0.00		1.00	0.25	0.19	0.32	0.38	
	10.15		S32	B	Commercial, Industrial	56	36	76	8.84	8.77	8.68	8.51	8.18	7.74		0.10	0.30	0.30	0.51	0.61	
	0.33		S32	C	Commercial, Industrial	69	50	86	0.30	0.29	0.29	0.28	0.27	0.26		0.10	0.25	0.01	0.02	0.02	
	4.83		S32	D	Commercial, Industrial	75	57	91	4.34	4.30	4.26	4.17	3.98	3.73		0.10	0.20	0.14	0.24	0.29	
	8.06		S32	B	Condominiums	56	36	76	5.46	5.36	5.24	5.05	4.72	4.44		0.35	0.30	0.85	1.41	1.69	
	7.30		S32	C	Condominiums	69	50	86	5.40	5.31	5.18	4.96	4.55	4.12		0.35	0.25	0.77	1.28	1.53	
	0.87		S32	A	Fallow	77	59	92	0.43	0.40	0.37	0.09	0.03	0.00		1.00	0.40	0.26	0.44	0.52	
	1.13		S32	B	Fallow	86	72	97	0.75	0.73	0.69	0.30	0.18	0.07		1.00	0.30	0.34	0.56	0.68	
	3.76		S32	C	Fallow	91	80	98	2.92	2.86	2.77	1.56	1.11	0.65		1.00	0.25	1.13	1.88	2.26	
	2.57		S32	D	Fallow	94	85	99	2.18	2.15	2.10	1.38	1.08	0.75		1.00	0.20	0.77	1.28	1.54	
	0.13		S32	A	Grass, Annual or Perennial, Fair	50	31	70	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.04	0.07	0.08	
	75.47		S32	B	Grass, Annual or Perennial, Fair	69	50	86	26.82	24.64	21.81	2.31	0.04	0.00		1.00	0.30	22.64	37.74	45.28	
	143.59		S32	C	Grass, Annual or Perennial, Fair	79	62	93	75.73	71.84	66.61	19.12	7.50	0.62		1.00	0.25	43.08	71.79	86.15	
	7.85		S32	D	Grass, Annual or Perennial, Fair	84	69	96	4.91	4.72	4.46	1.73	0.93	0.29		1.00	0.20	2.36	3.93	4.71	
	25.40		S32	B	Open Brush, Fair	66	46	84	7.86	7.14	6.21	0.33	0.00	0.00		1.00	0.30	7.62	12.70	15.24	
	310.79		S32	C	Open Brush, Fair	77	59	92	152.45	143.79	132.22	33.38	10.98	0.15		1.00	0.25	93.24	155.39	186.47	
	7.06		S32	D	Open Brush, Fair	83	67	96	4.27	4.09	3.86	1.42	0.72	0.19		1.00	0.20	2.12	3.53	4.23	
	19.85		S32	B	Public Park	56	36	76	5.79	5.36	4.83	4.02	2.95	2.52		0.85	0.30	5.06	8.44	10.13	
	5.35		S32	C	Public Park	69	50	86	2.38	2.24	2.07	1.77	1.28	0.86		0.85	0.25	1.37	2.28	2.73	
	5.96		S32	D	Public Park	75	57	91	3.15	3.01	2.81	2.47	1.85	1.27		0.85	0.20	1.52	2.53	3.04	
	30.31		S32	C	Residential 2 dwellings/acre	69	50	86	16.16	15.50	14.65	13.20	10.74	8.55		0.70	0.25	6.37	10.61	12.73	
	1.81		S32	D	Residential 2 dwellings/acre	75	57	91	1.09	1.05	1.00	0.91	0.75	0.59		0.70	0.20	0.38	0.63	0.76	
	0.30		S32	A	Residential 3-4 dwellings/acre	32	17	52	0.12	0.11	0.11	0.11	0.11	0.10		0.60	0.40	0.05	0.09	0.11	
	71.64		S32	B	Residential 3-4 dwellings/acre	56	36	76	34.72	33.53	32.05	29.70	26.32	24.29		0.60	0.30	12.90	21.49	25.79	
	97.27		S32	C	Residential 3-4 dwellings/acre	69	50	86	57.60	55.74	53.30	49.14	41.94	35.30		0.60	0.25	17.51	29.18	35.02	
	10.38		S32	D	Residential 3-4 dwellings/acre	75	57	91	6.76	6.57	6.31	5.85	5.00	4.14							

RANCHO MISSION VIEJO - GOBERNADORA

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC I/AMCII						5.63							

	3.35		S32	B	School	56	36	76	1.62	1.57	1.50	1.39	1.23	1.14		0.60	0.30	0.60	1.01	1.21		
	4.81		S32	C	School	69	50	86	2.85	2.76	2.64	2.43	2.08	1.75		0.60	0.25	0.87	1.44	1.73		
	5.12		S32	D	School	75	57	91	3.34	3.24	3.11	2.89	2.47	2.04		0.60	0.20	0.92	1.54	1.84		
	3.04		S32	A	Woodland, Grass, Fair	44	26	64	0.17	0.13	0.08	0.00	0.00	0.00		1.00	0.40	0.91	1.52	1.83		
	73.14		S32	B	Woodland, Grass, Fair	65	45	83	21.57	19.51	16.86	0.65	0.00	0.00		1.00	0.30	21.94	36.57	43.88		
	18.26		S32	C	Woodland, Grass, Fair	77	59	92	8.96	8.45	7.77	1.96	0.64	0.01		1.00	0.25	5.48	9.13	10.95		
	1.40		S32	D	Woodland, Grass, Fair	82	66	95	0.82	0.78	0.73	0.25	0.12	0.03		1.00	0.20	0.42	0.70	0.84		
	0.1	HZ-206	S33	A	Barren	78	61	93	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.40	0.03	0.05	0.06		
	2.6	HZ-206	S33	A	Open Brush, Fair	46	28	66	0.19	0.15	0.10	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56		
	3.1	HZ-206	S33	A	Row Crops, Poor	72	53	89	1.25	1.16	1.04	0.17	0.02	0.00		1.00	0.40	0.93	1.55	1.86		
	0.4	HZ-206	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24		
	0.2	HZ-206	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	13.8	HZ-206	S33	B	Open Brush, Fair	66	46	84	4.27	3.88	3.37	0.18	0.00	0.00		1.00	0.30	4.14	6.90	8.28		
	34.6	HZ-206	S33	B	Row Crops, Poor	81	64	95	19.57	18.67	17.44	5.67	2.57	0.45		1.00	0.30	10.38	17.30	20.76		
	2.4	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.71	0.64	0.55	0.02	0.00	0.00		1.00	0.30	0.72	1.20	1.44		
	22.6	HZ-206	S33	C	Open Brush, Fair	77	59	92	11.09	10.46	9.61	2.43	0.80	0.01		1.00	0.25	6.78	11.30	13.56		
	11.6	HZ-206	S33	C	Row Crops, Poor	88	75	98	8.23	8.00	7.67	3.71	2.38	1.13		1.00	0.25	3.48	5.80	6.96		
	0.4	HZ-206	S33	D	Apartments	75	57	91	0.34	0.34	0.33	0.32	0.30	0.28		0.20	0.20	0.02	0.04	0.05		
	4.8	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.71	2.59	2.42	0.79	0.36	0.06		1.00	0.20	1.44	2.40	2.88		
	1.6	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.00	0.96	0.91	0.35	0.19	0.06		1.00	0.20	0.48	0.80	0.96		
	46.4	HZ-206	S33	D	Open Brush, Fair	83	67	96	28.07	26.92	25.36	9.31	4.76	1.27		1.00	0.20	13.92	23.20	27.84		
	0.1	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01		
	60.7	HZ-206	S33	D	Row Crops, Poor	91	80	98	47.16	46.15	44.73	25.24	18.00	10.54		1.00	0.20	18.21	30.35	36.42		
	5.8	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.39	3.25	3.05	1.06	0.51	0.11		1.00	0.20	1.74	2.90	3.48		
	0.2	HZ-207	S33	A	Barren	78	61	93	0.10	0.10	0.09	0.02	0.01	0.00		1.00	0.40	0.06	0.10	0.12		
	0.4	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24		
	0.8	HZ-207	S33	B	Barren	86	72	97	0.53	0.52	0.49	0.21	0.13	0.05		1.00	0.30	0.24	0.40	0.48		
	1.4	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.22	1.21	1.20	1.17	1.13	1.07		0.10	0.30	0.04	0.07	0.08		
	2.6	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.92	0.85	0.75	0.08	0.00	0.00		1.00	0.30	0.78	1.30	1.56		
	2.2	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.68	0.62	0.54	0.03	0.00	0.00		1.00	0.30	0.66	1.10	1.32		
	3.1	HZ-207	S33	B	Row Crops, Poor	81	64	95	1.75	1.67	1.56	0.51	0.23	0.04		1.00	0.30	0.93	1.55	1.86		
	3.4	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.00	0.91	0.78	0.03	0.00	0.00		1.00	0.30	1.02	1.70	2.04		
	0.5	HZ-207	S33	D	Barren	93	83	99	0.41	0.40	0.40	0.25	0.19	0.12		1.00	0.20	0.15	0.25	0.30		
	0.2	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.11	0.11	0.10	0.03	0.01	0.00		1.00	0.20	0.06	0.10	0.12		
	3.6	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.23	3.21	3.17	3.11	2.97	2.78		0.10	0.20	0.11	0.18	0.22		
	4	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.50	2.40	2.27	0.88	0.47	0.15		1.00	0.20	1.20	2.00	2.40		
	14.6	HZ-207	S33	D	Open Brush, Fair	83	67	96	8.83	8.47	7.98	2.93	1.50	0.40		1.00	0.20	4.38	7.30	8.76		
	6.3	HZ-207	S33	D	Row Crops, Poor	91	80	98	4.89	4.79	4.64	2.62	1.87	1.09		1.00	0.20	1.89	3.15	3.78		
	3.7	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.17	2.07	1.94	0.67	0.32	0.07		1.00	0.20	1.11	1.85	2.22		
	0.3	HZ-31100	S33	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18		
	0.5	HZ-31100	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30		
	0.3	HZ-31100	S33	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18		
	0.1	HZ-31101	S33	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06		
	0.5	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30		
	0.7	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.42	0.41	0.38	0.14	0.07	0.02		1.00	0.20	0.21	0.35	0.42		
	0.1	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06		
	0.3	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.17	0.16	0.15	0.05	0.02	0.00		1.00	0.20	0.09	0.15	0.18		
	1.9	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.15	1.10	1.04	0.38	0.19	0.05		1.00	0.20	0.57	0.95	1.14		
	1.1	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66		
	2.5	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.51	1.45	1.37	0.50	0.26	0.07		1.00	0.20	0.75	1.25	1.50		
	0.7	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.32	0.30	0.27	0.06	0.02	0.00		1.00	0.25	0.21	0.35	0.42		
	3	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.47	1.39	1.28	0.32	0.11	0.00		1.00	0.25	0.90	1.50	1.80		
	0.6	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36		
	2.1	HZ-31104	S33	D	Open Brush, Fair	83	67	96	1.27	1.22	1.15	0.42	0.22	0.06		1.00	0.20	0.63	1.05	1.26		
	0.6	HZ-31105	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.16	0.14	0.12	0.00	0.00	0.00		1.00	0.30	0.18	0.30	0.36		
	0.1	HZ-31105	S33	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06		
	2.8	HZ-31105	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.27	1.19	1.09	0.24	0.06	0.00		1.00	0.25	0.84	1.40	1.68		
	2.6	HZ-31105	S33	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00		1.00	0.25	0.78	1.30	1.56		
	0.6	HZ-31105	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36		
	4.1	HZ-31105	S33	D	Open Brush, Fair	83	67	96	2.48	2.38	2.24	0.82	0.42	0.11		1.00	0.20	1.23	2.05	2.46		

RANCHO MISSION VIEJO - GOBERNADORA

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1337)

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	100												
						AMC			P ₂₄ (Inches)															
						II	I	III	AMC I/AMCII											5.63				
	3.4	HZ-31107	S33	D	Open Brush, Fair	83	67	96	2.06	1.97	1.86	0.68	0.35	0.09		1.00	0.20	1.02	1.70	2.04				
	0.7	HZ-31108	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.19	0.17	0.14	0.00	0.00	0.00		1.00	0.30	0.21	0.35	0.42				
	2.2	HZ-31108	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.78	0.72	0.64	0.07	0.00	0.00		1.00	0.30	0.66	1.10	1.32				
	3.1	HZ-31108	S33	B	Open Brush, Fair	66	46	84	0.96	0.87	0.76	0.04	0.00	0.00		1.00	0.30	0.93	1.55	1.86				
	0.9	HZ-31108	S33	B	Woodland, Grass, Fair	65	45	83	0.27	0.24	0.21	0.01	0.00	0.00		1.00	0.30	0.27	0.45	0.54				
	7.4	HZ-31108	S33	C	Chaparral, Broadleaf, Fair	75	57	91	3.37	3.16	2.88	0.62	0.16	0.00		1.00	0.25	2.22	3.70	4.44				
	0.3	HZ-31108	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.16	0.15	0.14	0.04	0.02	0.00		1.00	0.25	0.09	0.15	0.18				
	11.4	HZ-31108	S33	C	Open Brush, Fair	77	59	92	5.59	5.27	4.85	1.22	0.40	0.01		1.00	0.25	3.42	5.70	6.84				
	8.9	HZ-31108	S33	C	Woodland, Grass, Fair	77	59	92	4.37	4.12	3.79	0.96	0.31	0.00		1.00	0.25	2.67	4.45	5.34				
	1.9	HZ-31108	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.07	1.03	0.96	0.31	0.14	0.02		1.00	0.20	0.57	0.95	1.14				
	9.2	HZ-31108	S33	D	Open Brush, Fair	83	67	96	5.57	5.34	5.03	1.85	0.94	0.25		1.00	0.20	2.76	4.60	5.52				
	1.4	HZ-31108	S33	D	Woodland, Grass, Fair	82	66	95	0.82	0.78	0.74	0.25	0.12	0.03		1.00	0.20	0.42	0.70	0.84				
	0.8	HZ-31109	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.28	0.26	0.23	0.02	0.00	0.00		1.00	0.30	0.24	0.40	0.48				
	0.6	HZ-31109	S33	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36				
	0.1	HZ-31109	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05				
	1.3	HZ-31109	S33	B	Row Crops, Poor	81	64	95	0.74	0.70	0.66	0.21	0.10	0.02		1.00	0.30	0.39	0.65	0.78				
	4	HZ-31109	S33	B	Woodland, Grass, Fair	65	45	83	1.18	1.07	0.92	0.04	0.00	0.00		1.00	0.30	1.20	2.00	2.40				
	1.5	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.68	0.64	0.58	0.13	0.03	0.00		1.00	0.25	0.45	0.75	0.90				
	0.3	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.16	0.15	0.14	0.04	0.02	0.00		1.00	0.25	0.09	0.15	0.18				
	9.6	HZ-31109	S33	C	Open Brush, Fair	77	59	92	4.71	4.44	4.08	1.03	0.34	0.00		1.00	0.25	2.88	4.80	5.76				
	0.4	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22				
	6.2	HZ-31109	S33	C	Row Crops, Poor	88	75	98	4.40	4.27	4.10	1.98	1.27	0.61		1.00	0.25	1.86	3.10	3.72				
	3.9	HZ-31109	S33	C	Woodland, Grass, Fair	77	59	92	1.91	1.80	1.66	0.42	0.14	0.00		1.00	0.25	1.17	1.95	2.34				
	1.4	HZ-31109	S33	D	Row Crops, Poor	91	80	98	1.09	1.06	1.03	0.58	0.42	0.24		1.00	0.20	0.42	0.70	0.84				
	4.9	HZ-31110	S33	A	Barren	78	61	93	2.49	2.36	2.18	0.59	0.21	0.01		1.00	0.40	1.47	2.45	2.94				
	1.5	HZ-31110	S33	A	Row Crops, Poor	72	53	89	0.61	0.56	0.51	0.08	0.01	0.00		1.00	0.40	0.45	0.75	0.90				
	0.6	HZ-31110	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32				
	2.5	HZ-31110	S33	B	Row Crops, Poor	81	64	95	1.41	1.35	1.26	0.41	0.19	0.03		1.00	0.30	0.75	1.25	1.50				
	5.3	HZ-31110	S33	C	Row Crops, Poor	88	75	98	3.76	3.65	3.50	1.70	1.09	0.52		1.00	0.25	1.59	2.65	3.18				
	3.3	HZ-31110	S33	D	Row Crops, Poor	91	80	98	2.56	2.51	2.43	1.37	0.98	0.57		1.00	0.20	0.99	1.65	1.98				
	1.3	HZ-31111	S33	A	Barren	78	61	93	0.66	0.63	0.58	0.16	0.06	0.00		1.00	0.40	0.39	0.65	0.78				
	0.2	HZ-31111	S33	A	Commercial, Industrial	32	17	52	0.17	0.17	0.17	0.17	0.16	0.15		0.10	0.40	0.01	0.01	0.01				
	5.3	HZ-31111	S33	A	Row Crops, Poor	72	53	89	2.14	1.99	1.79	0.29	0.04	0.00		1.00	0.40	1.59	2.65	3.18				
	0.3	HZ-31111	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18				
	0.2	HZ-31111	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	0.6	HZ-31111	S33	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36				
	4.3	HZ-31111	S33	B	Row Crops, Poor	81	64	95	2.43	2.32	2.17	0.71	0.32	0.06		1.00	0.30	1.29	2.15	2.58				
	0.8	HZ-31111	S33	B	Woodland, Grass, Fair	65	45	83	0.24	0.21	0.18	0.01	0.00	0.00		1.00	0.30	0.24	0.40	0.48				
	1.1	HZ-31111	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.50	0.47	0.43	0.09	0.02	0.00		1.00	0.25	0.33	0.55	0.66				
	6.9	HZ-31111	S33	C	Open Brush, Fair	77	59	92	3.38	3.19	2.94	0.74	0.24	0.00		1.00	0.25	2.07	3.45	4.14				
	7.9	HZ-31111	S33	C	Row Crops, Poor	88	75	98	5.61	5.45	5.22	2.53	1.62	0.77		1.00	0.25	2.37	3.95	4.74				
	1	HZ-31111	S33	C	Woodland, Grass, Fair	77	59	92	0.49	0.46	0.43	0.11	0.04	0.00		1.00	0.25	0.30	0.50	0.60				
	0.4	HZ-31111	S33	D	Open Brush, Fair	83	67	96	0.24	0.23	0.22	0.08	0.04	0.01		1.00	0.20	0.12	0.20	0.24				
	14.6	HZ-31111	S33	D	Row Crops, Poor	91	80	98	11.34	11.10	10.76	6.07	4.33	2.54		1.00	0.20	4.38	7.30	8.76				
	13.8	HZ-31112	S33	A	Barren	78	61	93	7.02	6.64	6.13	1.66	0.60	0.03		1.00	0.40	4.14	6.90	8.28				
	2.6	HZ-31112	S33	B	Barren	86	72	97	1.73	1.68	1.60	0.69	0.41	0.16		1.00	0.30	0.78	1.30	1.56				
	1.1	HZ-31112	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07				
	3.5	HZ-31112	S33	B	Residential 2.5 acre lots	56	36	76	0.89	0.81	0.71	0.56	0.37	0.30		0.90	0.30	0.95	1.58	1.89				
	6.9	HZ-31112	S33	B	Row Crops, Poor	81	64	95	3.90	3.72	3.48	1.13	0.51	0.09		1.00	0.30	2.07	3.45	4.14				
	0.2	HZ-31112	S33	C	Barren	91	80	98	0.16	0.15	0.15	0.08	0.06	0.03		1.00	0.25	0.06	0.10	0.12				
	0.1	HZ-31112	S33	C	Row Crops, Poor	88	75	98	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.05	0.06				
	0.1	HZ-31112	S33	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01				
	2.4	HZ-31112	S33	D	Residential 2.5 acre lots	75	57	91	1.21	1.15	1.06	0.92	0.66	0.42		0.90	0.20	0.65	1.08	1.30				
	0.5	HZ-31112	S33	D	Row Crops, Poor	91	80	98	0.39	0.38	0.37	0.21	0.15	0.09		1.00	0.20	0.15	0.25	0.30				
	0.5	HZ-31113	S33	A	Barren	78	61	93	0.25	0.24	0.22	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.30				
	0.3	HZ-31113	S33	A	Commercial, Industrial	32	17	52	0.26	0.25	0.25	0.25	0.24	0.23		0.10	0.40	0.01	0.02	0.02				
	0.2	HZ-31113	S33	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12				
	0.8	HZ-31113	S33	A	Residential 2.5 acre lots	32	17	52	0.08	0.08	0.08	0.07	0.07	0.07		0.90	0.40	0.22	0.36	0.43				
	1.6	HZ-31113	S33	A	Row Crops, Poor	72	53	89	0.65	0.60	0.54	0.09	0.01	0.00		1.00	0.40	0.48	0.80	0.96				
	31.9	HZ-31113	S33	B	Barren	86	72	97	21.27	20.56	19.58	8.49	5.01	1.99		1.00	0.30	9.57	15.95	19.14				
	1.7	HZ-31113	S33	B	Commercial, Industrial	56	36	76	1.48	1.47	1.45	1.43	1.37	1.30		0.10	0.30	0.05	0.09	0.10				
	0.3	HZ-31113	S33	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.00	0.00	0.00		1.								

RANCHO MISSION VIEJO - GOBERNADORA

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1337)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III															

	6.5	HZ-31113	S33	D	Residential 2.5 acre lots	75	57	91	3.28	3.11	2.88	2.49	1.80	1.14		0.90	0.20	1.76	2.93	3.51		
	3	HZ-31113	S33	D	Row Crops, Poor	91	80	98	2.33	2.28	2.21	1.25	0.89	0.52		1.00	0.20	0.90	1.50	1.80		
	7.8	HZ-31114	S33	A	Barren	78	61	93	3.97	3.75	3.47	0.94	0.34	0.01		1.00	0.40	2.34	3.90	4.68		
	1.7	HZ-31114	S33	A	Row Crops, Poor	72	53	89	0.69	0.64	0.57	0.09	0.01	0.00		1.00	0.40	0.51	0.85	1.02		
	9.4	HZ-31114	S33	B	Barren	86	72	97	6.27	6.06	5.77	2.50	1.48	0.59		1.00	0.30	2.82	4.70	5.64		
	1.2	HZ-31114	S33	B	Open Brush, Fair	66	46	84	0.37	0.34	0.29	0.02	0.00	0.00		1.00	0.30	0.36	0.60	0.72		
	0.1	HZ-31114	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
	2.6	HZ-31114	S33	B	Row Crops, Poor	81	64	95	1.47	1.40	1.31	0.43	0.19	0.03		1.00	0.30	0.78	1.30	1.56		
	0.2	HZ-31114	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	0.3	HZ-31114	S33	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18		
	0.2	HZ-31114	S33	C	Residential 2.5 acre lots	69	50	86	0.08	0.08	0.07	0.06	0.04	0.02		0.90	0.25	0.05	0.09	0.11		
	2.7	HZ-31114	S33	C	Row Crops, Poor	88	75	98	1.92	1.86	1.79	0.86	0.55	0.26		1.00	0.25	0.81	1.35	1.62		
	18.4	HZ-31115	S33	A	Barren	78	61	93	9.36	8.86	8.18	2.21	0.80	0.04		1.00	0.40	5.52	9.20	11.04		
	1.2	HZ-31115	S33	A	Meadows or Cienegas, Fair	51	32	71	0.14	0.12	0.09	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72		
	0.1	HZ-31115	S33	A	Woodland, Grass, Fair	44	26	64	0.01	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06		
	26.6	HZ-31115	S33	B	Barren	86	72	97	17.74	17.14	16.32	7.08	4.18	1.66		1.00	0.30	7.98	13.30	15.96		
	3.9	HZ-31115	S33	B	Commercial, Industrial	56	36	76	3.39	3.37	3.33	3.27	3.14	2.97		0.10	0.30	0.12	0.20	0.23		
	3	HZ-31115	S33	B	Fallow	86	72	97	2.00	1.93	1.84	0.80	0.47	0.19		1.00	0.30	0.90	1.50	1.80		
	0.5	HZ-31115	S33	B	Open Brush, Fair	66	46	84	0.15	0.14	0.12	0.01	0.00	0.00		1.00	0.30	0.15	0.25	0.30		
	8.2	HZ-31115	S33	B	Residential 2.5 acre lots	56	36	76	2.08	1.89	1.66	1.31	0.86	0.69		0.90	0.30	2.21	3.69	4.43		
	1.1	HZ-31115	S33	B	Row Crops, Poor	81	64	95	0.62	0.59	0.55	0.18	0.08	0.01		1.00	0.30	0.33	0.55	0.66		
	0.2	HZ-31115	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	14	HZ-31115	S33	C	Barren	91	80	98	10.88	10.64	10.32	5.82	4.15	2.43		1.00	0.25	4.20	7.00	8.40		
	4.3	HZ-31115	S33	C	Commercial, Industrial	69	50	86	3.82	3.79	3.75	3.67	3.51	3.30		0.10	0.25	0.13	0.22	0.26		
	5.3	HZ-31115	S33	C	Fallow	91	80	98	4.12	4.03	3.91	2.20	1.57	0.92		1.00	0.25	1.59	2.65	3.18		
	2.7	HZ-31115	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.42	1.35	1.25	0.36	0.14	0.01		1.00	0.25	0.81	1.35	1.62		
	3.2	HZ-31115	S33	C	Meadows or Cienegas, Fair	80	63	94	1.75	1.66	1.55	0.47	0.20	0.02		1.00	0.25	0.96	1.60	1.92		
	6.1	HZ-31115	S33	C	Open Brush, Fair	77	59	92	2.99	2.82	2.60	0.66	0.22	0.00		1.00	0.25	1.83	3.05	3.66		
	7.5	HZ-31115	S33	C	Residential 2.5 acre lots	69	50	86	3.11	2.91	2.65	2.22	1.50	0.90		0.90	0.25	2.03	3.38	4.05		
	5.4	HZ-31115	S33	C	Row Crops, Poor	88	75	98	3.83	3.72	3.57	1.73	1.11	0.53		1.00	0.25	1.62	2.70	3.24		
	1.6	HZ-31115	S33	C	Woodland, Grass, Fair	77	59	92	0.78	0.74	0.68	0.17	0.06	0.00		1.00	0.25	0.48	0.80	0.96		
	1.9	HZ-31115	S33	D	Barren	93	83	99	1.56	1.54	1.50	0.94	0.72	0.47		1.00	0.20	0.57	0.95	1.14		
	2	HZ-31115	S33	D	Commercial, Industrial	75	57	91	1.80	1.78	1.76	1.73	1.65	1.55		0.10	0.20	0.06	0.10	0.12		
	3.7	HZ-31115	S33	D	Fallow	94	85	99	3.14	3.09	3.03	1.99	1.56	1.08		1.00	0.20	1.11	1.85	2.22		
	2.1	HZ-31115	S33	D	Open Brush, Fair	83	67	96	1.27	1.22	1.15	0.42	0.22	0.06		1.00	0.20	0.63	1.05	1.26		
	2.6	HZ-31115	S33	D	Residential 2.5 acre lots	75	57	91	1.31	1.24	1.15	1.00	0.72	0.46		0.90	0.20	0.70	1.17	1.40		
	0.2	HZ-31115	S33	D	Row Crops, Poor	91	80	98	0.16	0.15	0.15	0.08	0.06	0.03		1.00	0.20	0.06	0.10	0.12		
	0.1	HZ-31115	S33	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06		
	0.5	S33-01	S33	A	Barren	78	61	93	0.25	0.24	0.22	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.30		
	22.6	S33-01	S33	A	Commercial, Industrial	32	17	52	19.27	19.18	19.06	18.78	18.17	17.24		0.10	0.40	0.68	1.13	1.36		
	4.7	S33-01	S33	A	Row Crops, Poor	72	53	89	1.90	1.76	1.58	0.26	0.03	0.00		1.00	0.40	1.41	2.35	2.82		
	2.9	S33-01	S33	A	Woodland, Grass, Fair	44	26	64	0.17	0.12	0.07	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74		
	0.2	S33-01	S33	B	Barren	86	72	97	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.30	0.06	0.10	0.12		
	7.4	S33-01	S33	B	Commercial, Industrial	56	36	76	6.44	6.39	6.33	6.21	5.96	5.64		0.10	0.30	0.22	0.37	0.44		
	1	S33-01	S33	B	Row Crops, Poor	81	64	95	0.57	0.54	0.50	0.16	0.07	0.01		1.00	0.30	0.30	0.50	0.60		
	1.4	S33-01	S33	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.14	1.07		0.10	0.25	0.04	0.07	0.08		
	15.6	S33-01	S33	C	Open Brush, Fair	77	59	92	7.65	7.22	6.64	1.68	0.55	0.01		1.00	0.25	4.68	7.80	9.36		
	0.1	S33-01	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.06	0.06	0.05	0.05	0.04	0.04		0.60	0.25	0.02	0.03	0.04		
	5.3	S33-01	S33	C	Row Crops, Poor	88	75	98	3.76	3.65	3.50	1.70	1.09	0.52		1.00	0.25	1.59	2.65	3.18		
	1.2	S33-02	S33	A	Barren	78	61	93	0.61	0.58	0.53	0.14	0.05	0.00		1.00	0.40	0.36	0.60	0.72		
	0.6	S33-02	S33	A	Row Crops, Poor	72	53	89	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.40	0.18	0.30	0.36		
	0.9	S33-02	S33	C	Barren	91	80	98	0.70	0.68	0.66	0.37	0.27	0.16		1.00	0.25	0.27	0.45	0.54		
	4.8	S33-02	S33	C	Open Brush, Fair	77	59	92	2.35	2.22	2.04	0.52	0.17	0.00		1.00	0.25	1.44	2.40	2.88		
	1.9	S33-02	S33	C	Row Crops, Poor	88	75	98	1.35	1.31	1.26	0.61	0.39	0.19		1.00	0.25	0.57	0.95	1.14		
	0.2	S33-05.5	S33	B	Barren	86	72	97	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.30	0.06	0.10	0.12		
	0.5	S33-05.5	S33	B	Row Crops, Poor	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.30	0.15	0.25	0.30		
	1.1	S33-05.5	S33	B	Woodland, Grass, Fair	65	45	83	0.32	0.29	0.25	0.01	0.00	0.00		1.00	0.30	0.33	0.55	0.66		
	0.3	S33-05.5	S33	C	Barren	91	80	98	0.23	0.23	0.22	0.12	0.09	0.05		1.00	0.25	0.09	0.15	0.18		
	1.1	S33-05.5	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.58	0.55	0.51	0.15	0.06	0.00		1.00	0.25	0.33	0.55	0.66		
	3.5	S33-05.5	S33	C	Open Brush, Fair	77	59	92	1.72	1.62	1.49	0.38	0.12	0.00		1.00	0.25	1.05	1.75	2.10		
	1.4																					

RANCHO MISSION VIEJO - GOBERNADORA

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100											
						AMC			P ₂₄ (Inches)					5.63									
						II	I	III							AMC I/AMC II								
	2.3	S33-05.6	S33	C	Woodland, Grass, Fair	77	59	92	1.13	1.06	0.98	0.25	0.08	0.00		1.00	0.25	0.69	1.15	1.38			
	0.2	S33-05.6	S33	D	Grass, Annual or Perennial, Fair	84	69	96	0.13	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12			
	6.9	S33-05.6	S33	D	Open Brush, Fair	83	67	96	4.17	4.00	3.77	1.39	0.71	0.19		1.00	0.20	2.07	3.45	4.14			
	0.7	S33-05.6	S33	D	Woodland, Grass, Fair	82	66	95	0.41	0.39	0.37	0.13	0.06	0.01		1.00	0.20	0.21	0.35	0.42			
PA3 Line A	1.1	OA-1	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66			
PA3 Line A	0.9	OA-2	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.41	0.38	0.35	0.08	0.02	0.00		1.00	0.25	0.27	0.45	0.54			
PA3 Line A	2.6	OA-2	S33	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00		1.00	0.25	0.78	1.30	1.56			
PA3 Line A	0.7	OA-2	S33	C	Residential 2.5 acre lots	69	50	86	0.29	0.27	0.25	0.21	0.14	0.08		0.90	0.25	0.19	0.32	0.38			
PA3 Line A	1.1	A-1	S33	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.39	0.33	0.22	0.13		0.90	0.25	0.30	0.50	0.59			
PA3 Line A	1	A-1	S33	C	Commercial, Industrial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77		0.10	0.25	0.03	0.05	0.06			
PA3 Line A	1.1	A-2	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07			
PA3 Line A	0.3	A-2	S33	B	Residential 2.5 acre lots	56	36	76	0.08	0.07	0.06	0.05	0.03	0.03		0.90	0.30	0.08	0.14	0.16			
PA3 Line A	6.6	A-2	S33	C	Commercial, Industrial	69	50	86	5.86	5.82	5.75	5.63	5.39	5.06		0.10	0.25	0.20	0.33	0.40			
PA3 Line A	1.8	A-2	S33	C	Residential 2.5 acre lots	69	50	86	0.75	0.70	0.64	0.53	0.36	0.22		0.90	0.25	0.49	0.81	0.97			
PA3 Line A	0.6	A-3	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04			
PA3 Line A	3.9	A-3	S33	C	Commercial, Industrial	69	50	86	3.46	3.44	3.40	3.33	3.18	2.99		0.10	0.25	0.12	0.20	0.23			
PA3 Line A	0.2	A-3	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	0.9	A-3	S33	C	Residential 2.5 acre lots	69	50	86	0.37	0.35	0.32	0.27	0.18	0.11		0.90	0.25	0.24	0.41	0.49			
PA3 Line A	0.6	A-4	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04			
PA3 Line A	0.3	A-4	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15			
PA3 Line A	0.4	A-4	S33	B	Residential 2.5 acre lots	56	36	76	0.10	0.09	0.08	0.06	0.04	0.03		0.90	0.30	0.11	0.18	0.22			
PA3 Line A	5	A-4	S33	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84		0.10	0.25	0.15	0.25	0.30			
PA3 Line A	2.1	A-4	S33	C	Public Park	69	50	86	0.93	0.88	0.81	0.69	0.50	0.34		0.85	0.25	0.54	0.89	1.07			
PA3 Line A	0.8	A-4	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10		0.90	0.25	0.22	0.36	0.43			
PA3 Line A	1.8	A-4	S33	D	Commercial, Industrial	75	57	91	1.62	1.60	1.59	1.55	1.48	1.39		0.10	0.20	0.05	0.09	0.11			
PA3 Line A	2.8	A-5	S33	B	Commercial, Industrial	56	36	76	2.44	2.42	2.39	2.35	2.26	2.14		0.10	0.30	0.08	0.14	0.17			
PA3 Line A	7.6	A-5	S33	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83		0.10	0.25	0.23	0.38	0.46			
PA3 Line A	0.4	A-5	S33	C	Public Park	69	50	86	0.18	0.17	0.15	0.13	0.10	0.06		0.85	0.25	0.10	0.17	0.20			
PA3 Line A	10.5	A-5	S33	D	Commercial, Industrial	75	57	91	9.43	9.36	9.26	9.07	8.66	8.12		0.10	0.20	0.32	0.53	0.63			
PA3 Line A	0.3	A-5	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16			
PA3 Line A	6.8	A-6	S33	B	Commercial, Industrial	56	36	76	5.92	5.87	5.81	5.70	5.48	5.19		0.10	0.30	0.20	0.34	0.41			
PA3 Line A	12.1	A-6	S33	C	Commercial, Industrial	69	50	86	10.75	10.66	10.55	10.33	9.87	9.28		0.10	0.25	0.36	0.61	0.73			
PA3 Line A	1	A-6	S33	C	Public Park	69	50	86	0.44	0.42	0.39	0.33	0.24	0.16		0.85	0.25	0.26	0.43	0.51			
PA3 Line A	4.5	A-6	S33	D	Commercial, Industrial	75	57	91	4.04	4.01	3.97	3.89	3.71	3.48		0.10	0.20	0.14	0.23	0.27			
PA3 Line A	3.4	A-8	S33	B	Commercial, Industrial	56	36	76	2.96	2.94	2.91	2.85	2.74	2.59		0.10	0.30	0.10	0.17	0.20			
PA3 Line A	6.7	A-8	S33	C	Commercial, Industrial	69	50	86	5.95	5.90	5.84	5.72	5.47	5.14		0.10	0.25	0.20	0.34	0.40			
PA3 Line A	0.1	A-8	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05			
PA3 Line A	2.5	A-8	S33	D	Commercial, Industrial	75	57	91	2.25	2.23	2.20	2.16	2.06	1.93		0.10	0.20	0.08	0.13	0.15			
PA3 Line A	7.2	A-7	S33	B	Commercial, Industrial	56	36	76	6.27	6.22	6.16	6.04	5.80	5.49		0.10	0.30	0.22	0.36	0.43			
PA3 Line A	0.7	A-7	S33	B	Public Park	56	36	76	0.20	0.19	0.17	0.14	0.10	0.09		0.85	0.30	0.18	0.30	0.36			
PA3 Line A	7.6	A-7	S33	C	Commercial, Industrial	69	50	86	6.75	6.70	6.62	6.49	6.20	5.83		0.10	0.25	0.23	0.38	0.46			
PA3 Line A	0.3	A-7	S33	C	Public Park	69	50	86	0.13	0.13	0.12	0.10	0.07	0.05		0.85	0.25	0.08	0.13	0.15			
PA3 Line A	4.7	A-7	S33	D	Commercial, Industrial	75	57	91	4.22	4.19	4.14	4.06	3.88	3.63		0.10	0.20	0.14	0.24	0.28			
PA3 Line A	0.4	A-7	S33	D	Public Park	75	57	91	0.21	0.20	0.19	0.17	0.12	0.09		0.85	0.20	0.10	0.17	0.20			
PA3 Line A	3.5	A-18	S33	B	Commercial, Industrial	56	36	76	3.05	3.02	2.99	2.94	2.82	2.67		0.10	0.30	0.11	0.18	0.21			
PA3 Line A	0.6	A-18	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32			
PA3 Line A	2.8	A-18	S33	C	Commercial, Industrial	69	50	86	2.49	2.47	2.44	2.39	2.29	2.15		0.10	0.25	0.08	0.14	0.17			
PA3 Line A	0.8	A-18	S33	C	Residential 2.5 acre lots	69	50	86	0.33	0.31	0.28	0.24	0.16	0.10		0.90	0.25	0.22	0.36	0.43			
PA3 Line A	0.6	A-18	S33	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46		0.10	0.20	0.02	0.03	0.04			
PA3 Line A	0.4	A-9	S33	B	Apartments	56	36	76	0.32	0.31	0.31	0.30	0.29	0.27		0.20	0.30	0.02	0.04	0.05			
PA3 Line A	5.5	A-9	S33	C	Apartments	69	50	86	4.56	4.51	4.44	4.31	4.07	3.78		0.20	0.25	0.33	0.55	0.66			
PA3 Line A	3.2	A-9	S33	D	Apartments	75	57	91	2.72	2.69	2.65	2.57	2.42	2.24		0.20	0.20	0.19	0.32	0.38			
PA3 Line A	0.4	A-10	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22			
PA3 Line A	0.3	A-10	S33	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02			
PA3 Line A	1.3	A-10	S33	D	Public Park	75	57	91	0.69	0.66	0.61	0.54	0.40	0.28		0.85	0.20	0.33	0.55	0.66			
PA3 Line A	1	A-10	S33	D	Residential 2.5 acre lots	75	57	91	0.50	0.48	0.44	0.38	0.28	0.18		0.90	0.20	0.27	0.45	0.54			
PA3 Line A	2.3	A-11	S33	C	Commercial, Industrial	69	50	86	2.04	2.03	2.00	1.96	1.88	1.76		0.10	0.25	0.07	0.12	0.14			
PA3 Line A	0.3	A-11	S33	C	Residential 2.5 acre lots	69	50	86	0.12	0.12	0.11	0.09	0.06	0.04		0.90	0.25	0.08	0.14	0.16			
PA3 Line A	1	A-11	S33	D	Commercial, Industrial	75	57	91	0.90	0.89	0.88	0.86	0.82	0.77		0.10	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-11	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16			
PA3 Line A	5	A-12	S33	C	Commercial, Industrial	69	50	86	4.44	4.41	4.36	4.27	4.08	3.84		0.10	0.25	0.15	0.25	0.30			
PA3 Line A	2.2	A-12	S33	C	Residential 2.5 acre lots	69	50</																

RANCHO MISSION VIEJO - GOBERNADORA

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC I/AMCII										5.63				
PA3 Line A	4.1	A-14	S33	D	Commercial, Industrial	75	57	91	3.68	3.65	3.61	3.54	3.38	3.17		0.10	0.20	0.12	0.21	0.25			
PA3 Line A	0.3	A-14	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16			
PA3 Line A	4.5	A-15	S33	C	Commercial, Industrial	69	50	86	4.00	3.97	3.92	3.84	3.67	3.45		0.10	0.25	0.14	0.23	0.27			
PA3 Line A	1.2	A-15	S33	C	Public Park	69	50	86	0.53	0.50	0.46	0.40	0.29	0.19		0.85	0.25	0.31	0.51	0.61			
PA3 Line A	3.8	A-15	S33	C	Residential 2.5 acre lots	69	50	86	1.58	1.48	1.34	1.13	0.76	0.46		0.90	0.25	1.03	1.71	2.05			
PA3 Line A	5.3	OA-3	S33	C	Open Brush, Fair	77	59	92	2.60	2.45	2.25	0.57	0.19	0.00		1.00	0.25	1.59	2.65	3.18			
PA3 Line A	0.3	OA-3	S33	C	Woodland, Grass, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18			
PA3 Line A	3.4	A-16	S33	B	Commercial, Industrial	56	36	76	2.96	2.94	2.91	2.85	2.74	2.59		0.10	0.30	0.10	0.17	0.20			
PA3 Line A	11	A-16	S33	C	Commercial, Industrial	69	50	86	9.77	9.69	9.59	9.39	8.98	8.44		0.10	0.25	0.33	0.55	0.66			
PA3 Line A	1.8	A-16	S33	C	Public Park	69	50	86	0.80	0.75	0.70	0.60	0.43	0.29		0.85	0.25	0.46	0.77	0.92			
PA3 Line A	1.5	A-16	S33	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18		0.90	0.25	0.41	0.68	0.81			
PA3 Line A	3.2	A-16	S33	D	Commercial, Industrial	75	57	91	2.87	2.85	2.82	2.76	2.64	2.47		0.10	0.20	0.10	0.16	0.19			
PA3 Line A	3.1	A-17	S33	B	Commercial, Industrial	56	36	76	2.70	2.68	2.65	2.60	2.50	2.37		0.10	0.30	0.09	0.16	0.19			
PA3 Line A	1.4	A-17	S33	B	Public Park	56	36	76	0.41	0.38	0.34	0.28	0.21	0.18		0.85	0.30	0.36	0.60	0.71			
PA3 Line A	1.1	A-17	S33	B	Residential 2.5 acre lots	56	36	76	0.28	0.25	0.22	0.18	0.11	0.09		0.90	0.30	0.30	0.50	0.59			
PA3 Line A	5.1	A-17	S33	C	Commercial, Industrial	69	50	86	4.53	4.49	4.45	4.35	4.16	3.91		0.10	0.25	0.15	0.26	0.31			
PA3 Line A	1.9	A-17	S33	C	Public Park	69	50	86	0.84	0.80	0.73	0.63	0.45	0.31		0.85	0.25	0.48	0.81	0.97			
PA3 Line A	3.6	A-17	S33	C	Residential 2.5 acre lots	69	50	86	1.49	1.40	1.27	1.07	0.72	0.44		0.90	0.25	0.97	1.62	1.94			
PA3 Line A	2.7	A-17	S33	D	Commercial, Industrial	75	57	91	2.43	2.41	2.38	2.33	2.23	2.09		0.10	0.20	0.08	0.14	0.16			
PA3 Line A	0.1	A-17	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	0.5	A-17	S33	D	Residential 2.5 acre lots	75	57	91	0.25	0.24	0.22	0.19	0.14	0.09		0.90	0.20	0.14	0.23	0.27			
PA3 Line A	1.1	A-19	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07			
PA3 Line A	3.6	A-19	S33	C	Commercial, Industrial	69	50	86	3.20	3.17	3.14	3.07	2.94	2.76		0.10	0.25	0.11	0.18	0.22			
PA3 Line A	0.5	A-20	S33	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38		0.10	0.25	0.02	0.03	0.03			
PA3 Line A	0.2	A-20	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	2.7	A-20	S33	C	Residential 10+ dwellings/acre	69	50	86	2.24	2.21	2.18	2.12	2.00	1.85		0.20	0.25	0.16	0.27	0.32			
PA3 Line A	1.4	A-20	S33	C	Residential 2.5 acre lots	69	50	86	0.58	0.54	0.50	0.41	0.28	0.17		0.90	0.25	0.38	0.63	0.76			
PA3 Line A	0.1	A-20	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05			
PA3 Line A	1.3	A-20	S33	D	Residential 10+ dwellings/acre	75	57	91	1.10	1.09	1.07	1.04	0.98	0.91		0.20	0.20	0.08	0.13	0.16			
PA3 Line A	0.2	A-20	S33	D	Residential 2.5 acre lots	75	57	91	0.10	0.10	0.09	0.08	0.06	0.04		0.90	0.20	0.05	0.09	0.11			
PA3 Line A	5.4	A-21	S33	C	Residential 10+ dwellings/acre	69	50	86	4.48	4.43	4.36	4.23	3.99	3.71		0.20	0.25	0.32	0.54	0.65			
PA3 Line A	2.4	A-21	S33	C	Residential 2.5 acre lots	69	50	86	0.99	0.93	0.85	0.71	0.48	0.29		0.90	0.25	0.65	1.08	1.30			
PA3 Line A	0.7	A-21	S33	C	Commercial, Industrial	69	50	86	0.62	0.62	0.61	0.60	0.57	0.54		0.10	0.25	0.02	0.04	0.04			
PA3 Line A	0.6	A-21	S33	D	Residential 2.5 acre lots	75	57	91	0.30	0.29	0.27	0.23	0.17	0.11		0.90	0.20	0.16	0.27	0.32			
PA3 Line A	7.6	A-22	S33	C	Apartments	69	50	86	6.30	6.23	6.13	5.96	5.62	5.22		0.20	0.25	0.46	0.76	0.91			
PA3 Line A	1.4	A-22	S33	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.14	1.07		0.10	0.25	0.04	0.07	0.08			
PA3 Line A	2.3	A-22	S33	C	Residential 10+ dwellings/acre	69	50	86	1.91	1.89	1.86	1.80	1.70	1.58		0.20	0.25	0.14	0.23	0.28			
PA3 Line A	6.5	A-22	S33	C	Residential 2.5 acre lots	69	50	86	2.69	2.52	2.30	1.92	1.30	0.79		0.90	0.25	1.76	2.93	3.51			
PA3 Line A	8.4	A-22	S33	C	Residential 3-4 dwellings/acre	69	50	86	4.97	4.81	4.60	4.24	3.62	3.05		0.60	0.25	1.51	2.52	3.02			
PA3 Line A	0.5	A-22	S33	D	Apartments	75	57	91	0.42	0.42	0.41	0.40	0.38	0.35		0.20	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-22	S33	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02			
PA3 Line A	1.1	A-22	S33	D	Public Park	75	57	91	0.58	0.55	0.52	0.45	0.34	0.23		0.85	0.20	0.28	0.47	0.56			
PA3 Line A	2	A-22	S33	D	Residential 10+ dwellings/acre	75	57	91	1.70	1.68	1.65	1.61	1.51	1.40		0.20	0.20	0.12	0.20	0.24			
PA3 Line A	3.8	A-22	S33	D	Residential 2.5 acre lots	75	57	91	1.92	1.82	1.69	1.46	1.05	0.67		0.90	0.20	1.03	1.71	2.05			
PA3 Line A	3.8	A-22	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.48	2.41	2.31	2.14	1.83	1.52		0.60	0.20	0.68	1.14	1.37			
PA3 Line A	0.1	A-23	S33	C	Apartments	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.25	0.01	0.01	0.01			
PA3 Line A	1.6	A-23	S33	C	Commercial, Industrial	69	50	86	1.42	1.41	1.39	1.37	1.31	1.23		0.10	0.25	0.05	0.08	0.10			
PA3 Line A	0.2	A-23	S33	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10			
PA3 Line A	0.3	A-23	S33	D	Apartments	75	57	91	0.25	0.25	0.25	0.24	0.23	0.21		0.20	0.20	0.02	0.03	0.04			
PA3 Line A	2.1	A-23	S33	D	Commercial, Industrial	75	57	91	1.89	1.87	1.85	1.81	1.73	1.62		0.10	0.20	0.06	0.11	0.13			
PA3 Line A	0.6	A-23	S33	D	Public Park	75	57	91	0.32	0.30	0.28	0.25	0.19	0.13		0.85	0.20	0.15	0.26	0.31			
PA3 Line A	0.2	A-23	S33	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14		0.20	0.20	0.01	0.02	0.02			
PA3 Line A	0.5	A-25	S33	C	Apartments	69	50	86	0.41	0.41	0.40	0.39	0.37	0.34		0.20	0.25	0.03	0.05	0.06			
PA3 Line A	1.2	A-25	S33	C	Commercial, Industrial	69	50	86	1.07	1.06	1.05	1.02	0.98	0.92		0.10	0.25	0.04	0.06	0.07			
PA3 Line A	0.1	A-25	S33	C	Residential 2.5 acre lots	69	50	86	0.50	0.47	0.42	0.36	0.24	0.15		0.90	0.25	0.32	0.54	0.65			
PA3 Line A	1.2	A-25	S33	D	Apartments	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01			
PA3 Line A	1.6	A-25	S33	D	Commercial, Industrial	75	57	91	1.44	1.43	1.41	1.38	1.32	1.24		0.10	0.20	0.05	0.08	0.10			
PA3 Line A	3	A-25	S33	D	Residential 2.5 acre lots	75	57	91	1.51	1.43	1.33	1.15	0.83	0.53		0.90	0.20	0.81	1.35	1.62			
PA3 Line A	1.9	A-25.1	S33	C	Apartments	69	50	86	1.58	1.56	1.53	1.49	1.40	1.30		0.20	0.25	0.11	0.19	0.23			
PA3 Line A	0.6	A-25.1	S33	C	Residential 2.5 acre lots	69	50	86	0.25	0.23	0.21	0.18	0.12	0.07		0.90	0.25	0.16	0.27	0.32			
PA3 Line A	0.3	A-25.1	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.18	0.17	0.16	0.15	0.13	0.11									

RANCHO MISSION VIEJO - GOBERNADORA

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100											
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC I/AMCII										5.63				
				EV				HC				All											
				> 5				5				2											

PA3 Line A	4.7	A-26	S33	D	Residential 2.5 acre lots	75	57	91	2.37	2.25	2.08	1.80	1.30	0.83		0.90	0.20	1.27	2.12	2.54		
PA3 Line A	1.5	A-27	S33	B	Commercial, Industrial	56	36	76	1.31	1.30	1.28	1.26	1.21	1.14		0.10	0.30	0.05	0.08	0.09		
PA3 Line A	0.2	A-27	S33	B	Public Park	56	36	76	0.06	0.05	0.05	0.04	0.03	0.03		0.85	0.30	0.05	0.09	0.10		
PA3 Line A	1.1	A-27	S33	C	Apartments	69	50	86	0.91	0.90	0.89	0.86	0.81	0.76		0.20	0.25	0.07	0.11	0.13		
PA3 Line A	12.7	A-27	S33	C	Commercial, Industrial	69	50	86	11.28	11.19	11.07	10.84	10.36	9.74		0.10	0.25	0.38	0.64	0.76		
PA3 Line A	0.8	A-27	S33	C	Public Park	69	50	86	0.36	0.34	0.31	0.26	0.19	0.13		0.85	0.25	0.20	0.34	0.41		
PA3 Line A	4.1	A-27	S33	C	Residential 2.5 acre lots	69	50	86	1.70	1.59	1.45	1.21	0.82	0.50		0.90	0.25	1.11	1.85	2.21		
PA3 Line A	1.2	A-27	S33	D	Commercial, Industrial	75	57	91	1.08	1.07	1.06	1.04	0.99	0.93		0.10	0.20	0.04	0.06	0.07		
PA3 Line A	1.5	A-27	S33	D	Public Park	75	57	91	0.79	0.76	0.71	0.62	0.47	0.32		0.85	0.20	0.38	0.64	0.77		
PA3 Line A	0.1	A-27	S33	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.05		
PA3 Line A	1	A-28	S33	B	Commercial, Industrial	56	36	76	0.87	0.86	0.85	0.84	0.81	0.76		0.10	0.30	0.03	0.05	0.06		
PA3 Line A	1.3	A-28	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08		
PA3 Line A	12.6	A-28	S33	D	Commercial, Industrial	75	57	91	11.32	11.23	11.11	10.88	10.39	9.74		0.10	0.20	0.38	0.63	0.76		
PA3 Line A	1.1	A-28	S33	D	Public Park	75	57	91	0.58	0.55	0.52	0.45	0.34	0.23		0.85	0.20	0.28	0.47	0.56		
PA3 Line A	0.1	A-28	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01		
PA3 Line A	2.1	A-28	S33	D	Residential 2.5 acre lots	75	57	91	1.06	1.00	0.93	0.81	0.58	0.37		0.90	0.20	0.57	0.95	1.13		
PA3 Line A	2.2	A-29	S33	C	Commercial, Industrial	69	50	86	1.95	1.94	1.92	1.88	1.80	1.69		0.10	0.25	0.07	0.11	0.13		
PA3 Line A	0.4	A-29	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22		
PA3 Line A	0.6	A-30	S33	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04		
PA3 Line A	0.6	A-30	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32		
PA3 Line A	1.8	A-30	S33	C	Commercial, Industrial	69	50	86	1.60	1.59	1.57	1.54	1.47	1.38		0.10	0.25	0.05	0.09	0.11		
PA3 Line A	1.4	A-30	S33	C	Residential 2.5 acre lots	69	50	86	0.58	0.54	0.50	0.41	0.28	0.17		0.90	0.25	0.38	0.63	0.76		
PA3 Line A	0.8	A-30	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05		
PA3 Line A	1.6	A-30	S33	D	Residential 2.5 acre lots	75	57	91	0.81	0.77	0.71	0.61	0.44	0.28		0.90	0.20	0.43	0.72	0.86		
PA3 Line A	2.5	A-31	S33	B	Commercial, Industrial	56	36	76	2.18	2.16	2.14	2.10	2.01	1.91		0.10	0.30	0.08	0.13	0.15		
PA3 Line A	0.3	A-31	S33	B	Public Park	56	36	76	0.09	0.08	0.07	0.06	0.04	0.04		0.85	0.30	0.08	0.13	0.15		
PA3 Line A	0.1	A-31	S33	B	Residential 10+ dwellings/acre	56	36	76	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.30	0.01	0.01	0.01		
PA3 Line A	0.1	A-31	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05		
PA3 Line A	1.5	A-31	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.73	0.70	0.67	0.62	0.55	0.51		0.60	0.30	0.27	0.45	0.54		
PA3 Line A	0.2	A-31	S33	B	Residential 5-7 dwellings/acre	56	36	76	0.11	0.11	0.11	0.10	0.09	0.08		0.50	0.30	0.03	0.05	0.06		
PA3 Line A	2.9	A-31	S33	B	Residential 8-10 dwellings/acre	56	36	76	1.85	1.82	1.77	1.69	1.57	1.48		0.40	0.30	0.35	0.58	0.70		
PA3 Line A	4.7	A-31	S33	C	Commercial, Industrial	69	50	86	4.17	4.14	4.10	4.01	3.84	3.61		0.10	0.25	0.14	0.24	0.28		
PA3 Line A	1.3	A-31	S33	C	Public Park	69	50	86	0.58	0.54	0.50	0.43	0.31	0.21		0.85	0.25	0.33	0.55	0.66		
PA3 Line A	0.9	A-31	S33	C	Residential 10+ dwellings/acre	69	50	86	0.75	0.74	0.73	0.71	0.67	0.62		0.20	0.25	0.05	0.09	0.11		
PA3 Line A	0.1	A-31	S33	C	Residential 2.5 acre lots	69	50	86	0.04	0.04	0.04	0.03	0.02	0.01		0.90	0.25	0.03	0.05	0.05		
PA3 Line A	3.8	A-31	S33	C	Residential 3-4 dwellings/acre	69	50	86	2.25	2.18	2.08	1.92	1.64	1.38		0.60	0.25	0.68	1.14	1.37		
PA3 Line A	4.4	A-31	S33	C	Residential 5-7 dwellings/acre	69	50	86	2.87	2.79	2.70	2.53	2.24	1.95		0.50	0.25	0.66	1.10	1.32		
PA3 Line A	0.7	A-31	S33	C	Residential 8-10 dwellings/acre	69	50	86	0.50	0.49	0.47	0.45	0.41	0.37		0.40	0.25	0.08	0.14	0.17		
PA3 Line A	5	A-31	S33	D	Commercial, Industrial	75	57	91	4.49	4.46	4.41	4.32	4.12	3.87		0.10	0.20	0.15	0.25	0.30		
PA3 Line A	0.1	A-31	S33	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05		
PA3 Line A	10.3	A-31	S33	D	Residential 10+ dwellings/acre	75	57	91	8.74	8.65	8.52	8.28	7.79	7.20		0.20	0.20	0.62	1.03	1.24		
PA3 Line A	0.1	A-31	S33	D	Residential 2.5 acre lots	75	57	91	0.05	0.05	0.04	0.04	0.03	0.02		0.90	0.20	0.03	0.05	0.05		
PA3 Line A	1.3	A-31	S33	D	Residential 3-4 dwellings/acre	75	57	91	0.85	0.82	0.79	0.73	0.63	0.52		0.60	0.20	0.23	0.39	0.47		
PA3 Line A	3.9	A-31	S33	D	Residential 5-7 dwellings/acre	75	57	91	2.73	2.67	2.58	2.43	2.15	1.85		0.50	0.20	0.59	0.98	1.17		
PA3 Line A	2.3	A-31	S33	D	Residential 8-10 dwellings/acre	75	57	91	1.73	1.69	1.65	1.57	1.42	1.26		0.40	0.20	0.28	0.46	0.55		
PA3 Line A	1.3	A-32	S33	B	Commercial, Industrial	56	36	76	1.13	1.12	1.11	1.09	1.05	0.99		0.10	0.30	0.04	0.07	0.08		
PA3 Line A	1.2	A-32	S33	B	Residential 2.5 acre lots	56	36	76	0.30	0.28	0.24	0.19	0.13	0.10		0.90	0.30	0.32	0.54	0.65		
PA3 Line A	0.1	A-32	S33	B	Residential 3-4 dwellings/acre	56	36	76	0.05	0.05	0.04	0.04	0.04	0.03		0.60	0.30	0.02	0.03	0.04		
PA3 Line A	1.3	A-32	S33	C	Commercial, Industrial	69	50	86	1.15	1.15	1.13	1.11	1.06	1.00		0.10	0.25	0.04	0.07	0.08		
PA3 Line A	0.1	A-32	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05		
PA3 Line A	3	A-32	S33	C	Residential 2.5 acre lots	69	50	86	1.24	1.16	1.06	0.89	0.60	0.36		0.90	0.25	0.81	1.35	1.62		
PA3 Line A	2.5	A-32	S33	C	Residential 3-4 dwellings/acre	69	50	86	1.48	1.43	1.37	1.26	1.08	0.91		0.60	0.25	0.45	0.75	0.90		
PA3 Line A	0.8	A-32	S33	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05		
PA3 Line A	1.3	A-32	S33	D	Residential 2.5 acre lots	75	57	91	0.66	0.62	0.58	0.50	0.36	0.23		0.90	0.20	0.35	0.59	0.70		
PA3 Line A	3.3	A-32	S33	D	Residential 3-4 dwellings/acre	75	57	91	2.15	2.09	2.01	1.86	1.59	1.32		0.60	0.20	0.59	0.99	1.19		
PA3 Line A	1.5	OA-4	S33	C	Open Brush, Fair	77	59	92	0.74	0.69	0.64	0.16	0.05	0.00		1.00	0.25	0.45	0.75	0.90		
PA3 Line A	0.4	OA-4	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24		
PA3 Line A	4.9	OA-5	S33	C	Open Brush, Fair	77	59	92	2.40	2.27	2.08	0.53	0.17	0.00		1.00	0.25	1.47	2.45	2.94		
PA3 Line A	2.4	OA-5	S33	C	Woodland, Grass, Fair	77	59	92	1.18	1.11	1.02	0.26	0.08	0.00		1.00	0.25	0.72	1.20	1.44		
PA3 Line A	5.1	OA-6	S33	C	Open Brush, Fair	77	59	92	2.50	2.36	2.17	0.55	0.18	0.00								

RANCHO MISSION VIEJO - GOBERNADORA

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13010 to 13308 (Node 1332)

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	100										
							AMC			P ₂₄ (Inches)													
							II	I	III	AMC I/AMCII						5.63							
PA3 Line A	1.8	OA-8	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.02	0.97	0.91	0.30	0.13	0.02		1.00	0.20	0.54	0.90	1.08			
PA3 Line A	1.5	OA-8	S33	D	Open Brush, Fair	83	67	96	0.91	0.87	0.82	0.30	0.15	0.04		1.00	0.20	0.45	0.75	0.90			
PA3 Line A	1.9	OA-9	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.86	0.81	0.74	0.16	0.04	0.00		1.00	0.25	0.57	0.95	1.14			
PA3 Line A	0.4	OA-9	S33	C	Chaparral, Narrowleaf, Fair	81	64	95	0.23	0.22	0.20	0.07	0.03	0.01		1.00	0.25	0.12	0.20	0.24			
PA3 Line A	1.3	OA-9	S33	C	Open Brush, Fair	77	59	92	0.64	0.60	0.55	0.14	0.05	0.00		1.00	0.25	0.39	0.65	0.78			
PA3 Line A	4.5	OA-9	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.55	2.43	2.27	0.74	0.33	0.06		1.00	0.20	1.35	2.25	2.70			
PA3 Line A	1.3	OA-9	S33	D	Chaparral, Narrowleaf, Fair	86	72	97	0.87	0.84	0.80	0.35	0.20	0.08		1.00	0.20	0.39	0.65	0.78			
PA3 Line A	3.7	OA-9	S33	D	Open Brush, Fair	83	67	96	2.24	2.15	2.02	0.74	0.38	0.10		1.00	0.20	1.11	1.85	2.22			
PA3 Line A	1.6	A-33	S33	B	Fallow	86	72	97	1.07	1.03	0.98	0.43	0.25	0.10		1.00	0.30	0.48	0.80	0.96			
PA3 Line A	1.3	A-33	S33	B	Open Brush, Fair	66	46	84	0.40	0.37	0.32	0.02	0.00	0.00		1.00	0.30	0.39	0.65	0.78			
PA3 Line A	2.6	A-33	S33	B	Residential 2.5 acre lots	56	36	76	0.66	0.60	0.53	0.42	0.27	0.22		0.90	0.30	0.70	1.17	1.40			
PA3 Line A	1.9	A-33	S33	B	Woodland, Grass, Fair	65	45	83	0.56	0.51	0.44	0.02	0.00	0.00		1.00	0.30	0.57	0.95	1.14			
PA3 Line A	0.7	A-33	S33	C	Fallow	91	80	98	0.54	0.53	0.52	0.29	0.21	0.12		1.00	0.25	0.21	0.35	0.42			
PA3 Line A	0.8	A-33	S33	C	Open Brush, Fair	77	59	92	0.39	0.37	0.34	0.09	0.03	0.00		1.00	0.25	0.24	0.40	0.48			
PA3 Line A	0.1	A-33	S33	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02		0.85	0.25	0.03	0.04	0.05			
PA3 Line A	1.5	A-33	S33	C	Residential 2.5 acre lots	69	50	86	0.62	0.58	0.53	0.44	0.30	0.18		0.90	0.25	0.41	0.68	0.81			
PA3 Line A	0.4	A-33	S33	C	Woodland, Grass, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24			
PA3 Line A	0.1	A-33	S33	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06			
PA3 Line A	0.3	A-33	S33	D	Residential 2.5 acre lots	75	57	91	0.15	0.14	0.13	0.12	0.08	0.05		0.90	0.20	0.08	0.14	0.16			
	6245.2					Low Loss Fraction (1-Y) =											F _m =	0.239	0.399	0.479	0.000		

RANCHO MISSION VIEJO
PA-3 (Existing Condition Gobernadora Local Hydrology Node 13305)
Unit Hydrograph Method Loss Rate Parameter Development - Watershed 13305

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	100												
						AMC			P ₂₄ (Inches)															
						II	I	III	AMC I/AMCII											5.63				
	0.1	HZ-206	S33	A	Barren	78	61	93	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.40	0.03	0.05	0.06				
	2.6	HZ-206	S33	A	Open Brush, Fair	46	28	66	0.19	0.15	0.10	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56				
	3.1	HZ-206	S33	A	Row Crops, Poor	72	53	89	1.25	1.16	1.04	0.17	0.02	0.00		1.00	0.40	0.93	1.55	1.86				
	0.4	HZ-206	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24				
	0.2	HZ-206	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	13.8	HZ-206	S33	B	Open Brush, Fair	66	46	84	4.27	3.88	3.37	0.18	0.00	0.00		1.00	0.30	4.14	6.90	8.28				
	34.6	HZ-206	S33	B	Row Crops, Poor	81	64	95	19.57	18.67	17.44	5.67	2.57	0.46		1.00	0.30	10.38	17.30	20.76				
	2.4	HZ-206	S33	B	Woodland, Grass, Fair	65	45	83	0.71	0.64	0.55	0.02	0.00	0.00		1.00	0.30	0.72	1.20	1.44				
	22.6	HZ-206	S33	C	Open Brush, Fair	77	59	92	11.09	10.46	9.61	2.43	0.80	0.01		1.00	0.25	6.78	11.30	13.56				
	11.6	HZ-206	S33	C	Row Crops, Poor	88	75	98	8.23	8.00	7.67	3.71	2.38	1.14		1.00	0.25	3.48	5.80	6.96				
	0.4	HZ-206	S33	D	Apartments	75	57	91	0.34	0.34	0.33	0.32	0.30	0.28		0.20	0.20	0.02	0.04	0.05				
	4.8	HZ-206	S33	D	Chaparral, Broadleaf, Fair	81	64	95	2.71	2.59	2.42	0.79	0.36	0.06		1.00	0.20	1.44	2.40	2.88				
	1.6	HZ-206	S33	D	Grass, Annual or Perennial, Fair	84	69	96	1.00	0.96	0.91	0.35	0.19	0.06		1.00	0.20	0.48	0.80	0.96				
	46.4	HZ-206	S33	D	Open Brush, Fair	83	67	96	28.07	26.92	25.36	9.31	4.75	1.30		1.00	0.20	13.92	23.20	27.84				
	0.1	HZ-206	S33	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01				
	60.7	HZ-206	S33	D	Row Crops, Poor	91	80	98	47.16	46.15	44.73	25.24	17.99	10.61		1.00	0.20	18.21	30.35	36.42				
	5.8	HZ-206	S33	D	Woodland, Grass, Fair	82	66	95	3.39	3.25	3.05	1.06	0.51	0.12		1.00	0.20	1.74	2.90	3.48				
	0.2	HZ-207	S33	A	Barren	78	61	93	0.10	0.10	0.09	0.02	0.01	0.00		1.00	0.40	0.06	0.10	0.12				
	0.4	HZ-207	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.12	0.20	0.24				
	0.8	HZ-207	S33	B	Barren	86	72	97	0.53	0.52	0.49	0.21	0.13	0.05		1.00	0.30	0.24	0.40	0.48				
	1.4	HZ-207	S33	B	Commercial, Industrial	56	36	76	1.22	1.21	1.20	1.17	1.13	1.07		0.10	0.30	0.04	0.07	0.08				
	2.6	HZ-207	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.92	0.85	0.75	0.08	0.00	0.00		1.00	0.30	0.78	1.30	1.56				
	2.2	HZ-207	S33	B	Open Brush, Fair	66	46	84	0.68	0.62	0.54	0.03	0.00	0.00		1.00	0.30	0.66	1.10	1.32				
	3.1	HZ-207	S33	B	Row Crops, Poor	81	64	95	1.75	1.67	1.56	0.51	0.23	0.04		1.00	0.30	0.93	1.55	1.86				
	3.4	HZ-207	S33	B	Woodland, Grass, Fair	65	45	83	1.00	0.91	0.78	0.03	0.00	0.00		1.00	0.30	1.02	1.70	2.04				
	0.5	HZ-207	S33	D	Barren	93	83	99	0.41	0.40	0.40	0.25	0.19	0.12		1.00	0.20	0.15	0.25	0.30				
	0.2	HZ-207	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.11	0.11	0.10	0.03	0.01	0.00		1.00	0.20	0.06	0.10	0.12				
	3.6	HZ-207	S33	D	Commercial, Industrial	75	57	91	3.23	3.21	3.17	3.11	2.97	2.78		0.10	0.20	0.11	0.18	0.22				
	4	HZ-207	S33	D	Grass, Annual or Perennial, Fair	84	69	96	2.50	2.40	2.27	0.88	0.47	0.15		1.00	0.20	1.20	2.00	2.40				
	14.6	HZ-207	S33	D	Open Brush, Fair	83	67	96	8.83	8.47	7.98	2.93	1.50	0.41		1.00	0.20	4.38	7.30	8.76				
	6.3	HZ-207	S33	D	Row Crops, Poor	91	80	98	4.89	4.79	4.64	2.62	1.87	1.10		1.00	0.20	1.89	3.15	3.78				
	3.7	HZ-207	S33	D	Woodland, Grass, Fair	82	66	95	2.17	2.07	1.94	0.67	0.32	0.07		1.00	0.20	1.11	1.85	2.22				
	0.3	HZ-31100	S33	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18				
	0.5	HZ-31100	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30				
	0.3	HZ-31100	S33	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18				
	0.1	HZ-31101	S33	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06				
	0.5	HZ-31101	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.20	0.15	0.25	0.30				
	0.7	HZ-31101	S33	D	Open Brush, Fair	83	67	96	0.42	0.41	0.38	0.14	0.07	0.02		1.00	0.20	0.21	0.35	0.42				
	0.1	HZ-31102	S33	C	Open Brush, Fair	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06				
	0.3	HZ-31102	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.17	0.16	0.15	0.05	0.02	0.00		1.00	0.20	0.09	0.15	0.18				
	1.9	HZ-31102	S33	D	Open Brush, Fair	83	67	96	1.15	1.10	1.04	0.38	0.19	0.05		1.00	0.20	0.57	0.95	1.14				
	1.1	HZ-31103	S33	C	Open Brush, Fair	77	59	92	0.54	0.51	0.47	0.12	0.04	0.00		1.00	0.25	0.33	0.55	0.66				
	2.5	HZ-31103	S33	D	Open Brush, Fair	83	67	96	1.51	1.45	1.37	0.50	0.26	0.07		1.00	0.20	0.75	1.25	1.50				
	0.7	HZ-31104	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.32	0.30	0.27	0.06	0.02	0.00		1.00	0.25	0.21	0.35	0.42				
	3	HZ-31104	S33	C	Open Brush, Fair	77	59	92	1.47	1.39	1.28	0.32	0.11	0.00		1.00	0.25	0.90	1.50	1.80				
	0.6	HZ-31104	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36				
	2.1	HZ-31104	S33	D	Open Brush, Fair	83	67	96	1.27	1.22	1.15	0.42	0.22	0.06		1.00	0.20	0.63	1.05	1.26				
	0.6	HZ-31105	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.16	0.14	0.12	0.00	0.00	0.00		1.00	0.30	0.18	0.30	0.36				
	0.1	HZ-31105	S33	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	2.8	HZ-31105	S33	C	Chaparral, Broadleaf, Fair	75	57	91	1.27	1.19	1.09	0.24	0.06	0.00		1.00	0.25	0.84	1.40	1.68				
	2.6	HZ-31105	S33	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00		1.00	0.25	0.78	1.30	1.56				
	0.6	HZ-31105	S33	D	Chaparral, Broadleaf, Fair	81	64	95	0.34	0.32	0.30	0.10	0.04	0.01		1.00	0.20	0.18	0.30	0.36				
	4.1	HZ-31105	S33	D	Open Brush, Fair	83	67	96	2.48	2.38	2.24	0.82	0.42	0.11		1.00	0.20	1.23	2.05	2.46				
	0.8	HZ-31106	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.21	0.19	0.16	0.00	0.00	0.00		1.00	0.30	0.24	0.40	0.48				
	1.5	HZ-31106	S33	B	Open Brush, Fair	66	46	84	0.46	0.42	0.37	0.02	0.00	0.00		1.00	0.30	0.45	0.75	0.90				
	1.9	HZ-31106	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.86	0.81	0.74	0.16	0.04	0.00		1.00	0.25	0.57	0.95	1.14				
	8.2	HZ-31106	S33	C	Open Brush, Fair	77	59	92	4.02	3.79	3.49	0.88	0.29	0.00		1.00	0.25	2.46	4.10	4.92				
	2.7	HZ-31106	S33	D	Open Brush, Fair	83	67	96	1.63	1.57	1.48	0.54	0.28	0.08		1.00	0.20	0.81	1.35	1.62				
	0.5	HZ-31107	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.13	0.12	0.10	0.00	0.00	0.00		1.00	0.30	0.15	0.25	0.30				
	1.1	HZ-31107	S33	B	Open Brush, Fair	66	46	84	0.34	0.31	0.27	0.01	0.00	0.00		1.00	0.30	0.33	0.55	0.66				
	6.5	HZ-31107	S33	C	Chaparral, Broadleaf, Fair	75	57	91	2.96	2.77	2.53	0.55	0.14	0.00		1.00	0.25	1.95	3.25	3.90				
	5.5	HZ-31107	S33	C	Open Brush, Fair	77	59	92	2.70	2.54	2.34	0.59	0.19	0.00		1.00	0.25	1.65	2.75	3.30				

RANCHO MISSION VIEJO
PA-3 (Existing Condition Gobernadora Local Hydrology Node 13305)
Unit Hydrograph Method Loss Rate Parameter Development - Watershed 13305

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	100										
						AMC			P ₂₄ (Inches)												Storm Event (Year)				
						II	I	III																	
	11.4	HZ-31108	S33	C	Open Brush, Fair	77	59	92	5.59	5.27	4.85	1.22	0.40	0.01		1.00	0.25	3.42	5.70	6.84					
	8.9	HZ-31108	S33	C	Woodland, Grass, Fair	77	59	92	4.37	4.12	3.79	0.96	0.31	0.00		1.00	0.25	2.67	4.45	5.34					
	1.9	HZ-31108	S33	D	Chaparral, Broadleaf, Fair	81	64	95	1.07	1.03	0.96	0.31	0.14	0.03		1.00	0.20	0.57	0.95	1.14					
	9.2	HZ-31108	S33	D	Open Brush, Fair	83	67	96	5.57	5.34	5.03	1.85	0.94	0.26		1.00	0.20	2.76	4.60	5.52					
	1.4	HZ-31108	S33	D	Woodland, Grass, Fair	82	66	95	0.82	0.78	0.74	0.25	0.12	0.03		1.00	0.20	0.42	0.70	0.84					
	0.8	HZ-31109	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.28	0.26	0.23	0.02	0.00	0.00		1.00	0.30	0.24	0.40	0.48					
	0.6	HZ-31109	S33	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36					
	0.1	HZ-31109	S33	B	Residential 2.5 acre lots	56	36	76	0.03	0.02	0.02	0.02	0.01	0.01		0.90	0.30	0.03	0.05	0.05					
	1.3	HZ-31109	S33	B	Row Crops, Poor	81	64	95	0.74	0.70	0.66	0.21	0.10	0.02		1.00	0.30	0.39	0.65	0.78					
	4	HZ-31109	S33	B	Woodland, Grass, Fair	65	45	83	1.18	1.07	0.92	0.04	0.00	0.00		1.00	0.30	1.20	2.00	2.40					
	1.5	HZ-31109	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.68	0.64	0.58	0.13	0.03	0.00		1.00	0.25	0.45	0.75	0.90					
	0.3	HZ-31109	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.16	0.15	0.14	0.04	0.02	0.00		1.00	0.25	0.09	0.15	0.18					
	9.6	HZ-31109	S33	C	Open Brush, Fair	77	59	92	4.71	4.44	4.08	1.03	0.34	0.01		1.00	0.25	2.88	4.80	5.76					
	0.4	HZ-31109	S33	C	Residential 2.5 acre lots	69	50	86	0.17	0.16	0.14	0.12	0.08	0.05		0.90	0.25	0.11	0.18	0.22					
	6.2	HZ-31109	S33	C	Row Crops, Poor	88	75	98	4.40	4.27	4.10	1.98	1.27	0.61		1.00	0.25	1.86	3.10	3.72					
	3.9	HZ-31109	S33	C	Woodland, Grass, Fair	77	59	92	1.91	1.80	1.66	0.42	0.14	0.00		1.00	0.25	1.17	1.95	2.34					
	1.4	HZ-31109	S33	D	Row Crops, Poor	91	80	98	1.09	1.06	1.03	0.58	0.41	0.24		1.00	0.20	0.42	0.70	0.84					
	4.9	HZ-31110	S33	A	Barren	78	61	93	2.49	2.36	2.18	0.59	0.21	0.01		1.00	0.40	1.47	2.45	2.94					
	1.5	HZ-31110	S33	A	Row Crops, Poor	72	53	89	0.61	0.56	0.51	0.08	0.01	0.00		1.00	0.40	0.45	0.75	0.90					
	0.6	HZ-31110	S33	B	Residential 2.5 acre lots	56	36	76	0.15	0.14	0.12	0.10	0.06	0.05		0.90	0.30	0.16	0.27	0.32					
	2.5	HZ-31110	S33	B	Row Crops, Poor	81	64	95	1.41	1.35	1.26	0.41	0.19	0.03		1.00	0.30	0.75	1.25	1.50					
	5.3	HZ-31110	S33	C	Row Crops, Poor	88	75	98	3.76	3.65	3.50	1.70	1.09	0.52		1.00	0.25	1.59	2.65	3.18					
	3.3	HZ-31110	S33	D	Row Crops, Poor	91	80	98	2.56	2.51	2.43	1.37	0.98	0.58		1.00	0.20	0.99	1.65	1.98					
	1.3	HZ-31111	S33	A	Barren	78	61	93	0.66	0.63	0.58	0.16	0.06	0.00		1.00	0.40	0.39	0.65	0.78					
	0.2	HZ-31111	S33	A	Commercial, Industrial	32	17	52	0.17	0.17	0.17	0.17	0.16	0.15		0.10	0.40	0.01	0.01	0.01					
	5.3	HZ-31111	S33	A	Row Crops, Poor	72	53	89	2.14	1.99	1.79	0.29	0.04	0.00		1.00	0.40	1.59	2.65	3.18					
	0.3	HZ-31111	S33	A	Woodland, Grass, Fair	44	26	64	0.02	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.09	0.15	0.18					
	0.2	HZ-31111	S33	B	Chaparral, Broadleaf, Fair	63	43	81	0.05	0.05	0.04	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12					
	0.6	HZ-31111	S33	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36					
	4.3	HZ-31111	S33	B	Row Crops, Poor	81	64	95	2.43	2.32	2.17	0.71	0.32	0.06		1.00	0.30	1.29	2.15	2.58					
	0.8	HZ-31111	S33	B	Woodland, Grass, Fair	65	45	83	0.24	0.21	0.18	0.01	0.00	0.00		1.00	0.30	0.24	0.40	0.48					
	1.1	HZ-31111	S33	C	Chaparral, Broadleaf, Fair	75	57	91	0.50	0.47	0.43	0.09	0.02	0.00		1.00	0.25	0.33	0.55	0.66					
	6.9	HZ-31111	S33	C	Open Brush, Fair	77	59	92	3.38	3.19	2.94	0.74	0.24	0.00		1.00	0.25	2.07	3.45	4.14					
	7.9	HZ-31111	S33	C	Row Crops, Poor	88	75	98	5.61	5.45	5.22	2.53	1.62	0.78		1.00	0.25	2.37	3.95	4.74					
	1	HZ-31111	S33	C	Woodland, Grass, Fair	77	59	92	0.49	0.46	0.43	0.11	0.04	0.00		1.00	0.25	0.30	0.50	0.60					
	0.4	HZ-31111	S33	D	Open Brush, Fair	83	67	96	0.24	0.23	0.22	0.08	0.04	0.01		1.00	0.20	0.12	0.20	0.24					
	14.6	HZ-31111	S33	D	Row Crops, Poor	91	80	98	11.34	11.10	10.76	6.07	4.33	2.55		1.00	0.20	4.38	7.30	8.76					
	13.8	HZ-31112	S33	A	Barren	78	61	93	7.02	6.64	6.13	1.66	0.60	0.03		1.00	0.40	1.44	6.90	8.28					
	2.6	HZ-31112	S33	B	Barren	86	72	97	1.73	1.68	1.60	0.69	0.41	0.16		1.00	0.30	0.78	1.30	1.56					
	1.1	HZ-31112	S33	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84		0.10	0.30	0.03	0.06	0.07					
	3.5	HZ-31112	S33	B	Residential 2.5 acre lots	56	36	76	0.89	0.81	0.71	0.56	0.37	0.30		0.90	0.30	0.95	1.58	1.89					
	6.9	HZ-31112	S33	B	Row Crops, Poor	81	64	95	3.90	3.72	3.48	1.13	0.51	0.09		1.00	0.30	2.07	3.45	4.14					
	0.2	HZ-31112	S33	C	Barren	91	80	98	0.16	0.15	0.15	0.08	0.06	0.03		1.00	0.25	0.06	0.10	0.12					
	0.1	HZ-31112	S33	C	Row Crops, Poor	88	75	98	0.07	0.07	0.07	0.03	0.02	0.01		1.00	0.25	0.03	0.05	0.06					
	0.1	HZ-31112	S33	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01					
	2.4	HZ-31112	S33	D	Residential 2.5 acre lots	75	57	91	1.21	1.15	1.06	0.92	0.66	0.42		0.90	0.20	0.65	1.08	1.30					
	0.5	HZ-31112	S33	D	Row Crops, Poor	91	80	98	0.39	0.38	0.37	0.21	0.15	0.09		1.00	0.20	0.15	0.25	0.30					
	0.5	HZ-31113	S33	A	Barren	78	61	93	0.25	0.24	0.22	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.30					
	0.3	HZ-31113	S33	A	Commercial, Industrial	32	17	52	0.26	0.25	0.25	0.25	0.24	0.23		0.10	0.40	0.01	0.02	0.02					
	0.2	HZ-31113	S33	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.40	0.06	0.10	0.12					
	0.8	HZ-31113	S33	A	Residential 2.5 acre lots	32	17	52	0.08	0.08	0.08	0.07	0.07	0.07		0.90	0.40	0.22	0.36	0.43					
	1.6	HZ-31113	S33	A	Row Crops, Poor	72	53	89	0.65	0.60	0.54	0.09	0.01	0.00		1.00	0.40	0.48	0.80	0.96					
	31.9	HZ-31113	S33	B	Barren	86	72	97	21.27	20.56	19.58	8.49	5.00	2.01		1.00	0.30	9.57	15.95	19.14					
	1.7	HZ-31113	S33	B	Commercial, Industrial	56	36	76	1.48	1.47	1.45	1.43	1.37	1.30		0.10	0.30	0.05	0.09	0.10					
	0.3	HZ-31113	S33	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.00	0.00	0.00		1.00	0.30	0.09	0.15	0.18					
	2.6	HZ-31113	S33	B	Residential 2.5 acre lots	56	36	76	0.66	0.60	0.53	0.42	0.27	0.22		0.90	0.30	0.70	1.17	1.40					
	5.5	HZ-31113	S33	B	Row Crops, Poor	81	64	95	3.11	2.97	2.77	0.90	0.41	0.07		1.00	0.30	1.65	2.75	3.30					
	0.2	HZ-31113	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12					
	0.2	HZ-31113	S33	C	Open Brush, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12					
	1.3	HZ-31113	S33	C	Residential 2.5 acre lots	69	50	86	0.54	0.50	0.46	0.38	0.26	0.16		0.90	0.25	0.35	0.59	0.70					
	0.3	HZ-31113	S33	D	Barren	93	83	99	0.25	0.24	0.24	0.15	0.11	0.07		1.00	0.20	0.09	0.15	0.18					
	0.2	HZ-31113	S33	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15		0.10	0.20	0.01	0.01	0.01					
	0.3	HZ-31113	S33	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18					
	6.5	HZ-31113	S33	D	Residential 2.5 acre lots	75	57	91	3.28	3.11	2.88	2.49	1.80	1.14		0.90	0.20	1.76	2.93	3.51					
	3	HZ-31113	S33	D	Row Crops, Poor	91	80	98	2.33	2.28	2.21	1.25	0.89	0.52		1.00	0.20	0.90	1.50	1.80					
	7.8	HZ-31114	S33	A																					

RANCHO MISSION VIEJO
PA-3 (Existing Condition Gobernadora Local Hydrology Node 13305)
Unit Hydrograph Method Loss Rate Parameter Development - Watershed 13305

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	100										
								AMC			P ₂₄ (Inches)													
								II	I	III											5.63			
	2.6	HZ-31114	S33	B	Row Crops, Poor	81	64	95	1.47	1.40	1.31	0.43	0.19	0.03		1.00	0.30	0.78	1.30	1.56				
	0.2	HZ-31114	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	0.3	HZ-31114	S33	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18				
	0.2	HZ-31114	S33	C	Residential 2.5 acre lots	69	50	86	0.08	0.08	0.07	0.06	0.04	0.02		0.90	0.25	0.05	0.09	0.11				
	2.7	HZ-31114	S33	C	Row Crops, Poor	88	75	98	1.92	1.86	1.79	0.86	0.55	0.27		1.00	0.25	0.81	1.35	1.62				
	18.4	HZ-31115	S33	A	Barren	78	61	93	9.36	8.86	8.18	2.21	0.80	0.04		1.00	0.40	5.52	9.20	11.04				
	1.2	HZ-31115	S33	A	Meadows or Cienegas, Fair	51	32	71	0.14	0.12	0.09	0.00	0.00	0.00		1.00	0.40	0.36	0.60	0.72				
	0.1	HZ-31115	S33	A	Woodland, Grass, Fair	44	26	64	0.01	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06				
	26.6	HZ-31115	S33	B	Barren	86	72	97	17.74	17.14	16.32	7.08	4.17	1.67		1.00	0.30	7.98	13.30	15.96				
	3.9	HZ-31115	S33	B	Commercial, Industrial	56	36	76	3.39	3.37	3.33	3.27	3.14	2.98		0.10	0.30	0.12	0.20	0.23				
	3	HZ-31115	S33	B	Fallow	86	72	97	2.00	1.93	1.84	0.80	0.47	0.19		1.00	0.30	0.90	1.50	1.80				
	0.5	HZ-31115	S33	B	Open Brush, Fair	66	46	84	0.15	0.14	0.12	0.01	0.00	0.00		1.00	0.30	0.15	0.25	0.30				
	8.2	HZ-31115	S33	B	Residential 2.5 acre lots	56	36	76	2.08	1.89	1.66	1.31	0.86	0.70		0.90	0.30	2.21	3.69	4.43				
	1.1	HZ-31115	S33	B	Row Crops, Poor	81	64	95	0.62	0.59	0.55	0.18	0.08	0.01		1.00	0.30	0.33	0.55	0.66				
	0.2	HZ-31115	S33	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12				
	14	HZ-31115	S33	C	Barren	91	80	98	10.88	10.64	10.32	5.82	4.15	2.45		1.00	0.25	4.20	7.00	8.40				
	4.3	HZ-31115	S33	C	Commercial, Industrial	69	50	86	3.82	3.79	3.75	3.67	3.51	3.30		0.10	0.25	0.13	0.22	0.26				
	5.3	HZ-31115	S33	C	Fallow	91	80	98	4.12	4.03	3.91	2.20	1.57	0.93		1.00	0.25	1.59	2.65	3.18				
	2.7	HZ-31115	S33	C	Grass, Annual or Perennial, Fair	79	62	93	1.42	1.35	1.25	0.36	0.14	0.01		1.00	0.25	0.81	1.35	1.62				
	3.2	HZ-31115	S33	C	Meadows or Cienegas, Fair	80	63	94	1.75	1.66	1.55	0.47	0.20	0.03		1.00	0.25	0.96	1.60	1.92				
	6.1	HZ-31115	S33	C	Open Brush, Fair	77	59	92	2.99	2.82	2.60	0.66	0.22	0.00		1.00	0.25	1.83	3.05	3.66				
	7.5	HZ-31115	S33	C	Residential 2.5 acre lots	69	50	86	3.11	2.91	2.65	2.22	1.50	0.91		0.90	0.25	2.03	3.38	4.05				
	5.4	HZ-31115	S33	C	Row Crops, Poor	88	75	98	3.83	3.72	3.57	1.73	1.11	0.53		1.00	0.25	1.62	2.70	3.24				
	1.6	HZ-31115	S33	C	Woodland, Grass, Fair	77	59	92	0.78	0.74	0.68	0.17	0.06	0.00		1.00	0.25	0.48	0.80	0.96				
	1.9	HZ-31115	S33	D	Barren	93	83	99	1.56	1.54	1.50	0.94	0.72	0.47		1.00	0.20	0.57	0.95	1.14				
	2	HZ-31115	S33	D	Commercial, Industrial	75	57	91	1.80	1.78	1.76	1.73	1.65	1.55		0.10	0.20	0.06	0.10	0.12				
	3.7	HZ-31115	S33	D	Fallow	94	85	99	3.14	3.09	3.03	1.99	1.56	1.08		1.00	0.20	1.11	1.85	2.22				
	2.1	HZ-31115	S33	D	Open Brush, Fair	83	67	96	1.27	1.22	1.15	0.42	0.22	0.06		1.00	0.20	0.63	1.05	1.26				
	2.6	HZ-31115	S33	D	Residential 2.5 acre lots	75	57	91	1.31	1.24	1.15	1.00	0.72	0.46		0.90	0.20	0.70	1.17	1.40				
	0.2	HZ-31115	S33	D	Row Crops, Poor	91	80	98	0.16	0.15	0.15	0.08	0.06	0.03		1.00	0.20	0.06	0.10	0.12				
	0.1	HZ-31115	S33	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06				
	0.5	S33-01	S33	A	Barren	78	61	93	0.25	0.24	0.22	0.06	0.02	0.00		1.00	0.40	0.15	0.25	0.30				
	22.6	S33-01	S33	A	Commercial, Industrial	32	17	52	19.27	19.18	19.06	18.78	18.17	17.25		0.10	0.40	0.68	1.13	1.36				
	4.7	S33-01	S33	A	Row Crops, Poor	72	53	89	1.90	1.76	1.58	0.26	0.03	0.00		1.00	0.40	1.41	2.35	2.82				
	2.9	S33-01	S33	A	Woodland, Grass, Fair	44	26	64	0.17	0.12	0.07	0.00	0.00	0.00		1.00	0.40	0.87	1.45	1.74				
	0.2	S33-01	S33	B	Barren	86	72	97	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.30	0.06	0.10	0.12				
	7.4	S33-01	S33	B	Commercial, Industrial	56	36	76	6.44	6.39	6.33	6.21	5.96	5.65		0.10	0.30	0.22	0.37	0.44				
	1	S33-01	S33	B	Row Crops, Poor	81	64	95	0.57	0.54	0.50	0.16	0.07	0.01		1.00	0.30	0.30	0.50	0.60				
	1.4	S33-01	S33	C	Commercial, Industrial	69	50	86	1.24	1.23	1.22	1.20	1.14	1.07		0.10	0.25	0.04	0.07	0.08				
	15.6	S33-01	S33	C	Open Brush, Fair	77	59	92	7.65	7.22	6.64	1.68	0.55	0.01		1.00	0.25	4.68	7.80	9.36				
	0.1	S33-01	S33	C	Residential 3-4 dwellings/acre	69	50	86	0.06	0.06	0.05	0.05	0.04	0.04		0.60	0.25	0.02	0.03	0.04				
	5.3	S33-01	S33	C	Row Crops, Poor	88	75	98	3.76	3.65	3.50	1.70	1.09	0.52		1.00	0.25	1.59	2.65	3.18				
	1.2	S33-02	S33	A	Barren	78	61	93	0.61	0.58	0.53	0.14	0.05	0.00		1.00	0.40	0.36	0.60	0.72				
	0.6	S33-02	S33	A	Row Crops, Poor	72	53	89	0.24	0.22	0.20	0.03	0.00	0.00		1.00	0.40	0.18	0.30	0.36				
	0.9	S33-02	S33	C	Barren	91	80	98	0.70	0.68	0.66	0.37	0.27	0.16		1.00	0.25	0.27	0.45	0.54				
	4.8	S33-02	S33	C	Open Brush, Fair	77	59	92	2.35	2.22	2.04	0.52	0.17	0.00		1.00	0.25	1.44	2.40	2.88				
	1.9	S33-02	S33	C	Row Crops, Poor	88	75	98	1.35	1.31	1.26	0.61	0.39	0.19		1.00	0.25	0.57	0.95	1.14				
	0.2	S33-05.5	S33	B	Barren	86	72	97	0.13	0.13	0.12	0.05	0.03	0.01		1.00	0.30	0.06	0.10	0.12				
	0.5	S33-05.5	S33	B	Row Crops, Poor	81	64	95	0.28	0.27	0.25	0.08	0.04	0.01		1.00	0.30	0.15	0.25	0.30				
	1.1	S33-05.5	S33	B	Woodland, Grass, Fair	65	45	83	0.32	0.29	0.25	0.01	0.00	0.00		1.00	0.30	0.33	0.55	0.66				
	0.3	S33-05.5	S33	C	Barren	91	80	98	0.23	0.23	0.22	0.12	0.09	0.05		1.00	0.25	0.09	0.15	0.18				
	1.1	S33-05.5	S33	C	Grass, Annual or Perennial, Fair	79	62	93	0.58	0.55	0.51	0.15	0.06	0.00		1.00	0.25	0.33	0.55	0.66				
	3.5	S33-05.5	S33	C	Open Brush, Fair	77	59	92	1.72	1.62	1.49	0.38	0.12	0.00		1.00	0.25	1.05	1.75	2.10				
	1.4	S33-05.5	S33	C	Row Crops, Poor	88	75	98	0.99	0.97	0.93	0.45	0.29	0.14		1.00	0.25	0.42	0.70	0.84				
	4.8	S33-05.5	S33	D	Open Brush, Fair	83	67	96	2.90	2.79	2.62	0.96	0.49	0.13		1.00	0.20	1.44	2.40	2.88				
	0.9	S33-05.5	S33	D	Row Crops, Poor	91	80	98	0.70	0.68	0.66	0.37	0.27	0.16		1.00	0.20	0.27	0.45	0.54				
	1.7	S33-05.6	S33	B	Barren	86	72	97	1.13	1.10	1.04	0.45	0.27	0.11		1.00	0.30	0.51	0.85	1.02				
	0.6	S33-05.6	S33	B	Grass, Annual or Perennial, Fair	69	50	86	0.21	0.20	0.17	0.02	0.00	0.00		1.00	0.30	0.18	0.30	0.36				
	0.1	S33-05.6	S33	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.4	S33-05.6	S33	B	Woodland, Grass, Fair	65	45	83	0.12	0.11	0.09	0.00	0.00	0.00		1.00	0.30	0.12	0.20	0.24				
	2.2	S33-05.6	S33	C	Barren	91	80	98	1.71	1.67	1.62	0.91	0.65	0.38		1.00	0.25	0.66	1.10	1.32				
	4.2	S33-05.6	S33	C	Grass, Annual or Perennial, Fair	79	62	93	2.22	2.10	1.95	0.56	0.22	0.02		1.00	0.25	1.26	2.10	2.52				
	8.1	S33-05.6	S33	C	Open Brush, Fair	77																		

RANCHO MISSION VIEJO PA-3&4 (Ultimate Conditions) Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																											
Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area								A _b	F _p	Maximum Loss Rate (F _m) x Area									
								Storm Event (Year)										Storm Event (Year)									
								EV										EV									
								100	50	25	10	5	2	100	50			25	100								
								P ₂₄ (Inches)										P ₂₄ (Inches)									
AMC								AMC 1/AMCII								AMC 1/AMCII											
II								I								III								All			
	0.80	B1	S34	D	Commercial, Industrial	75	57	91	0.72	0.71	0.71	0.69	0.66	0.62		0.10	0.20	0.02	0.04	0.05							
	1.00	B10	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.70	0.68	0.66	0.62	0.55	0.47		0.50	0.20	0.15	0.25	0.30							
	0.10	B10	S34	D	Commercial, Industrial	75	57	91	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.20	0.00	0.01	0.01							
	0.10	B10	S34	D	Condominiums	75	57	91	0.08	0.08	0.07	0.07	0.07	0.06		0.35	0.20	0.01	0.02	0.02							
	0.50	B11	S34	C	Residential 10+ dwellings/acre	69	50	86	0.41	0.41	0.40	0.39	0.37	0.34		0.20	0.25	0.03	0.05	0.06							
	0.20	B11	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.13	0.13	0.12	0.11	0.10	0.09		0.50	0.25	0.03	0.05	0.06							
	0.30	B11	S34	C	Commercial, Industrial	69	50	86	0.27	0.26	0.26	0.26	0.24	0.23		0.10	0.25	0.01	0.02	0.02							
	3.30	B11	S34	C	Condominiums	69	50	86	2.44	2.40	2.34	2.24	2.06	1.87		0.35	0.25	0.35	0.58	0.69							
	0.20	B11	S34	D	Residential 10+ dwellings/acre	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14		0.20	0.20	0.01	0.02	0.02							
	0.40	B11	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.28	0.27	0.27	0.25	0.22	0.19		0.50	0.20	0.06	0.10	0.12							
	3.40	B11	S34	D	Commercial, Industrial	75	57	91	3.05	3.03	3.00	2.94	2.80	2.63		0.10	0.20	0.10	0.17	0.20							
	8.10	B11	S34	D	Condominiums	75	57	91	6.28	6.17	6.03	5.78	5.29	4.75		0.35	0.20	0.85	1.42	1.70							
	8.00	B12	S34	C	Residential 5-7 dwellings/acre	69	50	86	5.21	5.08	4.90	4.60	4.06	3.55		0.50	0.25	1.20	2.00	2.40							
	6.40	B12	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.49	4.38	4.24	3.99	3.52	3.04		0.50	0.20	0.96	1.60	1.92							
	1.20	B13	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.78	0.76	0.74	0.69	0.61	0.53		0.50	0.25	0.18	0.30	0.36							
	2.80	B13	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.96	1.92	1.86	1.75	1.54	1.33		0.50	0.20	0.42	0.70	0.84							
	0.80	B14	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.45	0.44	0.42	0.40	0.36	0.34		0.50	0.30	0.12	0.20	0.24							
	4.10	B14	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.67	2.60	2.51	2.36	2.08	1.82		0.50	0.25	0.62	1.03	1.23							
	0.70	B14	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.49	0.48	0.46	0.44	0.39	0.33		0.50	0.20	0.11	0.18	0.21							
	0.90	B15	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.51	0.49	0.48	0.45	0.41	0.38		0.50	0.30	0.14	0.23	0.27							
	4.10	B15	S34	C	Residential 5-7 dwellings/acre	69	50	86	2.67	2.60	2.51	2.36	2.08	1.82		0.50	0.25	0.62	1.03	1.23							
	2.50	B15	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.75	1.71	1.66	1.56	1.38	1.19		0.50	0.20	0.38	0.63	0.75							
	0.20	B16	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.11	0.11	0.11	0.10	0.09	0.08		0.50	0.30	0.03	0.05	0.06							
	1.00	B16	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.65	0.63	0.61	0.57	0.51	0.44		0.50	0.25	0.15	0.25	0.30							
	1.00	B16	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.70	0.68	0.66	0.62	0.55	0.47		0.50	0.20	0.15	0.25	0.30							
	3.50	B17	S34	B	Residential 5-7 dwellings/acre	56	36	76	1.97	1.92	1.85	1.75	1.59	1.48		0.50	0.30	0.53	0.88	1.05							
	6.90	B17	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.49	4.38	4.23	3.97	3.51	3.07		0.50	0.25	1.04	1.73	2.07							
	0.20	B17	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.14	0.14	0.13	0.12	0.11	0.09		0.50	0.20	0.03	0.05	0.06							
	0.30	B18	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.17	0.16	0.16	0.15	0.14	0.13		0.50	0.30	0.05	0.08	0.09							
	0.40	B18	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.30	0.29	0.29	0.27	0.25	0.22		0.40	0.20	0.05	0.08	0.10							
	0.10	B19	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.05	0.05	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03							
	0.30	B19	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.19	0.19	0.18	0.18	0.16	0.15		0.40	0.30	0.04	0.06	0.07							
	0.60	B19	S34	B	Commercial, Industrial	56	36	76	0.52	0.52	0.51	0.50	0.48	0.46		0.10	0.30	0.02	0.03	0.04							
	0.70	B19	S34	B	Open Brush, Fair	66	46	84	0.22	0.20	0.17	0.01	0.00	0.00		1.00	0.30	0.21	0.35	0.42							
	0.30	B19	S34	C	Open Brush, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00		1.00	0.25	0.09	0.15	0.18							
	0.90	B19	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.68	0.66	0.65	0.62	0.56	0.49		0.40	0.20	0.11	0.18	0.22							
	0.40	B19	S34	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31		0.10	0.20	0.01	0.02	0.02							
	0.20	B19	S34	D	Open Brush, Fair	83	67	96	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12							
	0.20	B2	S34	D	Apartments	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14		0.20	0.20	0.01	0.02	0.02							
	1.30	B2	S34	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01		0.10	0.20	0.04	0.07	0.08							
	0.30	B2	S34	D	Open Brush, Fair	83	67	96	0.18	0.17	0.16	0.06	0.03	0.01		1.00	0.20	0.09	0.15	0.18							
	4.90	B20	S34	B	Residential 5-7 dwellings/acre	56	36	76	2.75	2.68	2.59	2.45	2.23	2.08		0.50	0.30	0.74	1.23	1.47							
	3.60	B20	S34	B	Residential 8-10 dwellings/acre	56	36	76	2.30	2.25	2.20	2.10	1.95	1.83		0.40	0.30	0.43	0.72	0.86							
	18.40	B20	S34	C	Residential 5-7 dwellings/acre	69	50	86	11.99	11.68	11.27	10.58	9.35	8.17		0.50	0.25	2.76	4.60	5.52							
	4.30	B20	S34	C	Residential 8-10 dwellings/acre	69	50	86	3.06	2.99	2.91	2.77	2.52	2.26		0.40	0.25	0.52	0.86	1.03							
	0.50	B20	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.35	0.34	0.33	0.31	0.28	0.24		0.50	0.20	0.08	0.13	0.15							
	6.90	B20	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.18	5.08	4.95	4.72	4.27	3.79		0.40	0.20	0.83	1.38	1.66							
	0.40	B21	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.26	0.25	0.24	0.23	0.22	0.20		0.40	0.30	0.05	0.08	0.10							
	0.40	B21	S34	B	Commercial, Industrial	56	36	76	0.35	0.35	0.34	0.34	0.32	0.31		0.10	0.30	0.01	0.02	0.02							
	0.30	B21	S34	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.00	0.00	0.00		1.00	0.30	0.09	0.15	0.18							
	0.40	B21	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.28	0.28	0.27	0.26	0.23	0.21		0.40	0.25	0.05	0.08	0.10							
	0.40	B21	S34	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31		0.10	0.25	0.01	0.02	0.02							
	1.00	B21	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.75	0.74	0.72	0.68	0.62	0.55		0.40	0.20	0.12	0.20	0.24							
	0.90	B21	S34	D	Commercial, Industrial	75	57	91	0.81	0.80	0.79	0.78	0.74	0.70		0.10	0.20	0.03	0.05	0.05							
	0.20	B21	S34	D	Open Brush, Fair	83	67	96	0.12	0.12	0.11	0.04	0.02	0.01		1.00	0.20	0.06	0.10	0.12							
	1.10	B22	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.72	0.70	0.67	0.63	0.56	0.49		0.50	0.25	0.17	0.28	0.33							
	0.30	B22	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.18	0.16		0.40	0.25	0.04	0.06	0.07							
	0.10	B22	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08		0.10	0.25	0.00	0.01	0.01							
	0.30	B22	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.21	0.21	0.20	0.19	0.17	0.14		0.50	0.20	0.05	0.08	0.09							
	1.40	B22	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.05	1.03	1.00	0.96	0.87	0.77		0.40	0.20	0.17	0.28	0.34							
	0.10	B23	S34	D	Apartments	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07		0.20	0.20	0.01	0.01	0.01							
	0.70	B23	S34	D	Commercial, Industrial																						

RANCHO MISSION VIEJO PA-3&4 (Ultimate Conditions) Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																						
Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area								A ₀	F _p	Maximum Loss Rate (F _m) x Area				
								Storm Event (Year)										Storm Event (Year)				
								EV				HC										
								100	50	25	10	5	2	100								
								AMC		P ₂₄ (Inches)										5.63		
II	I	III	AMC 1/AMCII																			
	2.20	B27	S34	C	Residential 10+ dwellings/acre	69	50	86	1.82	1.80	1.78	1.72	1.63	1.51	0.20	0.25	0.13	0.22	0.26			
	0.10	B27	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04	0.50	0.25	0.02	0.03	0.03			
	0.30	B27	S34	C	Condominiums	69	50	86	0.22	0.22	0.21	0.20	0.19	0.17	0.35	0.25	0.03	0.05	0.06			
	6.80	B27	S34	D	Residential 10+ dwellings/acre	75	57	91	5.77	5.71	5.62	5.46	5.14	4.75	0.20	0.20	0.41	0.68	0.82			
	0.10	B27	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05	0.50	0.20	0.02	0.03	0.03			
	2.00	B27	S34	D	Condominiums	75	57	91	1.55	1.52	1.49	1.43	1.31	1.17	0.35	0.20	0.21	0.35	0.42			
	6.40	B28	S34	C	Residential 5-7 dwellings/acre	69	50	86	4.17	4.06	3.92	3.68	3.25	2.84	0.50	0.25	0.96	1.60	1.92			
	0.90	B28	S34	C	Condominiums	69	50	86	0.67	0.65	0.64	0.61	0.56	0.51	0.35	0.25	0.09	0.16	0.19			
	5.20	B28	S34	D	Residential 5-7 dwellings/acre	75	57	91	3.65	3.56	3.45	3.24	2.86	2.47	0.50	0.20	0.78	1.30	1.56			
	0.80	B28	S34	D	Condominiums	75	57	91	0.62	0.61	0.60	0.57	0.52	0.47	0.35	0.20	0.08	0.14	0.17			
	2.90	B29	S34	C	Residential 10+ dwellings/acre	69	50	86	2.40	2.38	2.34	2.27	2.14	1.99	0.20	0.25	0.17	0.29	0.35			
	2.90	B29	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.89	1.84	1.78	1.67	1.47	1.29	0.50	0.25	0.44	0.73	0.87			
	6.30	B29	S34	D	Residential 10+ dwellings/acre	75	57	91	5.35	5.29	5.21	5.06	4.76	4.40	0.20	0.20	0.38	0.63	0.76			
	6.00	B29	S34	D	Residential 5-7 dwellings/acre	75	57	91	4.21	4.11	3.98	3.74	3.30	2.85	0.50	0.20	0.90	1.50	1.80			
	1.40	B2A	S34	D	Commercial, Industrial	75	57	91	1.26	1.25	1.23	1.21	1.15	1.08	0.10	0.20	0.04	0.07	0.08			
	0.50	B3	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.35	0.34	0.33	0.31	0.28	0.24	0.50	0.20	0.08	0.13	0.15			
	2.40	B3	S34	D	Commercial, Industrial	75	57	91	2.16	2.14	2.12	2.07	1.98	1.86	0.10	0.20	0.07	0.12	0.14			
	1.30	B3	S34	D	Open Brush, Fair	83	67	96	0.79	0.75	0.71	0.26	0.13	0.04	1.00	0.20	0.39	0.65	0.78			
	2.90	B30	S34	C	Residential 10+ dwellings/acre	69	50	86	2.40	2.38	2.34	2.27	2.14	1.99	0.20	0.25	0.17	0.29	0.35			
	1.60	B30	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.04	1.02	0.98	0.92	0.81	0.71	0.50	0.25	0.24	0.40	0.48			
	0.60	B31	S34	D	Apartments	75	57	91	0.51	0.50	0.50	0.48	0.45	0.42	0.20	0.20	0.04	0.06	0.07			
	0.20	B32	S34	D	Apartments	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14	0.20	0.20	0.01	0.02	0.02			
	5.90	B32	S34	D	Commercial, Industrial	75	57	91	5.30	5.26	5.20	5.09	4.87	4.56	0.10	0.20	0.18	0.30	0.35			
	14.90	B33	S34	D	Commercial, Industrial	75	57	91	13.38	13.28	13.14	12.87	12.29	11.52	0.10	0.20	0.45	0.75	0.89			
	0.10	B34	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05	0.40	0.20	0.01	0.02	0.02			
	0.20	B34	S34	D	Apartments	75	57	91	0.17	0.17	0.17	0.16	0.15	0.14	0.20	0.20	0.01	0.02	0.02			
	1.80	B34	S34	D	Commercial, Industrial	75	57	91	1.62	1.60	1.59	1.55	1.48	1.39	0.10	0.20	0.05	0.09	0.11			
	0.40	B35	S34	B	Commercial, Industrial	56	36	76	0.35	0.35	0.34	0.34	0.32	0.31	0.10	0.30	0.01	0.02	0.02			
	0.10	B35	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.08	0.07	0.07	0.07	0.06	0.05	0.40	0.20	0.01	0.02	0.02			
	1.30	B35	S34	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01	0.10	0.20	0.04	0.07	0.08			
	9.40	B36	S34	D	Residential 8-10 dwellings/acre	75	57	91	7.05	6.92	6.74	6.43	5.82	5.16	0.40	0.20	1.13	1.88	2.26			
	0.70	B37	S34	D	Residential 10+ dwellings/acre	75	57	91	0.59	0.59	0.58	0.56	0.53	0.49	0.20	0.20	0.04	0.07	0.08			
	2.50	B37	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.88	1.84	1.79	1.71	1.55	1.37	0.40	0.20	0.30	0.50	0.60			
	1.70	B38	S34	D	Residential 10+ dwellings/acre	75	57	91	1.44	1.43	1.41	1.37	1.29	1.19	0.20	0.20	0.10	0.17	0.20			
	1.60	B38	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.20	1.18	1.15	1.09	0.99	0.88	0.40	0.20	0.19	0.32	0.38			
	1.40	B39	S34	D	Residential 10+ dwellings/acre	75	57	91	1.19	1.18	1.16	1.12	1.06	0.98	0.20	0.20	0.08	0.14	0.17			
	7.10	B39	S34	D	Residential 8-10 dwellings/acre	75	57	91	5.33	5.23	5.09	4.85	4.40	3.90	0.40	0.20	0.85	1.42	1.70			
	2.70	B39	S34	D	Apartments	75	57	91	2.29	2.27	2.23	2.17	2.04	1.89	0.20	0.20	0.16	0.27	0.32			
	1.10	B39	S34	D	Commercial, Industrial	75	57	91	0.99	0.98	0.97	0.95	0.91	0.85	0.10	0.20	0.03	0.06	0.07			
	0.10	B4	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.08	0.08	0.08	0.10	0.30	0.00	0.01	0.01			
	0.10	B4	S34	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00	1.00	0.30	0.03	0.05	0.06			
	0.20	B4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.13	0.13	0.12	0.11	0.10	0.09	0.50	0.25	0.03	0.05	0.06			
	0.20	B4	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.10	0.25	0.01	0.01	0.01			
	0.60	B4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.42	0.41	0.40	0.37	0.33	0.28	0.50	0.20	0.09	0.15	0.18			
	1.90	B4	S34	D	Commercial, Industrial	75	57	91	1.71	1.69	1.68	1.64	1.57	1.47	0.10	0.20	0.06	0.10	0.11			
	1.30	B4	S34	D	Open Brush, Fair	83	67	96	0.79	0.75	0.71	0.26	0.13	0.04	1.00	0.20	0.39	0.65	0.78			
	2.90	B40	S34	D	Residential 10+ dwellings/acre	75	57	91	2.46	2.43	2.40	2.33	2.19	2.03	0.20	0.20	0.17	0.29	0.35			
	5.40	B40	S34	D	Residential 5-7 dwellings/acre	75	57	91	3.79	3.70	3.58	3.37	2.97	2.56	0.50	0.20	0.81	1.35	1.62			
	1.00	B40	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.75	0.74	0.72	0.68	0.62	0.55	0.40	0.20	0.12	0.20	0.24			
	0.60	B40	S34	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46	0.10	0.20	0.02	0.03	0.04			
	6.10	B41	S34	D	Residential 10+ dwellings/acre	75	57	91	5.18	5.12	5.04	4.90	4.61	4.26	0.20	0.20	0.37	0.61	0.73			
	0.60	B41	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.45	0.44	0.43	0.41	0.37	0.33	0.40	0.20	0.07	0.12	0.14			
	8.40	B42	S34	D	Residential 10+ dwellings/acre	75	57	91	7.13	7.05	6.95	6.75	6.35	5.87	0.20	0.20	0.50	0.84	1.01			
	0.60	B42	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.42	0.41	0.40	0.37	0.33	0.28	0.50	0.20	0.09	0.15	0.18			
	2.10	B43	S34	D	Residential 10+ dwellings/acre	75	57	91	1.78	1.76	1.74	1.69	1.59	1.47	0.20	0.20	0.13	0.21	0.25			
	5.00	B44	S34	D	Residential 10+ dwellings/acre	75	57	91	4.24	4.20	4.13	4.02	3.78	3.49	0.20	0.20	0.30	0.50	0.60			
	5.30	B45	S34	D	Residential 10+ dwellings/acre	75	57	91	4.50	4.45	4.38	4.26	4.01	3.70	0.20	0.20	0.32	0.53	0.64			
	1.20	B46	S34	D	Residential 10+ dwellings/acre	75	57	91	1.02	1.01	0.99	0.96	0.91	0.84	0.20	0.20	0.07	0.12	0.14			
	0.20	B46	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15	0.10	0.20	0.01	0.01	0.01			
	1.20	B46A	S34	D	Residential 10+ dwellings/acre	75	57	91	1.02	1.01	0.99	0.96	0.91	0.84	0.20	0.20	0.07	0.12	0.14			
	0.70	B46A	S34	D	School	75	57	91	0.46	0.44	0.43	0.39	0.34	0.28	0.60	0.20	0.13	0.21	0.25			
	1.10	B47	S34	C	Residential 10+ dwellings/acre	69	50	86	0.91	0.90	0.89	0.86	0.81	0.76	0.20	0.25	0.07	0.11	0.13			
	1.20	B47	S34	C	Commercial, Industrial	69	50	86	1.07	1.06	1.05	1.02	0.98	0.92	0.10	0.25	0.04	0.06	0.07			
	6.30	B47	S34	C	Public Park	69	50	86	2.80	2.64</												

RANCHO MISSION VIEJO PA-3&4 (Ultimate Conditions) Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																								
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 100	Storm Event (Year)				HC All
							EV																	
							100	50	25	10	5	2												
							P ₂₄ (Inches)																	
							AMC																	
II	I	III																						
	1.50	B49	S34	D	Commercial, Industrial	75	57	91	1.35	1.34	1.32	1.30	1.24	1.16		0.10	0.20	0.05	0.08	0.09				
	0.10	B49	S34	D	Condominiums	75	57	91	0.08	0.08	0.07	0.07	0.07	0.06		0.35	0.20	0.01	0.02	0.02				
	1.10	B49	S34	D	Public Park	75	57	91	0.58	0.55	0.52	0.45	0.34	0.23		0.85	0.20	0.28	0.47	0.56				
	0.10	B5	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.05	0.05	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03				
	0.50	B5	S34	B	Commercial, Industrial	56	36	76	0.44	0.43	0.43	0.42	0.40	0.38		0.10	0.30	0.02	0.03	0.03				
	0.40	B5	S34	B	Open Brush, Fair	66	46	84	0.12	0.11	0.10	0.01	0.00	0.00		1.00	0.30	0.12	0.20	0.24				
	0.70	B5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.46	0.44	0.43	0.40	0.36	0.31		0.50	0.25	0.11	0.18	0.21				
	1.50	B5	S34	C	Commercial, Industrial	69	50	86	1.33	1.32	1.31	1.28	1.22	1.15		0.10	0.25	0.05	0.08	0.09				
	0.80	B5	S34	C	Open Brush, Fair	77	59	92	0.39	0.37	0.34	0.09	0.03	0.00		1.00	0.25	0.24	0.40	0.48				
	0.10	B50	S34	C	Residential 10+ dwellings/acre	69	50	86	0.08	0.08	0.08	0.08	0.07	0.07		0.20	0.25	0.01	0.01	0.01				
	1.70	B50	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.11	1.08	1.04	0.98	0.86	0.76		0.50	0.25	0.26	0.43	0.51				
	0.30	B50	S34	C	Public Park	69	50	86	0.13	0.13	0.12	0.10	0.07	0.05		0.85	0.25	0.08	0.13	0.15				
	0.80	B50	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.56	0.55	0.53	0.50	0.44	0.38		0.50	0.20	0.12	0.20	0.24				
	0.10	B50	S34	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05				
	0.30	B51	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.20	0.19	0.18	0.17	0.15	0.13		0.50	0.25	0.05	0.08	0.09				
	0.20	B51	S34	C	Public Park	69	50	86	0.09	0.08	0.08	0.07	0.05	0.03		0.85	0.25	0.05	0.09	0.10				
	0.20	B51	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.14	0.14	0.13	0.12	0.11	0.09		0.50	0.20	0.03	0.05	0.06				
	0.10	B51	S34	D	Public Park	75	57	91	0.05	0.05	0.05	0.04	0.03	0.02		0.85	0.20	0.03	0.04	0.05				
	0.90	B52	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.51	0.49	0.48	0.45	0.41	0.38		0.50	0.30	0.14	0.23	0.27				
	0.30	B52	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.19	0.19	0.18	0.18	0.16	0.15		0.40	0.30	0.04	0.06	0.07				
	2.50	B52	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.63	1.59	1.53	1.44	1.27	1.11		0.50	0.25	0.38	0.63	0.75				
	0.70	B52	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.50	0.49	0.47	0.45	0.41	0.37		0.40	0.25	0.08	0.14	0.17				
	9.10	B52	S34	C	Condominiums	69	50	86	6.74	6.62	6.46	6.18	5.67	5.14		0.35	0.25	0.96	1.59	1.91				
	2.80	B52	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.96	1.92	1.86	1.75	1.54	1.33		0.50	0.20	0.42	0.70	0.84				
	1.60	B52	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.20	1.18	1.15	1.09	0.99	0.88		0.40	0.20	0.19	0.32	0.38				
	7.40	B52	S34	D	Condominiums	75	57	91	5.74	5.64	5.51	5.28	4.83	4.34		0.35	0.20	0.78	1.30	1.55				
	0.30	B52	S34	D	Public Park	75	57	91	0.16	0.15	0.14	0.12	0.09	0.06		0.85	0.20	0.08	0.13	0.15				
	0.10	B53	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.06	0.06	0.06	0.06	0.05	0.05		0.40	0.30	0.01	0.02	0.02				
	0.30	B53	S34	B	Commercial, Industrial	56	36	76	0.26	0.26	0.26	0.25	0.24	0.23		0.10	0.30	0.01	0.02	0.02				
	0.10	B53	S34	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	0.10	B53	S34	B	Public Park	56	36	76	0.03	0.03	0.02	0.02	0.01	0.01		0.85	0.30	0.03	0.04	0.05				
	0.10	B53	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.07	0.06	0.06	0.06	0.05	0.04		0.50	0.25	0.02	0.03	0.03				
	1.30	B53	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.92	0.91	0.88	0.84	0.76	0.68		0.40	0.25	0.16	0.26	0.31				
	0.90	B53	S34	C	Commercial, Industrial	69	50	86	0.80	0.79	0.78	0.77	0.73	0.69		0.10	0.25	0.03	0.05	0.05				
	0.40	B53	S34	C	Open Brush, Fair	77	59	92	0.20	0.19	0.17	0.04	0.01	0.00		1.00	0.25	0.12	0.20	0.24				
	0.80	B53	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.60	0.59	0.57	0.55	0.50	0.44		0.40	0.20	0.10	0.16	0.19				
	0.40	B53	S34	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31		0.10	0.20	0.01	0.02	0.02				
	0.10	B53	S34	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06				
	0.60	B54	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.38	0.38	0.37	0.35	0.33	0.31		0.40	0.30	0.07	0.12	0.14				
	0.30	B54	S34	B	Commercial, Industrial	56	36	76	0.26	0.26	0.26	0.25	0.24	0.23		0.10	0.30	0.01	0.02	0.02				
	0.10	B54	S34	B	Open Brush, Fair	66	46	84	0.03	0.03	0.02	0.00	0.00	0.00		1.00	0.30	0.03	0.05	0.06				
	2.60	B54	S34	C	Residential 8-10 dwellings/acre	69	50	86	1.85	1.81	1.76	1.68	1.52	1.36		0.40	0.25	0.31	0.52	0.62				
	1.00	B54	S34	C	Commercial, Industrial	69	50	86	0.89	0.88	0.87	0.85	0.82	0.77		0.10	0.25	0.03	0.05	0.06				
	0.20	B54	S34	C	Open Brush, Fair	77	59	92	0.10	0.09	0.09	0.02	0.01	0.00		1.00	0.25	0.06	0.10	0.12				
	0.50	B54	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.38	0.37	0.36	0.34	0.31	0.27		0.40	0.20	0.06	0.10	0.12				
	0.30	B54	S34	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23		0.10	0.20	0.01	0.02	0.02				
	0.10	B54	S34	D	Open Brush, Fair	83	67	96	0.06	0.06	0.05	0.02	0.01	0.00		1.00	0.20	0.03	0.05	0.06				
	0.10	B55	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.06	0.05	0.05	0.05	0.05	0.04		0.50	0.30	0.02	0.03	0.03				
	0.70	B55	S34	B	Residential 8-10 dwellings/acre	56	36	76	0.45	0.44	0.43	0.41	0.38	0.36		0.40	0.30	0.08	0.14	0.17				
	2.20	B55	S34	C	Residential 5-7 dwellings/acre	69	50	86	1.43	1.40	1.35	1.26	1.12	0.98		0.50	0.25	0.33	0.55	0.66				
	1.80	B55	S34	C	Residential 8-10 dwellings/acre	69	50	86	1.28	1.25	1.22	1.16	1.05	0.94		0.40	0.25	0.22	0.36	0.43				
	0.20	B55	S34	C	Condominiums	69	50	86	0.15	0.15	0.14	0.14	0.12	0.11		0.35	0.25	0.02	0.04	0.04				
	3.20	B55	S34	D	Residential 5-7 dwellings/acre	75	57	91	2.24	2.19	2.12	2.00	1.76	1.52		0.50	0.20	0.48	0.80	0.96				
	5.70	B55	S34	D	Residential 8-10 dwellings/acre	75	57	91	4.28	4.20	4.09	3.90	3.53	3.13		0.40	0.20	0.68	1.14	1.37				
	6.40	B56	S34	B	Open Brush, Fair	66	46	84	1.98	1.80	1.57	0.08	0.00	0.00		1.00	0.30	1.92	3.20	3.84				
	1.40	B56	S34	C	Open Brush, Fair	77	59	92	0.69	0.65	0.60	0.15	0.05	0.00		1.00	0.25	0.42	0.70	0.84				
	0.60	B56	S34	D	Open Brush, Fair	83	67	96	0.36	0.35	0.33	0.12	0.06	0.02		1.00	0.20	0.18	0.30	0.36				
	1.20	B6	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.67	0.66	0.63	0.60	0.55	0.51		0.50	0.30	0.18	0.30	0.36				
	0.10	B6	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.08	0.08	0.08		0.10	0.30	0.00	0.01	0.01				
	0.20	B6	S34	C	Residential 5-7 dwellings/acre	69	50																	

RANCHO MISSION VIEJO PA-3&4 (Ultimate Conditions) Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																						
Node	Area (acres)	Local Subarea	Regional Subarea	Soil Type	Land Use	Curve Number CN		Low Loss Fraction (1-Y) x Area								A ₀	F _p	Maximum Loss Rate (F _m) x Area				
								Storm Event (Year)														
								EV							HC							
								100	50	25	10	5	2	100								
						AMC		P ₂₄ (Inches)						5.63								
						II	I	III	AMC 1/AMCII													
	0.10	C2	S34	C	Public Park	69	50	86	0.04	0.04	0.04	0.03	0.02	0.02	0.85	0.25	0.03	0.04	0.05			
	0.10	C2	S34	D	Residential 10+ dwellings/acre	75	57	91	0.08	0.08	0.08	0.08	0.08	0.07	0.20	0.20	0.01	0.01	0.01			
	0.30	C2	S34	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23	0.10	0.20	0.01	0.01	0.02	0.02		
	0.40	C2	S34	D	Condominiums	75	57	91	0.31	0.30	0.30	0.29	0.26	0.23	0.35	0.20	0.04	0.07	0.08			
	1.10	C3	S34	C	Commercial, Industrial	69	50	86	0.98	0.97	0.96	0.94	0.90	0.84	0.10	0.25	0.03	0.06	0.07			
	1.30	C3	S34	D	Commercial, Industrial	75	57	91	1.17	1.16	1.15	1.12	1.07	1.01	0.10	0.20	0.04	0.07	0.08			
	0.60	C4	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.39	0.38	0.37	0.34	0.30	0.27	0.50	0.25	0.09	0.15	0.18			
	1.70	C4	S34	C	Commercial, Industrial	69	50	86	1.51	1.50	1.48	1.45	1.39	1.30	0.10	0.25	0.05	0.09	0.10			
	1.00	C4	S34	C	Condominiums	69	50	86	0.74	0.73	0.71	0.68	0.62	0.57	0.35	0.25	0.11	0.18	0.21			
	0.10	C4	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.07	0.07	0.07	0.06	0.06	0.05	0.50	0.20	0.02	0.03	0.03			
	0.70	C4	S34	D	Commercial, Industrial	75	57	91	0.63	0.62	0.62	0.60	0.58	0.54	0.10	0.20	0.02	0.04	0.04			
	0.40	C4	S34	D	Condominiums	75	57	91	0.31	0.30	0.30	0.29	0.26	0.23	0.35	0.20	0.04	0.07	0.08			
	1.30	C5	S34	C	Residential 5-7 dwellings/acre	69	50	86	0.85	0.83	0.80	0.75	0.66	0.58	0.50	0.25	0.20	0.33	0.39			
	0.40	C5	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.28	0.28	0.27	0.26	0.23	0.21	0.40	0.25	0.05	0.08	0.10			
	0.20	C5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.10	0.25	0.01	0.01	0.01			
	1.50	C5	S34	D	Residential 5-7 dwellings/acre	75	57	91	1.05	1.03	0.99	0.94	0.83	0.71	0.50	0.20	0.23	0.38	0.45			
	1.90	C5	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.43	1.40	1.36	1.30	1.18	1.04	0.40	0.20	0.23	0.38	0.46			
	2.00	C5	S34	D	Commercial, Industrial	75	57	91	1.80	1.78	1.76	1.73	1.65	1.55	0.10	0.20	0.06	0.10	0.12			
	4.40	C6	S34	C	Apartments	69	50	86	3.65	3.61	3.55	3.45	3.25	3.02	0.20	0.25	0.26	0.44	0.53			
	0.10	C6	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08	0.10	0.25	0.00	0.01	0.01			
	6.70	C6	S34	D	Apartments	75	57	91	5.69	5.63	5.54	5.38	5.07	4.68	0.20	0.20	0.40	0.67	0.80			
	3.10	C7	S34	D	Open Brush, Fair	83	67	96	1.88	1.80	1.69	0.62	0.32	0.09	1.00	0.20	0.93	1.55	1.86			
	0.20	CCR-A1	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A1	S34	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A2	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.08	0.08	0.08	0.10	0.30	0.00	0.01	0.01			
	0.50	CCR-A2	S34	C	Commercial, Industrial	69	50	86	0.44	0.44	0.44	0.43	0.41	0.38	0.10	0.25	0.02	0.03	0.03			
	0.40	CCR-A3	S34	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.10	0.20	0.01	0.02	0.02			
	0.10	CCR-A4	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08	0.10	0.25	0.00	0.01	0.01			
	0.30	CCR-A4	S34	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23	0.10	0.20	0.01	0.02	0.02			
	0.20	CCR-A5	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.10	0.25	0.01	0.01	0.01			
	0.40	CCR-A5	S34	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.10	0.20	0.01	0.02	0.02			
	0.30	CCR-A6	S34	C	Commercial, Industrial	69	50	86	0.27	0.26	0.26	0.26	0.24	0.23	0.10	0.25	0.01	0.02	0.02			
	0.30	CCR-A6	S34	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23	0.10	0.20	0.01	0.02	0.02			
	0.40	CCR-A7	S34	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.10	0.20	0.01	0.02	0.02			
	0.70	CCR-A8	S34	D	Commercial, Industrial	75	57	91	0.63	0.62	0.62	0.60	0.58	0.54	0.10	0.20	0.02	0.04	0.04			
	0.10	CCR-A9	S34	B	Commercial, Industrial	56	36	76	0.09	0.09	0.09	0.08	0.08	0.08	0.10	0.30	0.00	0.01	0.01			
	0.60	CCR-A9	S34	C	Commercial, Industrial	69	50	86	0.53	0.53	0.52	0.51	0.49	0.46	0.10	0.25	0.02	0.03	0.04			
	0.30	CCR-A9	S34	D	Commercial, Industrial	75	57	91	0.27	0.27	0.26	0.26	0.25	0.23	0.10	0.20	0.01	0.02	0.02			
	0.50	CCR-C1	S34	D	Commercial, Industrial	75	57	91	0.45	0.45	0.44	0.43	0.41	0.39	0.10	0.20	0.02	0.03	0.03			
	0.50	CCR-C10	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.36	0.35	0.34	0.32	0.29	0.26	0.40	0.25	0.06	0.10	0.12			
	1.50	CCR-C10	S34	D	Residential 8-10 dwellings/acre	75	57	91	1.13	1.10	1.08	1.03	0.93	0.82	0.40	0.20	0.18	0.30	0.36			
	0.60	CCR-C2	S34	D	Commercial, Industrial	75	57	91	0.54	0.53	0.53	0.52	0.49	0.46	0.10	0.20	0.02	0.03	0.04			
	0.20	CCR-C3	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.10	0.25	0.01	0.01	0.01			
	0.20	CCR-C3	S34	D	Commercial, Industrial	75	57	91	0.18	0.18	0.18	0.17	0.16	0.15	0.10	0.20	0.01	0.01	0.01			
	0.20	CCR-C4	S34	C	Commercial, Industrial	69	50	86	0.18	0.18	0.17	0.17	0.16	0.15	0.10	0.25	0.01	0.01	0.01			
	0.50	CCR-C4	S34	D	Commercial, Industrial	75	57	91	0.45	0.45	0.44	0.43	0.41	0.39	0.10	0.20	0.02	0.03	0.03			
	0.10	CCR-C5	S34	C	Commercial, Industrial	69	50	86	0.09	0.09	0.09	0.09	0.08	0.08	0.10	0.25	0.00	0.01	0.01			
	0.40	CCR-C5	S34	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.10	0.20	0.01	0.02	0.02			
	0.40	CCR-C6	S34	D	Commercial, Industrial	75	57	91	0.36	0.36	0.35	0.35	0.33	0.31	0.10	0.20	0.01	0.02	0.02			
	0.20	CCR-C7	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.14	0.14	0.14	0.13	0.12	0.10	0.40	0.25	0.02	0.04	0.05			
	0.20	CCR-C8	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.14	0.14	0.14	0.13	0.12	0.10	0.40	0.25	0.02	0.04	0.05			
	0.30	CCR-C8	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.23	0.22	0.22	0.21	0.19	0.16	0.40	0.20	0.04	0.06	0.07			
	0.30	CCR-C9	S34	C	Residential 8-10 dwellings/acre	69	50	86	0.21	0.21	0.20	0.19	0.18	0.16	0.40	0.25	0.04	0.06	0.07			
	0.80	CCR-C9	S34	D	Residential 8-10 dwellings/acre	75	57	91	0.60	0.59	0.57	0.55	0.50	0.44	0.40	0.20	0.10	0.16	0.19			
	0.60	HZ-101	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.07	0.05	0.04	0.00	0.00	0.00	1.00	0.40	0.18	0.30	0.36			
	3.80	HZ-101	S34	A	Open Brush, Fair	46	28	66	0.28	0.21	0.14	0.00	0.00	0.00	1.00	0.40	1.14	1.90	2.28			
	0.10	HZ-101	S34	A	Woodland, Grass, Fair	44	26	64	0.01	0.00	0.00	0.00	0.00	0.00	1.00	0.40	0.03	0.05	0.06			
	1.10	HZ-101	S34	B	Commercial, Industrial	56	36	76	0.96	0.95	0.94	0.92	0.89	0.84	0.10	0.30	0.03	0.06	0.07			
	13.40	HZ-101	S34	B	Fallow	86	72	97	8.94	8.64	8.22	3.57	2.10	0.84	1.00	0.30	4.02	6.70	8.04			
	14.80	HZ-101	S34	B	Grass, Annual or Perennial, Fair	69	50	86	5.26	4.83	4.28	0.45	0.01	0.00	1.00	0.30	4.44	7.40	8.88			
	1.00	HZ-101	S34	B	Open Brush, Fair	66	46	84	0.31	0.28	0.24	0.01	0.00	0.00	1.00	0.30	0.30	0.50	0.60			
	1.20	HZ-101	S34	B	Public Park	56	36	76	0.35	0.32	0.29	0.24	0.18	0.15	0.85	0.30	0.31	0.51	0.61			
	0.00	HZ-101	S34	B	Residential 3-4 dwellings/acre	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.30	0.00	0.00	0.00			
	0.00	HZ-101	S34	B	Residential 5-7 dwellings/acre	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.30	0.00	0.00	0.00			
	0.00	HZ-101	S34	B	Row Crops, Good	78	6															

RANCHO MISSION VIEJO																							
PA-3&4 (Ultimate Conditions)																							
Unit Hydrograph Method Loss Rate Parameter Development - Node 10100 to 13700 (Node 134u)																							
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)				
							EV												EV				
							P ₂₄ (Inches)												P ₂₄ (Inches)				
							AMC												AMC				
							II	I	III														
	321.20	HZ-101	S34	D	Grass, Annual or Perennial, Fair	84	69	96	200.85	193.12	182.55	70.83	38.02	12.03	1.00	0.20	96.36	160.60	192.72				
	44.30	HZ-101	S34	D	Open Brush, Fair	83	67	96	26.80	25.71	24.21	8.89	4.54	1.24	1.00	0.20	13.29	22.15	26.58				
	2.20	HZ-101	S34	D	Public Park	75	57	91	1.16	1.11	1.04	0.91	0.68	0.47	0.85	0.20	0.56	0.94	1.12				
	10.80	HZ-101	S34	D	Residential 3-4 dwellings/acre	75	57	91	7.04	6.84	6.56	6.09	5.21	4.32	0.60	0.20	1.94	3.24	3.89				
	0.00	HZ-101	S34	D	Residential 5-7 dwellings/acre	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.20	0.00	0.00	0.00				
	9.80	HZ-101	S34	D	Woodland, Grass, Fair	82	66	95	5.73	5.48	5.15	1.78	0.86	0.19	1.00	0.20	2.94	4.90	5.88				
	0.20	HZ-209	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.02	0.02	0.01	0.00	0.00	0.00	1.00	0.40	0.06	0.10	0.12				
	4.00	HZ-209	S34	C	Grass, Annual or Perennial, Fair	79	62	93	2.11	2.00	1.86	0.53	0.21	0.02	1.00	0.25	1.20	2.00	2.40				
	2.00	HZ-209	S34	D	Grass, Annual or Perennial, Fair	84	69	96	1.25	1.20	1.14	0.44	0.24	0.07	1.00	0.20	0.60	1.00	1.20				
	9.70	HZ-209	S34	A	Open Brush, Fair	46	28	66	0.71	0.55	0.36	0.00	0.00	0.00	1.00	0.40	2.91	4.85	5.82				
	2.60	HZ-209	S34	C	Open Brush, Fair	77	59	92	1.28	1.20	1.11	0.28	0.09	0.00	1.00	0.25	0.78	1.30	1.56				
	0.00	HZ-209	S34	D	Open Brush, Fair	83	67	96	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.20	0.00	0.00	0.00				
	1.60	HZ-209	S34	C	Row Crops, Poor	88	75	98	1.14	1.10	1.06	0.51	0.33	0.16	1.00	0.25	0.48	0.80	0.96				
	2.00	HZ-209	S34	D	Row Crops, Poor	91	80	98	1.55	1.52	1.47	0.83	0.59	0.35	1.00	0.20	0.60	1.00	1.20				
	12.50	HZ-209	S34	A	Woodland, Grass, Fair	44	26	64	0.72	0.53	0.32	0.00	0.00	0.00	1.00	0.40	3.75	6.25	7.50				
	5.80	HZ-209	S34	C	Woodland, Grass, Fair	77	59	92	2.85	2.68	2.47	0.62	0.20	0.00	1.00	0.25	1.74	2.90	3.48				
	0.10	HZ-209	S34	D	Woodland, Grass, Fair	82	66	95	0.06	0.06	0.05	0.02	0.01	0.00	1.00	0.20	0.03	0.05	0.06				
	9.20	HZ-505	S34	A	Open Brush, Fair	46	28	66	0.68	0.52	0.34	0.00	0.00	0.00	1.00	0.40	2.76	4.60	5.52				
	6.40	HZ-505	S34	A	Public Park	32	17	52	0.91	0.91	0.92	0.89	0.86	0.81	0.85	0.40	1.63	2.72	3.26				
	3.30	HZ-505	S34	A	Row Crops, Poor	72	53	89	1.33	1.24	1.11	0.18	0.02	0.00	1.00	0.40	0.99	1.65	1.98				
	4.90	HZ-505	S34	A	Woodland, Grass, Fair	44	26	64	0.28	0.21	0.12	0.00	0.00	0.00	1.00	0.40	1.47	2.45	2.94				
	7.90	HZ-505	S34	B	Open Brush, Fair	66	46	84	2.45	2.22	1.93	0.10	0.00	0.00	1.00	0.30	2.37	3.95	4.74				
	2.00	HZ-505	S34	B	Public Park	56	36	76	0.58	0.54	0.49	0.41	0.30	0.25	0.85	0.30	0.51	0.85	1.02				
	16.20	HZ-505	S34	B	Row Crops, Poor	81	64	95	9.16	8.74	8.17	2.66	1.20	0.21	1.00	0.30	4.86	8.10	9.72				
	1.20	HZ-505	S34	B	Woodland, Grass, Fair	65	45	83	0.35	0.32	0.28	0.01	0.00	0.00	1.00	0.30	0.36	0.60	0.72				
	23.90	HZ-505	S34	C	Chaparral, Broadleaf, Fair	75	57	91	10.87	10.19	9.29	2.01	0.52	0.00	1.00	0.25	7.17	11.95	14.34				
	4.10	HZ-505	S34	C	Grass, Annual or Perennial, Fair	79	62	93	2.16	2.05	1.90	0.55	0.21	0.02	1.00	0.25	1.23	2.05	2.46				
	9.80	HZ-505	S34	C	Open Brush, Fair	77	59	92	4.81	4.53	4.17	1.05	0.35	0.01	1.00	0.25	2.94	4.90	5.88				
	7.70	HZ-505	S34	C	Residential 1 acre lots	69	50	86	3.65	3.46	3.22	2.82	2.13	1.55	0.80	0.25	1.85	3.08	3.70				
	3.00	HZ-505	S34	C	Row Crops, Poor	88	75	98	2.13	2.07	1.98	0.96	0.61	0.30	1.00	0.25	0.90	1.50	1.80				
	46.80	HZ-505	S34	C	Woodland, Grass, Fair	77	59	92	22.96	21.65	19.91	5.03	1.65	0.03	1.00	0.25	14.04	23.40	28.08				
	0.90	HZ-506	S34	A	Woodland, Grass, Fair	44	26	64	0.05	0.04	0.02	0.00	0.00	0.00	1.00	0.40	0.27	0.45	0.54				
	1.00	HZ-506	S34	B	Woodland, Grass, Fair	65	45	83	0.29	0.27	0.23	0.01	0.00	0.00	1.00	0.30	0.30	0.50	0.60				
	41.70	HZ-506	S34	C	Chaparral, Broadleaf, Fair	75	57	91	18.97	17.79	16.21	3.51	0.90	0.00	1.00	0.25	12.51	20.85	25.02				
	0.10	HZ-506	S34	C	Row Crops, Poor	88	75	98	0.07	0.07	0.07	0.03	0.02	0.01	1.00	0.25	0.03	0.05	0.06				
	5.80	HZ-506	S34	C	Woodland, Grass, Fair	77	59	92	2.85	2.68	2.47	0.62	0.20	0.00	1.00	0.25	1.74	2.90	3.48				
	0.60	HZ-507	S34	A	Chaparral, Broadleaf, Fair	40	23	60	0.02	0.01	0.00	0.00	0.00	0.00	1.00	0.40	0.18	0.30	0.36				
	17.60	HZ-507	S34	A	Open Brush, Fair	46	28	66	1.30	0.99	0.65	0.00	0.00	0.00	1.00	0.40	5.28	8.80	10.56				
	12.00	HZ-507	S34	A	Woodland, Grass, Fair	44	26	64	0.69	0.50	0.30	0.00	0.00	0.00	1.00	0.40	3.60	6.00	7.20				
	9.90	HZ-507	S34	B	Chaparral, Broadleaf, Fair	63	43	81	2.64	2.36	2.02	0.03	0.00	0.00	1.00	0.30	2.97	4.95	5.94				
	1.00	HZ-507	S34	B	Open Brush, Fair	66	46	84	0.31	0.28	0.24	0.01	0.00	0.00	1.00	0.30	0.30	0.50	0.60				
	9.60	HZ-507	S34	B	Woodland, Grass, Fair	65	45	83	2.83	2.56	2.21	0.08	0.00	0.00	1.00	0.30	2.88	4.80	5.76				
	172.40	HZ-507	S34	C	Chaparral, Broadleaf, Fair	75	57	91	78.43	73.53	67.03	14.52	3.73	0.00	1.00	0.25	51.72	86.20	103.44				
	6.10	HZ-507	S34	C	Open Brush, Fair	77	59	92	2.99	2.82	2.60	0.66	0.22	0.00	1.00	0.25	1.83	3.05	3.66				
	1.00	HZ-507	S34	C	Woodland, Grass, Fair	77	59	92	0.49	0.46	0.43	0.11	0.04	0.00	1.00	0.25	0.30	0.50	0.60				
	1.20	HZ-507	S34	D	Chaparral, Broadleaf, Fair	81	64	95	0.68	0.65	0.61	0.20	0.09	0.02	1.00	0.20	0.36	0.60	0.72				
	0.10	HZ-508	S34	A	Chaparral, Broadleaf, Fair	40	23	60	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.40	0.03	0.05	0.06				
	0.00	HZ-508	S34	A	Grass, Annual or Perennial, Fair	50	31	70	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.40	0.00	0.00	0.00				
	0.20	HZ-508	S34	A	Open Brush, Fair	46	28	66	0.01	0.01	0.01	0.00	0.00	0.00	1.00	0.40	0.06	0.10	0.12				
	8.00	HZ-508	S34	A	Woodland, Grass, Fair	44	26	64	0.46	0.34	0.20	0.00	0.00	0.00	1.00	0.40	2.40	4.00	4.80				
	1.80	HZ-508	S34	B	Chaparral, Broadleaf, Fair	63	43	81	0.48	0.43	0.37	0.01	0.00	0.00	1.00	0.30	0.54	0.90	1.08				
	2.40	HZ-508	S34	B	Woodland, Grass, Fair	65	45	83	0.71	0.64	0.55	0.02	0.00	0.00	1.00	0.30	0.72	1.20	1.44				
	96.90	HZ-508	S34	C	Chaparral, Broadleaf, Fair	75	57	91	44.08	41.33	37.67	8.16	2.09	0.00	1.00	0.25	29.07	48.45	58.14				
	4.50	HZ-508	S34	C	Open Brush, Fair	77	59	92	2.21	2.08	1.91	0.48	0.16	0.00	1.00	0.25	1.35	2.25	2.70				
	0.60	HZ-508	S34	C	Woodland, Grass, Fair	77	59	92	0.29	0.28	0.26	0.06	0.02	0.00	1.00	0.25	0.18	0.30	0.36				
	16.80	HZ-508	S34	D	Chaparral, Broadleaf, Fair	81	64	95	9.50	9.06	8.47	2.76	1.25	0.22	1.00	0.20	5.04	8.40	10.08				
	7	S36-86.5	S34	A	Open Brush, Fair	46	28	66	0.52	0.39	0.26	0.00	0.00	0.00	1.00	0.40	2.10	3.50	4.20				
	3.3	S36-86.5	S34	A	Woodland, Grass, Fair	44	26	64	0.19	0.14	0.08	0.00	0.00	0.00	1.00	0.40	0.99	1.65	1.98				
	0.4	S36-86.5	S34	C	Commercial, Industrial	69	50	86	0.36	0.35	0.35	0.34	0.33	0.31	0.10	0.25	0.01	0.02	0.02				
	1.4	S36-86.5	S34	C																			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13500 to 13700 (Node 134t)

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				Storm Event (Year)				
									100	50	25	10	5	2	100					EV			HC
						AMC			P ₂₄ (Inches)					AMC 1/AMCII					5.63				
						II	I	III															
	9.8		S35	B	Chaparral, Broadleaf, Fair	63	43	81	2.61	2.34	2.00	0.03	0.00	0.00		1.00	0.30	2.94	4.90	5.88			
	33.69		S35	C	Chaparral, Broadleaf, Fair	75	57	91	15.33	14.37	13.10	2.84	0.73	0.00		1.00	0.25	10.11	16.85	20.21			
	24.62		S35	B	Commercial, Industrial, Industrial	56	36	76	21.43	21.27	21.05	20.65	19.83	18.78		0.10	0.30	0.74	1.23	1.48			
	0.84		S35	C	Commercial, Industrial, Industrial	69	50	86	0.75	0.74	0.73	0.72	0.69	0.64		0.10	0.25	0.03	0.04	0.05			
	16.79		S35	D	Commercial, Industrial, Industrial	75	57	91	15.08	14.96	14.80	14.50	13.85	12.97		0.10	0.20	0.50	0.84	1.01			
	77.1		S35	B	Fallow	86	72	97	51.41	49.69	47.32	20.52	12.10	4.80		1.00	0.30	23.13	38.55	46.26			
	63.31		S35	C	Fallow	91	80	98	49.19	48.13	46.66	26.33	18.77	11.00		1.00	0.25	18.99	31.66	37.99			
	17.06		S35	D	Fallow	94	85	99	14.46	14.25	13.96	9.17	7.21	4.98		1.00	0.20	5.12	8.53	10.24			
	59.76		S35	B	Grass, Annual or Perennial, Fair	69	50	86	21.24	19.51	17.27	1.83	0.03	0.00		1.00	0.30	17.93	29.88	35.86			
	1.62		S35	C	Grass, Annual or Perennial, Fair	79	62	93	0.85	0.81	0.75	0.22	0.08	0.01		1.00	0.25	0.49	0.81	0.97			
	114.17		S35	D	Grass, Annual or Perennial, Fair	84	69	96	71.39	68.64	64.89	25.18	13.53	4.21		1.00	0.20	34.25	57.09	68.50			
	1.11		S35	C	Meadows or Cienegas, Fair	80	63	94	0.61	0.58	0.54	0.16	0.07	0.01		1.00	0.25	0.33	0.56	0.67			
	126.02		S35	B	Open Brush, Fair	66	46	84	39.01	35.43	30.82	1.66	0.00	0.00		1.00	0.30	37.81	63.01	75.61			
	424.56		S35	C	Open Brush, Fair	77	59	92	208.26	196.43	180.62	45.60	15.00	0.20		1.00	0.25	127.37	212.28	254.74			
	54.86		S35	D	Open Brush, Fair	83	67	96	33.19	31.83	29.98	11.01	5.63	1.51		1.00	0.20	16.46	27.43	32.92			
	16.14		S35	B	Residential 5-7 dwellings/acre	56	36	76	9.07	8.83	8.54	8.06	7.34	6.84		0.50	0.30	2.42	4.04	4.84			
	30.91		S35	D	Residential 5-7 dwellings/acre	75	57	91	21.67	21.16	20.48	19.27	17.02	14.65		0.50	0.20	4.64	7.73	9.27			
	362.85		S35	B	Row Crops, Poor	81	64	95	205.22	195.76	182.94	59.51	26.96	4.68		1.00	0.30	108.86	181.43	217.71			
	119.83		S35	C	Row Crops, Poor	88	75	98	85.05	82.62	79.24	38.35	24.57	11.72		1.00	0.25	35.95	59.92	71.90			
	8.4		S35	D	Row Crops, Poor	91	80	98	6.53	6.39	6.19	3.49	2.49	1.46		1.00	0.20	2.52	4.20	5.04			
	0.05		S35	B	School	56	36	76	0.02	0.02	0.02	0.02	0.02	0.02		0.60	0.30	0.01	0.02	0.02			
	1.64		S35	D	School	75	57	91	1.07	1.04	1.00	0.92	0.79	0.65		0.60	0.20	0.30	0.49	0.59			
	4.84		S35	B	Woodland, Grass, Fair	65	45	83	1.43	1.29	1.12	0.04	0.00	0.00		1.00	0.30	1.45	2.42	2.90			
	9.84		S35	C	Woodland, Grass, Fair	77	59	92	4.83	4.55	4.19	1.06	0.35	0.00		1.00	0.25	2.95	4.92	5.90			
	1579.8				Low Loss Fraction (1-Y) =				0.443	0.468	0.501	0.803	0.882	0.937	1.000		F _m =	0.288	0.480	0.576	0.000		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 134 to 137 (Node 137)

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)				
								EV												HC				
								100	50	25	10	5	2	100										
								P ₂₄ (Inches)												5.63				
								AMC												5.63				
		II	I	III	AMC 1/AMCII																			
	8.10		S37	A	Commercial, Industrial	32	17	52	6.91	6.87	6.83	6.73	6.51	6.18	0.10	0.40	0.24	0.41	0.49					
	50.70		S37	B	Commercial, Industrial	56	36	76	44.12	43.79	43.34	42.52	40.84	38.69	0.10	0.30	1.52	2.54	3.04					
	5.70		S37	C	Commercial, Industrial	69	50	86	5.06	5.02	4.97	4.87	4.65	4.37	0.10	0.25	0.17	0.29	0.34					
	43.50		S37	D	Commercial, Industrial	75	57	91	39.07	38.77	38.35	37.56	35.87	33.64	0.10	0.20	1.31	2.18	2.61					
	16.60		S37	B	Residential 8-10 dwellings/acre	56	36	76	10.61	10.40	10.13	9.70	9.01	8.45	0.40	0.30	1.99	3.32	3.98					
	6.90		S37	D	Residential 8-10 dwellings/acre	75	57	91	5.18	5.08	4.95	4.72	4.27	3.79	0.40	0.20	0.83	1.38	1.66					
	5.40		S37	A	Residential 5-7 dwellings/acre	32	17	52	2.56	2.55	2.54	2.49	2.41	2.29	0.50	0.40	0.81	1.35	1.62					
	20.10		S37	B	Residential 5-7 dwellings/acre	56	36	76	11.29	11.00	10.63	10.04	9.15	8.52	0.50	0.30	3.02	5.03	6.03					
	104.50		S37	D	Residential 5-7 dwellings/acre	75	57	91	73.27	71.55	69.24	65.16	57.54	49.59	0.50	0.20	15.68	26.13	31.35					
	19.00		S37	B	Residential 3-4 dwellings/acre	56	36	76	9.21	8.89	8.50	7.88	6.98	6.44	0.60	0.30	3.42	5.70	6.84					
	0.40		S37	C	Residential 3-4 dwellings/acre	69	50	86	0.24	0.23	0.22	0.20	0.17	0.15	0.60	0.25	0.07	0.12	0.14					
	21.40		S37	D	Residential 3-4 dwellings/acre	75	57	91	13.95	13.55	13.01	12.06	10.32	8.56	0.60	0.20	3.85	6.42	7.70					
	88.60		S37	D	Residential 1 acre lots	75	57	91	49.03	46.94	44.15	39.30	30.58	22.19	0.80	0.20	21.26	35.44	42.53					
	39.90		S37	A	Public Park	32	17	52	5.69	5.65	5.75	5.53	5.35	5.08	0.60	0.40	10.17	16.96	20.35					
	42.60		S37	B	Public Park	56	36	76	12.43	11.51	10.37	8.63	6.32	5.42	0.85	0.30	10.86	18.11	21.73					
	7.60		S37	C	Public Park	69	50	86	3.38	3.18	2.93	2.51	1.81	1.23	0.85	0.25	1.94	3.23	3.88					
	137.80		S37	D	Public Park	75	57	91	72.87	69.45	64.89	56.99	42.84	29.37	0.85	0.20	35.14	58.57	70.28					
	6.50		S37	B	Grass, Annual or Perennial, Fair	69	50	86	2.31	2.12	1.88	0.20	0.00	0.00	1.00	0.30	1.95	3.25	3.90					
	173.80		S37	D	Grass, Annual or Perennial, Fair	84	69	96	108.68	104.50	98.78	38.33	20.57	6.51	1.00	0.20	52.14	86.90	104.28					
	2.40		S37	A	Open Brush, Fair	46	28	66	0.18	0.14	0.09	0.00	0.00	0.00	1.00	0.40	0.72	1.20	1.44					
	0.60		S37	B	Open Brush, Fair	66	46	84	0.19	0.17	0.15	0.01	0.00	0.00	1.00	0.30	0.18	0.30	0.36					
	57.20		S37	C	Open Brush, Fair	77	59	92	28.06	26.46	24.33	6.14	2.02	0.03	1.00	0.25	17.16	28.60	34.32					
	78.50		S37	D	Open Brush, Fair	83	67	96	47.50	45.55	42.90	15.76	8.04	2.19	1.00	0.20	23.55	39.25	47.10					
	13.90		S37	A	Woodland, Grass, Fair	44	26	64	0.80	0.58	0.35	0.00	0.00	0.00	1.00	0.40	4.17	6.95	8.34					
	2.40		S37	B	Woodland, Grass, Fair	65	45	83	0.71	0.64	0.55	0.02	0.00	0.00	1.00	0.30	0.72	1.20	1.44					
	9.20		S37	C	Woodland, Grass, Fair	77	59	92	4.51	4.26	3.91	0.99	0.32	0.00	1.00	0.25	2.76	4.60	5.52					
	49.30		S37	D	Woodland, Grass, Fair	82	66	95	28.85	27.59	25.89	8.97	4.32	0.98	1.00	0.20	14.79	24.65	29.58					
	2.90		S37	B	Fallow	86	72	97	1.93	1.87	1.78	0.77	0.45	0.18	1.00	0.30	0.87	1.45	1.74					
	35.20		S37	D	Fallow	94	85	99	29.83	29.41	28.80	18.92	14.86	10.31	1.00	0.20	10.56	17.60	21.12					
	0.30		S37	B	Orchards, Evergreen, Fair	65	45	83	0.09	0.08	0.07	0.00	0.00	0.00	1.00	0.30	0.09	0.15	0.18					
	0.30		S37	C	Orchards, Evergreen, Fair	77	59	92	0.15	0.14	0.13	0.03	0.01	0.00	1.00	0.25	0.09	0.15	0.18					
	0.40		S37	D	Orchards, Evergreen, Fair	82	66	95	0.23	0.22	0.21	0.07	0.04	0.01	1.00	0.20	0.12	0.20	0.24					
	1.30		S37	A	Row Crops, Good	67	47	85	0.42	0.38	0.34	0.02	0.00	0.00	1.00	0.40	0.39	0.65	0.78					
	8.70		S37	B	Row Crops, Good	78	61	93	4.43	4.19	3.87	1.04	0.38	0.02	1.00	0.30	2.61	4.35	5.22					
	3.00		S37	D	Row Crops, Good	89	76	98	2.20	2.14	2.06	1.05	0.70	0.36	1.00	0.20	0.90	1.50	1.80					
	11.10		S37	A	Residential 8-10 dwellings/acre	32	17	52	6.31	6.28	6.26	6.15	5.95	5.65	0.40	0.40	1.33	2.22	2.66					
	0.20		S37	C	Residential 5-7 dwellings/acre	69	50	86	0.13	0.13	0.12	0.11	0.10	0.09	0.50	0.25	0.03	0.05	0.06					
	1.90		S37	A	Grass, Annual or Perennial, Fair	50	31	70	0.21	0.17	0.12	0.00	0.00	0.00	1.00	0.40	0.57	0.95	1.14					
	111.90		S37	C	Grass, Annual or Perennial, Fair	79	62	93	59.02	55.99	51.91	14.90	5.84	0.51	1.00	0.25	33.57	55.95	67.14					
	0.70		S37	A	Orchards, Evergreen, Fair	44	26	64	0.04	0.03	0.02	0.00	0.00	0.00	1.00	0.40	0.21	0.35	0.42					
	1.30		S37	A	Chaparral, Broadleaf, Fair	40	23	60	0.04	0.02	0.01	0.00	0.00	0.00	1.00	0.40	0.39	0.65	0.78					
	0.10		S37	A	Fallow	77	59	92	0.05	0.05	0.04	0.01	0.00	0.00	1.00	0.40	0.03	0.05	0.06					
	1191.9				Low Loss Fraction (1-Y) =				0.420	0.440	0.467	0.639	0.716	0.781	1.000	F _m =	0.237	0.395	0.474	0.000				

PA-3&4 (Ultimate Conditions)

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	100											
						AMC			P_{24} (Inches)							5.63							
						II	I	III	AMC I/AMCII														
									> 5	5	2	HC	All										
12601	0.80	O-1	S26.3	C	Open Brush, Fair	77	59	92	0.39	0.37	0.34	0.09	0.03	0.00		1.00	0.25	0.24	0.40	0.48			
	2.90	O-2	S26.3	C	Open Brush, Fair	77	59	92	1.42	1.34	1.23	0.31	0.10	0.00		1.00	0.25	0.87	1.45	1.74			
	14.80	O-3	S26.3	C	Open Brush, Fair	77	59	92	7.26	6.85	6.30	1.59	0.52	0.01		1.00	0.25	4.44	7.40	8.88			
	0.10	O-3	S26.3	C	Residential 2.5 acre lots	69	50	86	0.04	0.04	0.04	0.03	0.02	0.01		0.90	0.25	0.03	0.05	0.05			
	0.10	O-4	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.05	0.04	0.04	0.01	0.00	0.00		1.00	0.25	0.03	0.05	0.06			
	11.70	O-4	S26.3	C	Open Brush, Fair	77	59	92	5.74	5.41	4.98	1.26	0.41	0.01		1.00	0.25	3.51	5.85	7.02			
	1.10	O-4	S26.3	C	Residential 2.5 acre lots	69	50	86	0.46	0.43	0.39	0.33	0.22	0.13		0.90	0.25	0.30	0.50	0.59			
	0.10	O-5	S26.3	A	Woodland, Grass, Fair	44	26	64	0.01	0.00	0.00	0.00	0.00	0.00		1.00	0.40	0.03	0.05	0.06			
	0.30	O-5	S26.3	B	Open Brush, Fair	66	46	84	0.09	0.08	0.07	0.00	0.00	0.00		1.00	0.30	0.09	0.15	0.18			
	1.40	O-5	S26.3	B	Residential 2.5 acre lots	56	36	76	0.35	0.32	0.28	0.22	0.15	0.12		0.90	0.30	0.38	0.63	0.76			
	0.60	O-5	S26.3	B	Woodland, Grass, Fair	65	45	83	0.18	0.16	0.14	0.01	0.00	0.00		1.00	0.30	0.18	0.30	0.36			
	1.00	O-5	S26.3	C	Chaparral, Broadleaf, Fair	75	57	91	0.45	0.43	0.39	0.08	0.02	0.00		1.00	0.25	0.30	0.50	0.60			
	8.30	O-5	S26.3	C	Open Brush, Fair	77	59	92	4.07	3.84	3.53	0.89	0.29	0.00		1.00	0.25	2.49	4.15	4.98			
	5.20	O-5	S26.3	C	Residential 2.5 acre lots	69	50	86	2.16	2.02	1.84	1.54	1.04	0.63		0.90	0.25	1.40	2.34	2.81			
	48.40					Low Loss Fraction (1-Y) =			0.532	0.559	0.596	0.869	0.942	0.981	1.000	$F_m =$	0.295	0.492	0.590	0.000			

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13830 to 13910 (Node 138)

Node	Area (acres)	Local Subarea	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	100								
						AMC			P ₂₄ (Inches)														
						II	I	III	AMC 1/AMCII										5.63				
	1.15		S38	A	Chaparral, Broadleaf, Fair	40	23	60	0.03	0.02	0.01	0.00	0.00	0.00		1.00	0.40	0.34	0.57	0.69			
	1.20		S38	B	Chaparral, Broadleaf, Fair	63	43	81	0.32	0.29	0.24	0.00	0.00	0.00		1.00	0.30	0.36	0.60	0.72			
	37.80		S38	C	Chaparral, Broadleaf, Fair	75	57	91	17.20	16.12	14.70	3.18	0.82	0.00		1.00	0.25	11.34	18.90	22.68			
	424.50		S38	D	Chaparral, Broadleaf, Fair	81	64	95	240.09	229.02	214.03	69.62	31.54	5.48		1.00	0.20	127.35	212.25	254.70			
	30.40		S38	A	Commercial, Industrial	32	17	52	25.92	0.00	0.00	25.27	24.44	23.19		0.10	0.40	0.91	1.52	1.82			
	0.00		S38	B	Commercial, Industrial	56	36	76	0.00	0.00	0.00	0.00	0.00	0.00		0.10	0.30	0.00	0.00	0.00			
	0.67		S38	D	Commercial, Industrial	75	57	91	0.60	0.60	0.59	0.58	0.55	0.52		0.10	0.20	0.02	0.03	0.04			
	10.89		S38	B	Fallow	86	72	97	7.26	7.02	6.68	2.90	1.71	0.68		1.00	0.30	3.27	5.45	6.53			
	99.47		S38	D	Fallow	94	85	99	84.30	83.10	81.39	53.45	42.02	29.03		1.00	0.20	29.84	49.73	59.68			
	13.10		S38	A	Grass, Annual or Perennial, Fair	50	31	70	1.45	1.18	0.86	0.00	0.00	0.00		1.00	0.40	3.93	6.55	7.86			
	21.71		S38	B	Grass, Annual or Perennial, Fair	69	50	86	7.72	7.09	6.28	0.66	0.01	0.00		1.00	0.30	6.51	10.86	13.03			
	39.91		S38	D	Grass, Annual or Perennial, Fair	84	69	96	24.96	24.00	22.68	8.80	4.73	1.47		1.00	0.20	11.97	19.96	23.95			
	42.58		S38	A	Open Brush, Fair	46	28	66	3.13	2.40	1.57	0.00	0.00	0.00		1.00	0.40	12.77	21.29	25.55			
	3.69		S38	B	Open Brush, Fair	66	46	84	1.14	1.04	0.90	0.05	0.00	0.00		1.00	0.30	1.11	1.84	2.21			
	76.50		S38	C	Open Brush, Fair	77	59	92	37.53	35.39	32.55	8.22	2.70	0.04		1.00	0.25	22.95	38.25	45.90			
	38.40		S38	D	Open Brush, Fair	83	67	96	23.23	22.28	20.98	7.71	3.94	1.05		1.00	0.20	11.52	19.20	23.04			
	17.46		S38	D	Orchards, Evergreen, Fair	82	66	95	10.22	9.77	9.17	3.18	1.53	0.34		1.00	0.20	5.24	8.73	10.48			
	3.37		S38	A	Public Park	32	17	52	0.48	0.00	0.00	0.47	0.45	0.43		0.85	0.40	0.86	1.43	1.72			
	10.87		S38	B	Public Park	56	36	76	3.17	2.94	2.65	2.20	1.61	1.38		0.85	0.30	2.77	4.62	5.54			
	41.60		S38	D	Public Park	75	57	91	22.00	20.96	19.59	17.20	12.94	8.83		0.85	0.20	10.61	17.68	21.21			
	9.70		S38	B	Residential 1 acre lots	56	36	76	3.20	3.00	2.76	2.38	1.86	1.64		0.80	0.30	2.33	3.88	4.66			
	1.40		S38	C	Residential 1 acre lots	69	50	86	0.66	0.63	0.59	0.51	0.39	0.28		0.80	0.25	0.34	0.56	0.67			
	131.37		S38	D	Residential 1 acre lots	75	57	91	72.70	69.60	65.46	58.27	45.36	32.81		0.80	0.20	31.53	52.55	63.06			
	3.00		S38	A	Residential 2 dwellings/acre	32	17	52	0.85	0.00	0.00	0.83	0.80	0.76		0.70	0.40	0.63	1.05	1.26			
	22.15		S38	B	Residential 2 dwellings/acre	56	36	76	9.02	8.61	8.10	7.30	6.20	5.63		0.70	0.30	4.65	7.75	9.30			
	19.37		S38	D	Residential 2 dwellings/acre	75	57	91	11.67	11.26	10.71	9.75	8.01	6.28		0.70	0.20	4.07	6.78	8.14			
	2.75		S38	B	Residential 2.5 acre lots	56	36	76	0.70	0.63	0.56	0.44	0.29	0.23		0.90	0.30	0.74	1.24	1.48			
	20.34		S38	D	Residential 2.5 acre lots	75	57	91	10.25	9.72	9.02	7.80	5.63	3.56		0.90	0.20	5.49	9.15	10.98			
	6.47		S38	A	Residential 3-4 dwellings/acre	32	17	52	2.45	0.00	0.00	2.39	2.31	2.19		0.60	0.40	1.16	1.94	2.33			
	98.16		S38	B	Residential 3-4 dwellings/acre	56	36	76	47.57	45.95	43.91	40.70	36.07	33.28		0.60	0.30	17.67	29.45	35.34			
	53.27		S38	D	Residential 3-4 dwellings/acre	75	57	91	34.73	33.72	32.38	30.02	25.69	21.26		0.60	0.20	9.59	15.98	19.18			
	0.02		S38	C	Row Crops, Good	85	70	97	0.01	0.01	0.01	0.00	0.00	0.00		1.00	0.25	0.01	0.01	0.01			
	11.30		S38	D	Row Crops, Good	89	76	98	8.27	8.05	7.75	3.94	2.62	1.35		1.00	0.20	3.39	5.65	6.78			
	2.01		S38	A	Woodland, Grass, Fair	44	26	64	0.12	0.08	0.05	0.00	0.00	0.00		1.00	0.40	0.60	1.00	1.21			
	1.92		S38	C	Woodland, Grass, Fair	77	59	92	0.94	0.89	0.82	0.21	0.07	0.00		1.00	0.25	0.58	0.96	1.15			
	4.99		S38	D	Woodland, Grass, Fair	82	66	95	2.92	2.79	2.62	0.91	0.44	0.10		1.00	0.20	1.50	2.50	2.99			
	1303.5					Low Loss Fraction (1-Y) =			0.450	0.495	0.525	0.717	0.797	0.861	1.000		F _m =	0.267	0.445	0.534	0.000		

RANCHO MISSION VIEJO

PA-3&4 (Ultimate Conditions)

Unit Hydrograph Method Loss Rate Parameter Development - Node 13900 to 14010 (Node 139)

Node	Area (acres)	Local Subarea	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	100										
						AMC			P ₂₄ (Inches)													
						II	I	III	AMC 1/AMCII						5.63							
	15.43		S39	A	Commercial, Industrial	32	17	52	13.16	0.00	0.00	12.83	12.41	11.77		0.10	0.40	0.46	0.77	0.93		
	1.33		S39	B	Commercial, Industrial	56	36	76	1.15	1.15	1.13	1.11	1.07	1.01		0.10	0.30	0.04	0.07	0.08		
	1.10		S39	A	Condominiums	32	17	52	0.68	0.00	0.00	0.66	0.64	0.61		0.35	0.40	0.12	0.19	0.23		
	25.76		S39	B	Condominiums	56	36	76	17.45	17.16	16.77	16.15	15.11	14.19		0.35	0.30	2.71	4.51	5.41		
	0.00		S39	D	Condominiums	75	57	91	0.00	0.00	0.00	0.00	0.00	0.00		0.35	0.20	0.00	0.00	0.00		
	3.90		S39	B	Fallow	86	72	97	2.60	2.51	2.39	1.04	0.61	0.24		1.00	0.30	1.17	1.95	2.34		
	60.25		S39	D	Fallow	94	85	99	51.06	50.33	49.30	32.37	25.45	17.58		1.00	0.20	18.07	30.12	36.15		
	23.82		S39	A	Open Brush, Fair	48	28	66	1.75	1.34	0.88	0.00	0.00	0.00		1.00	0.40	7.15	11.91	14.29		
	10.31		S39	D	Orchards, Evergreen, Fair	82	66	95	6.03	5.77	5.41	1.88	0.91	0.20		1.00	0.20	3.09	5.16	6.19		
	12.53		S39	A	Public Park	32	17	52	1.79	0.00	0.00	1.74	1.68	1.59		0.85	0.40	3.20	5.33	6.39		
	9.93		S39	B	Public Park	56	36	76	2.90	2.68	2.42	2.01	1.47	1.26		0.85	0.30	2.53	4.22	5.06		
	1.82		S39	D	Public Park	75	57	91	0.96	0.92	0.86	0.75	0.57	0.39		0.85	0.20	0.46	0.77	0.93		
	43.20		S39	D	Residential 1 acre lots	75	57	91	23.91	22.89	21.53	19.16	14.92	10.79		0.80	0.20	10.37	17.28	20.74		
	0.10		S39	A	Residential 2 dwellings/acre	32	17	52	0.03	0.00	0.00	0.03	0.03	0.03		0.70	0.40	0.02	0.04	0.04		
	1.03		S39	B	Residential 2 dwellings/acre	56	36	76	0.42	0.40	0.38	0.34	0.29	0.26		0.70	0.30	0.22	0.36	0.43		
	10.60		S39	D	Residential 2 dwellings/acre	75	57	91	6.39	6.16	5.86	5.34	4.39	3.44		0.70	0.20	2.23	3.71	4.45		
	2.43		S39	B	Residential 2.5 acre lots	56	36	76	0.61	0.56	0.49	0.39	0.25	0.21		0.90	0.30	0.66	1.09	1.31		
	17.32		S39	D	Residential 2.5 acre lots	75	57	91	8.73	8.28	7.68	6.64	4.79	3.03		0.90	0.20	4.68	7.79	9.35		
	4.10		S39	A	Residential 3-4 dwellings/acre	32	17	52	1.56	0.00	0.00	1.52	1.47	1.39		0.60	0.40	0.74	1.23	1.48		
	66.04		S39	B	Residential 3-4 dwellings/acre	56	36	76	32.01	30.91	29.54	27.38	24.27	22.39		0.60	0.30	11.89	19.81	23.78		
	24.80		S39	D	Residential 3-4 dwellings/acre	75	57	91	16.17	15.70	15.07	13.97	11.96	9.90		0.60	0.20	4.46	7.44	8.93		
	0.25		S39	A	Residential 5-7 dwellings/acre	32	17	52	0.12	0.00	0.00	0.12	0.11	0.11		0.50	0.40	0.04	0.06	0.08		
	8.30		S39	B	Residential 5-7 dwellings/acre	56	36	76	4.66	4.54	4.39	4.15	3.78	3.52		0.50	0.30	1.25	2.08	2.49		
	38.83		S39	D	Residential 5-7 dwellings/acre	75	57	91	27.23	26.59	25.73	24.21	21.39	18.40		0.50	0.20	5.82	9.71	11.65		
	10.60		S39	B	Residential 8-10 dwellings/acre	56	36	76	6.77	6.64	6.47	6.19	5.75	5.39		0.40	0.30	1.27	2.12	2.54		
	15.40		S39	D	Residential 8-10 dwellings/acre	75	57	91	11.56	11.34	11.05	10.53	9.54	8.45		0.40	0.20	1.85	3.08	3.70		
	2.40		S39	D	Row Crops, Poor	91	80	98	1.86	1.82	1.77	1.00	0.71	0.42		1.00	0.20	0.72	1.20	1.44		
	10.25		S39	A	School	32	17	52	3.89	0.00	0.00	3.78	3.66	3.47		0.60	0.40	1.84	3.07	3.69		
	3.40		S39	B	School	56	36	76	1.65	1.59	1.52	1.41	1.25	1.15		0.60	0.30	0.61	1.02	1.22		
	2.60		S39	A	Woodland, Grass, Fair	44	26	64	0.15	0.11	0.07	0.00	0.00	0.00		1.00	0.40	0.78	1.30	1.56		
	0.20		S39	B	Woodland, Grass, Fair	65	45	83	0.06	0.05	0.05	0.00	0.00	0.00		1.00	0.30	0.06	0.10	0.12		
	428.0					Low Loss Fraction (1-Y) =			0.422	0.487	0.508	0.540	0.606	0.670	1.000		F _m =	0.207	0.345	0.413	0.000	

RANCHO MISSION VIEJO
(Ultimate Conditions)

Unit Hydrograph Method Parameter Development Summary
100-year Expected Value Storm Event - Single Area

Node 1	Node 2	Regional Node	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
10100	11929	119	147.31	1.964	49495.7	0.298	0.376	1.000	0.000
10100	12606	126	153.46	2.046	50438.7	0.297	0.378	1.000	0.000
10100	12800	127	161.66	2.155	52666.0	0.291	0.382	1.000	0.000
13200	13222	132t	32.62	0.435	1127.6	0.248	0.491	1.000	0.000
13010	13222	132c	59.66	0.795	4924.4	0.244	0.515	1.000	0.000
13010	13308	133t	83.68	1.116	6638.2	0.239	0.476	1.000	0.000
10100	13308	133u	171.30	2.284	54417.5	0.290	0.382	1.000	0.000
10100	13308	133c	171.30	2.284	61055.8	0.285	0.392	1.000	0.000
13500	13700	134t	93.90	1.252	3859.7	0.284	0.408	1.000	0.000
10100	13700	134u	178.31	2.378	62747.4	0.284	0.392	1.000	0.000
10100	13700	134c	178.31	2.378	66607.1	0.284	0.393	1.000	0.000
10100	13803	137	186.96	2.493	67799.0	0.283	0.393	1.000	0.000
10100	13910	138	193.33	2.578	69102.7	0.282	0.394	1.000	0.000
10100	14010	139	196.84	2.625	69530.5	0.282	0.394	1.000	0.000

Notes:

- 1 TC is based on longest flowpath
- 2 Loss rates TDA was used in Unit Hydrograph analysis.
- 3 TDA was based on GIS extracted values and differences in decimal places results in cumulative minor differences when compared to RM TDA
- 4 Y-bar: The maximum allowed value in AES is 0.990.

RANCHO MISSION VIEJO
(Ultimate Conditions)

Unit Hydrograph Method Parameter Development Summary
100-year Expected Value Storm Event - Free Draining

Node 1	Node 2	Subarea	Regional Node	Hydrograph Node		T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar
				U/S Node	D/S Node					
10100	11929	S1-S25	119	10100	119	147.31	1.964	49495.7	0.298	0.376
810	12606	S26.1 PA4 Line E	126	810	126	13.76	0.183	171.0	0.174	0.374
920	12606	S26.2 PA4 Line F	126	920	126	16.16	0.215	553.8	0.254	0.434
600	12606	S26.3	126	600	126	21.69	0.289	218.2	0.290	0.711
320	331	S27.2 PA3 Line C-1	127	320	331	21.34	0.285	712.6	0.100	0.239
400	331	S27.2 PA3 Line C-2	127	400	331	17.96	0.239	462.5	0.135	0.311
390	331	S27.2 PA3 Line C Off	127	390	331	26.96	0.359	117.2	0.283	0.451
12710	12800	S27.3, S28.1	127	12710	127	30.08	0.401	935.0	0.294	0.584
50220	HZ50347	S29.1 PA5 Line XX	129.02	50220	HZ50347	22.84	0.305	1120.7	0.217	0.469
50400	12904	S29.2	129	50400	129	14.76	0.197	417.1	0.272	0.578
210	12904	S29.3 PA3 Line B	129	210	231	18.88	0.252	213.7	0.128	0.323
13010	13222	S30,S31,S32	132c	13010	132	59.66	0.795	4924.4	0.244	0.515
HZ31100	13308	S33	133	132	133	41.72	0.556	1713.9	0.225	0.363
RBF230	13700	S34	134	133	134	23.30	0.311	1691.6	0.243	0.431
13500	13700	S35, S36	134t	13500	134	93.87	1.252	3859.7	0.284	0.408
10200	13803	S37	137	134	137	30.11	0.401	1191.9	0.237	0.420
13830	13910	S38	138	137	138	37.63	0.502	1303.5	0.267	0.450
13900	14010	S39	139	138	139	18.01	0.240	428.0	0.207	0.422

Note: Used longest flowpath.

* For PA5 Line XX kept original area of 1120 acres and T_c from PACE model approved ROMP. The reference file corresponding to the modeled T_c for S29.1 PA5 Line XX could not be located. T_c and basin analysis will be updated when PA-5 ROMP is created for both

RANCHO MISSION VIEJO
(Ultimate Conditions)

Unit Hydrograph Method Parameter Development Summary
100-year Expected Value Storm Event - Single Basin Complex

Node 1	Node 2	Subarea	Regional Node	Hydrograph Node		T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar
				U/S Node	D/S Node					
10100	11929	S1-S25	119	10100	119	147.31	1.964	49495.7	0.298	0.376
810	12603	PA4 Line E	126.03	810	126	13.76	0.183	171.0	0.174	0.374
920	12606	PA4 Line F	126	920	126	16.16	0.215	553.8	0.254	0.434
600	12606	S26.3	126	600	126	21.70	0.289	218.2	0.290	0.711
320	331	S27.2 PA3 Line C-1	127	320	331	21.34	0.285	712.6	0.100	0.239
400	331	S27.2 PA3 Line C-2	127	400	331	17.96	0.239	462.5	0.135	0.311
390	331	S27.2 PA3 Line C Off	127	390	331	26.96	0.359	117.2	0.283	0.451
12710	12800	S27.3, S28.1	127	12710	127	30.18	0.402	935.0	0.294	0.584
50220	HZ50347	S29.1 PA5 Line XX	129.02	50220	HZ50347	22.84	0.305	1120.7	0.217	0.469
50400	12904	S29.2	129	50400	129	14.78	0.197	417.1	0.272	0.578
210	12904	S29.3 PA3 Line B	129	210	231	18.88	0.252	213.7	0.128	0.323
13010	13222	S30,S31,S32	132c	13010	132	59.66	0.795	4924.4	0.244	0.515
HZ31100	13308	S33	133 - S33	132	133	45.76	0.610	1713.9	0.225	0.363
RBF230	13700	S34	134	133	134	23.35	0.311	1691.6	0.243	0.431
13500	13700	S35, S36	134	13500	134	93.88	1.252	3859.7	0.284	0.408
10200	13803	S37	137	134	137	30.27	0.404	1191.9	0.237	0.420
13830	13910	s38	138	137	138	37.72	0.503	1303.5	0.267	0.450
13900	14010	s39	139	138	139	18.05	0.241	428.0	0.207	0.422

Note: Used longest flowpath

Tc for subareas with PA-3 and PA-4 are from before they enter the basins in the regional local rational method.

* For PA5 Line XX kept original area of 1120 acres and Tc from PACE model approved ROMP. The reference file corresponding to the modeled Tc for S29.1 PA5 Line XX could not be located. Tc and basin analysis will be updated when PA-5 ROMP is created for both

**RANCHO MISSION VIEJO
(Ultimate Conditions)**

**Unit Hydrograph Method Parameter Development Summary
50-year Expected Value Storm Event - Single Area**

Node 1	Node 2	Regional Node	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
10100	11929	119	153.19	2.043	49495.7	0.298	0.399	1.000	0.000
10100	12606	126	159.72	2.130	50438.7	0.297	0.401	1.000	0.000
10100	12800	127	168.40	2.245	52666.0	0.291	0.405	1.000	0.000
13200	13222	132t	33.25	0.443	1127.6	0.248	0.515	1.000	0.000
13010	13222	132c	61.54	0.821	4924.4	0.244	0.538	1.000	0.000
13010	13308	133t	86.49	1.153	6638.2	0.239	0.498	1.000	0.000
10100	13308	133u	178.57	2.381	54417.5	0.290	0.405	1.000	0.000
10100	13308	133c	178.57	2.381	61055.8	0.285	0.414	1.000	0.000
13500	13700	134t	96.68	1.289	3859.7	0.284	0.431	1.000	0.000
10100	13700	134u	185.97	2.480	62747.4	0.284	0.416	1.000	0.000
10100	13700	134c	185.97	2.480	66607.1	0.284	0.416	1.000	0.000
10100	13803	137	194.80	2.597	67799.0	0.283	0.416	1.000	0.000
10100	13910	138	200.76	2.677	69102.7	0.282	0.417	1.000	0.000
10100	14010	139	204.43	2.726	69530.5	0.282	0.417	1.000	0.000

Notes:

- 1 TC is based on longest flowpath
- 2 Loss rates TDA was used in Unit Hydrograph analysis.
- 3 TDA was based on GIS extracted values and differences in decimal places results in cumulative minor differences when compared to RM TDA
- 4 Y-bar: The maximum allowed value in AES is 0.990.

**RANCHO MISSION VIEJO
(Ultimate Conditions)**

**Unit Hydrograph Method Parameter Development Summary
50-year Expected Value Storm Event - Free Draining**

Node 1	Node 2	Subarea	Regional Node	Hydrograph Node		T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar
				U/S Node	D/S Node					
10100	11929	S1-S25	119	10100	119	153.19	2.043	49495.7	0.298	0.399
810	12606	S26.1 PA4 Line E	126	810	126	13.91	0.185	171.0	0.174	0.391
920	12606	S26.2 PA4 Line F	126	920	126	16.43	0.219	553.8	0.254	0.457
600	12606	S26.3	126	600	126	22.10	0.295	218.2	0.290	0.732
320	331	S27.2 PA3 Line C-1	127	320	331	21.70	0.289	712.6	0.100	0.252
400	331	S27.2 PA3 Line C-2	127	400	331	18.32	0.244	462.5	0.135	0.326
390	331	S27.2 PA3 Line C Off	127	390	331	27.45	0.366	117.2	0.283	0.475
12710	12800	S27.3, S28.1	127	12710	127	30.77	0.410	935.0	0.294	0.610
50220	HZ50347	S29.1 PA5 Line XX	129.02	50220	HZ50347	22.80	0.304	1120.7	0.217	0.490
50400	12904	S29.2	129	50400	129	14.97	0.200	417.1	0.272	0.598
210	12904	S29.3 PA3 Line B	129	210	231	19.16	0.255	213.7	0.128	0.337
13010	13222	S30,S31,S32	132c	13010	132	61.54	0.821	4924.4	0.244	0.538
HZ31100	13308	S33	133 - S33	132	133	42.92	0.572	1713.9	0.225	0.383
RBF230	13700	S34	134	133	134	23.75	0.317	1691.6	0.243	0.452
13500	13700	S35, S36	134t	13500	134	97.04	1.294	3859.7	0.284	0.431
10200	13803	S37	137	134	137	29.77	0.397	1191.9	0.237	0.440
13830	13910	S38	138	137	138	38.51	0.513	1303.5	0.267	0.495
13900	14010	S39	139	138	139	18.30	0.244	428.0	0.207	0.487

Note: Used longest flowpath

* For PA5 Line XX kept original area of 1120 acres and Tc from PACE model approved ROMP. The reference file corresponding to the modeled Tc for S29.1 PA5 Line XX could not be located. Tc and basin analysis will be updated when PA-5 ROMP is created for both

RANCHO MISSION VIEJO
(Ultimate Conditions)
Unit Hydrograph Method Parameter Development Summary
50-year Expected Value Storm Event - Single Basin Complex

Node 1	Node 2	Subarea	Regional Node	Hydrograph Node		T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar
				U/S Node	D/S Node					
10100	11929	S1-S25	119	10100	119	153.19	2.043	49495.7	0.298	0.40
810	12606	S26.1 PA4 Line E	126	810	126	13.91	0.185	171.0	0.174	0.391
920	12606	S26.2 PA4 Line F	126	920	126	16.43	0.219	553.8	0.254	0.457
600	12606	S26.3	126	600	126	22.11	0.295	218.2	0.290	0.732
320	331	S27.2 PA3 Line C-1	127	320	331	21.70	0.289	712.6	0.100	0.252
400	331	S27.2 PA3 Line C-2	127	400	331	18.32	0.244	462.5	0.135	0.326
390	331	S27.2 PA3 Line C Off	127	390	331	27.45	0.366	117.2	0.283	0.475
12710	12800	S27.3, S28.1	127	12710	127	30.88	0.412	935.0	0.294	0.610
50220	HZ50347	S29.1 PA5 Line XX	129.02	50220	HZ50347	22.80	0.304	1120.7	0.217	0.490
50400	12904	S29.2	129	50400	129	14.99	0.200	417.1	0.272	0.598
210	12904	S29.3 PA3 Line B	129	210	231	19.16	0.255	213.7	0.128	0.337
13010	13222	S30,S31,S32	132c	13010	132	61.54	0.821	4924.4	0.244	0.538
HZ31100	13308	S33	133 - S33	132	133	46.91	0.625	1713.9	0.225	0.383
RBF230	13700	S34	134	133	134	23.81	0.318	1691.6	0.243	0.452
13500	13700	S35, S36	134t	13500	134	97.04	1.294	3859.7	0.284	0.431
10200	13803	S37	137	134	137	30.99	0.413	1191.9	0.237	0.440
13830	13910	S38	138	137	138	38.61	0.515	1303.5	0.267	0.495
13900	14010	S39	139	138	139	18.35	0.245	428.0	0.207	0.487

Note: Used longest flowpath

Tc for subareas with PA-3 and PA-4 are from before they endter the basins in the regional local rational method.

* For PA5 Line XX kept original area of 1120 acres and Tc from PACE model approved ROMP. The reference file corresponding to the modeled Tc for S29.1 PA5 Line XX could not be located. Tc and basin analysis will be updated when PA-5 ROMP is created for both

**RANCHO MISSION VIEJO
(Ultimate Conditions)**

**Unit Hydrograph Method Parameter Development Summary
25-year Expected Value Storm Event - Single Area**

Node 1	Node 2	Regional Node	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
10100	11929	119	158.94	2.119	49495.7	0.298	0.433	1.000	0.000
10100	12606	126	165.84	2.211	50438.7	0.297	0.434	1.000	0.000
10100	12800	127	175.01	2.333	52666.0	0.291	0.438	1.000	0.000
13200	13222	132t	34.10	0.455	1127.6	0.248	0.546	1.000	0.000
13010	13222	132c	64.17	0.856	4924.4	0.244	0.567	1.000	0.000
13010	13308	133t	90.45	1.206	6638.2	0.239	0.526	1.000	0.000
10100	13308	133u	185.74	2.477	54417.5	0.290	0.439	1.000	0.000
10100	13308	133c	185.74	2.477	61055.8	0.285	0.448	1.000	0.000
13500	13700	134t	101.28	1.350	3859.7	0.284	0.463	1.000	0.000
10100	13700	134u	193.57	2.581	62747.4	0.284	0.448	1.000	0.000
10100	13700	134c	193.57	2.581	66607.1	0.284	0.449	1.000	0.000
10100	13803	137	203.15	2.709	67799.0	0.283	0.449	1.000	0.000
10100	13910	138	210.17	2.802	69102.7	0.282	0.450	1.000	0.000
10100	14010	139	214.02	2.854	69530.5	0.282	0.450	1.000	0.000

Notes:

- 1 TC is based on longest flowpath
- 2 Loss rates TDA was used in Unit Hydrograph analysis.
- 3 TDA was based on GIS extracted values and differences in decimal places
results in cumulative minor differences when compared to RM TDA
- 4 Y-bar: The maximum allowed value in AES is 0.990.

**RANCHO MISSION VIEJO
(Ultimate Conditions)**

**Unit Hydrograph Method Parameter Development Summary
25-year Expected Value Storm Event - Free Draining**

Node 1	Node 2	Subarea	Regional Node	Hydrograph Node		T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar
				U/S Node	D/S Node					
10100	11929	S1-S25	119	10100	119	158.94	2.119	49495.7	0.298	0.433
810	12606	S26.1 PA4 Line E	126	810	126	14.01	0.187	171.0	0.174	0.412
920	12606	S26.2 PA4 Line F	126	920	126	16.66	0.222	553.8	0.254	0.488
600	12606	S26.3	126	600	126	22.54	0.301	218.2	0.290	0.759
320	331	S27.2 PA3 Line C-1	127	320	331	21.97	0.293	712.6	0.100	0.268
400	331	S27.2 PA3 Line C-2	127	400	331	18.62	0.248	462.5	0.135	0.346
390	331	S27.2 PA3 Line C Off	127	390	331	27.95	0.373	117.2	0.283	0.507
12710	12800	S27.3, S28.1	127	12710	127	31.38	0.418	935.0	0.294	0.643
50220	HZ50347	S29.1 PA5 Line XX	129.02	50220	HZ50347	22.20	0.296	1120.7	0.217	0.518
50400	12904	S29.2	129	50400	129	15.19	0.203	417.1	0.272	0.624
210	12904	S29.3 PA3 Line B	129	210	231	19.31	0.257	213.7	0.128	0.356
13010	13222	S30,S31,S32	132c	13010	132	64.17	0.856	4924.4	0.244	0.567
HZ31100	13308	S33	133 - S33	132	133	44.21	0.589	1713.9	0.225	0.409
RBF230	13700	S34	134	133	134	24.11	0.322	1691.6	0.243	0.481
13500	13700	S35, S36	134t	13500	134	101.24	1.350	3859.7	0.284	0.463
10200	13803	S37	137	134	137	31.37	0.418	1191.9	0.237	0.467
13830	13910	S38	138	137	138	39.46	0.526	1303.5	0.267	0.525
13900	14010	S39	139	138	139	18.49	0.247	428.0	0.207	0.508

Note: Used longest flowpath

* For PA5 Line XX kept original area of 1120 acres and Tc from PACE model approved ROMP. The reference file corresponding to the modeled Tc for S29.1 PA5 Line XX could not be located. Tc and basin analysis will be updated when PA-5 ROMP is created for both

RANCHO MISSION VIEJO
(Ultimate Conditions)
Unit Hydrograph Method Parameter Development Summary
25-year Expected Value Storm Event - Single Basin Complex

Node 1	Node 2	Subarea	Regional Node	Hydrograph Node		T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar
				U/S Node	D/S Node					
10100	11929	S1-S25	119	10100	119	158.94	2.119	49495.7	0.298	0.433
810	12606	S26.1 PA4 Line E	126	810	126	14.01	0.187	171.0	0.174	0.412
920	12606	S26.2 PA4 Line F	126	920	126	16.66	0.222	553.8	0.254	0.488
600	12606	S26.3	126	600	126	22.55	0.301	218.2	0.290	0.759
320	331	S27.2 PA3 Line C-1	127	320	331	21.97	0.293	712.6	0.100	0.268
400	331	S27.2 PA3 Line C-2	127	400	331	18.62	0.248	462.5	0.135	0.346
390	331	S27.2 PA3 Line C Off	127	390	331	27.95	0.373	117.2	0.283	0.507
12710	12800	S27.3, S28.1	127	12710	127	31.50	0.420	935.0	0.294	0.643
50220	HZ50347	S29.1 PA5 Line XX	129.02	50220	HZ50347	22.20	0.296	1120.7	0.217	0.518
50400	12904	S29.2	129	50400	129	15.20	0.203	417.1	0.272	0.624
210	12904	S29.3 PA3 Line B	129	210	231	19.31	0.257	213.7	0.128	0.356
13010	13222	S30,S31,S32	132c	13010	132	64.17	0.856	4924.4	0.244	0.567
HZ31100	13308	S33	133 - S33	132	133	48.56	0.647	1713.9	0.225	0.409
RBF230	13700	S34	134	133	134	24.15	0.322	1691.6	0.243	0.481
13500	13700	S35, S36	134t	13500	134	101.25	1.350	3859.7	0.284	0.463
10200	13803	S37	137	134	137	31.52	0.420	1191.9	0.237	0.467
13830	13910	S38	138	137	138	39.54	0.527	1303.5	0.267	0.525
13900	14010	S39	139	138	139	18.52	0.247	428.0	0.207	0.508

Note: Used longest flowpath

T_c for subareas with PA-3 and PA-4 are from before they enter the basins in the regional local rational method.

* For PA5 Line XX kept original area of 1120 acres and T_c from PACE model approved ROMP. The reference file corresponding to the modeled T_c for S29.1 PA5 Line XX could not be located. T_c and basin analysis will be updated when PA-5 ROMP is created for both

**RANCHO MISSION VIEJO
(Ultimate Conditions)**

**Unit Hydrograph Method Parameter Development Summary
10-year Expected Value Storm Event - Single Area**

Node 1	Node 2	Regional Node	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
10100	11929	119	173.97	2.320	49495.7	0.298	0.746	1.000	0.000
10100	12606	126	181.86	2.425	50438.7	0.297	0.747	1.000	0.000
10100	12800	127	192.32	2.564	52666.0	0.291	0.742	1.000	0.000
13200	13222	132t	36.44	0.486	1127.6	0.248	0.742	1.000	0.000
13010	13222	132c	70.37	0.938	4924.4	0.244	0.727	1.000	0.000
13010	13308	133t	99.65	1.329	6638.2	0.239	0.699	1.000	0.000
10100	13308	133u	204.50	2.727	54417.5	0.290	0.737	1.000	0.000
10100	13308	133c	204.50	2.727	61055.8	0.285	0.734	1.000	0.000
13500	13700	134t	111.68	1.489	3859.7	0.284	0.760	1.000	0.000
10100	13700	134u	213.41	2.846	62747.4	0.284	0.732	1.000	0.000
10100	13700	134c	213.41	2.846	66607.1	0.284	0.734	1.000	0.000
10100	13803	137	224.22	2.990	67799.0	0.283	0.732	1.000	0.000
10100	13910	138	232.05	3.094	69102.7	0.282	0.732	1.000	0.000
10100	14010	139	236.37	3.152	69530.5	0.282	0.730	1.000	0.000

Notes:

- 1 TC is based on longest flowpath
- 2 Loss rates TDA was used in Unit Hydrograph analysis.
- 3 TDA was based on GIS extracted values and differences in decimal places results in cumulative minor differences when compared to RM TDA
- 4 Y-bar: The maximum allowed value in AES is 0.990.

**RANCHO MISSION VIEJO
(Ultimate Conditions)**

**Unit Hydrograph Method Parameter Development Summary
10-year Expected Value Storm Event - Free Draining**

Node 1	Node 2	Subarea	Regional Node	Hydrograph Node		T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar
				U/S Node	D/S Node					
10100	11929	S1-S25	119	10100	119	173.97	2.320	49495.7	0.298	0.746
810	12606	S26.1 PA4 Line E	126	810	126	14.36	0.191	171.0	0.174	0.548
920	12606	S26.2 PA4 Line F	126	920	126	17.31	0.231	553.8	0.254	0.750
600	12606	S26.3	126	600	126	23.86	0.318	218.2	0.290	0.905
320	331	S27.2 PA3 Line C-1	127	320	331	22.92	0.306	712.6	0.100	0.297
400	331	S27.2 PA3 Line C-2	127	400	331	19.48	0.260	462.5	0.135	0.385
390	331	S27.2 PA3 Line C Off	127	390	331	29.53	0.394	117.2	0.283	0.778
12710	12800	S27.3, S28.1	127	12710	127	33.42	0.446	935.0	0.294	0.899
50220	HZ50347	S29.1 PA5 Line XX	129.02	50220	HZ50347	24.30	0.324	1120.7	0.217	0.593
50400	12904	S29.2	129	50400	129	15.90	0.212	417.1	0.272	0.826
210	12904	S29.3 PA3 Line B	129	210	231	20.09	0.268	213.7	0.128	0.391
13010	13222	S30,S31,S32	132c	13010	132	70.37	0.938	4924.4	0.244	0.727
HZ31100	13308	S33	133 - S33	132	133	47.81	0.637	1713.9	0.225	0.618
RBF230	13700	S34	134	133	134	25.30	0.337	1691.6	0.243	0.699
13500	13700	S35, S36	134t	13500	134	111.64	1.489	3859.7	0.284	0.760
10200	13803	S37	137	134	137	33.18	0.442	1191.9	0.237	0.639
13830	13910	S38	138	137	138	42.02	0.560	1303.5	0.267	0.717
13900	14010	S39	139	138	139	19.34	0.258	428.0	0.207	0.540

Note: Used longest flowpath

* For PA5 Line XX kept original area of 1120 acres and Tc from PACE model approved ROMP. The reference file corresponding to the modeled Tc for S29.1 PA5 Line XX could not be located. Tc and basin analysis will be updated when PA-5 ROMP is created for both the Free

**RANCHO MISSION VIEJO
(Ultimate Conditions)**

**Unit Hydrograph Method Parameter Development Summary
10-year Expected Value Storm Event - Single Basin Complex**

Node 1	Node 2	Subarea	Regional Node	Hydrograph Node		T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar
				U/S Node	D/S Node					
10100	11929	S1-S25	119	10100	119	173.97	2.320	49495.7	0.298	0.746
810	12606	S26.1 PA4 Line E	126	810	126	14.36	0.191	171.0	0.174	0.548
920	12606	S26.2 PA4 Line F	126	920	126	17.31	0.231	553.8	0.254	0.750
600	12606	S26.3	126	600	126	23.88	0.318	218.2	0.290	0.905
320	331	S27.2 PA3 Line C-1	127	320	331	22.92	0.306	712.6	0.100	0.297
400	331	S27.2 PA3 Line C-2	127	400	331	19.48	0.260	462.5	0.135	0.385
390	331	S27.2 PA3 Line C Off	127	390	331	29.53	0.394	117.2	0.283	0.778
12710	12800	S27.3, S28.1	127	12710	127	33.58	0.448	935.0	0.294	0.899
50220	HZ50347	S29.1 PA5 Line XX	129.02	50220	HZ50347	24.30	0.324	1120.7	0.217	0.593
50400	12904	S29.2	129	50400	129	15.95	0.213	417.1	0.272	0.826
210	12904	S29.3 PA3 Line B	129	210	231	20.09	0.268	213.7	0.128	0.391
13010	13222	S30,S31,S32	132c	13010	132	70.37	0.938	4924.4	0.244	0.727
HZ31100	13308	S33	133 - S33	132	133	51.61	0.688	1713.9	0.225	0.618
RBF230	13700	S34	134	133	134	25.39	0.339	1691.6	0.243	0.699
13500	13700	S35, S36	134t	13500	134	111.64	1.489	3859.7	0.284	0.760
10200	13803	S37	137	134	137	33.45	0.446	1191.9	0.237	0.639
13830	13910	S38	138	137	138	42.15	0.562	1303.5	0.267	0.717
13900	14010	S39	139	138	139	19.40	0.259	428.0	0.207	0.540

Note: Used longest flowpath

Tc for subareas with PA-3 and PA-4 are from before they enter the basins in the regional local rational method.

* For PA5 Line XX kept original area of 1120 acres and Tc from PACE model approved ROMP. The reference file corresponding to the modeled Tc for S29.1 PA5 Line XX could not be located. Tc and basin analysis will be updated when PA-5 ROMP is created for both the Free

RANCHO MISSION VIEJO
(Ultimate Conditions)

Unit Hydrograph Method Parameter Development Summary
5-year Expected Value Storm Event - Single Area

Node 1	Node 2	Regional Node	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
10100	11929	119	248.10	3.308	49495.7	0.496	0.845	1.000	0.000
10100	12606	126	256.93	3.426	50438.7	0.495	0.845	1.000	0.000
10100	12800	127	268.53	3.580	52666.0	0.485	0.838	1.000	0.000
13200	13222	132t	41.45	0.553	1127.6	0.414	0.804	1.000	0.000
13010	13222	132c	73.98	0.986	4924.4	0.406	0.789	1.000	0.000
13010	13308	133t	110.71	1.476	6638.2	0.398	0.764	1.000	0.000
10100	13308	133u	276.72	3.690	54417.5	0.484	0.833	1.000	0.000
10100	13308	133c	276.72	3.690	61055.8	0.474	0.826	1.000	0.000
13500	13700	134t	163.46	2.180	3859.7	0.473	0.843	1.000	0.000
10100	13700	134u	287.02	3.827	62747.4	0.473	0.825	1.000	0.000
10100	13700	134c	287.02	3.827	66607.1	0.473	0.825	1.000	0.000
10100	13803	137	296.26	3.950	67799.0	0.471	0.823	1.000	0.000
10100	13910	138	305.93	4.079	69102.7	0.471	0.822	1.000	0.000
10100	14010	139	310.73	4.143	69530.5	0.470	0.822	1.000	0.000

Notes:

- 1 TC is based on longest flowpath
- 2 Loss rates TDA was used in Unit Hydrograph analysis.
- 3 TDA was based on GIS extracted values and differences in decimal places results in cumulative minor differences when compared to RM TDA
- 4 Y-bar: The maximum allowed value in AES is 0.990.

Rational Method

Unit Yield

**RANCHO MISSION VIEJO
(Ultimate Conditions)**

**Unit Hydrograph Method Parameter Development Summary
5-year Expected Value Storm Event - Free Draining**

Node 1	Node 2	Subarea	Regional Node	Hydrograph Node		T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar
				U/S Node	D/S Node					
10100	11929	S1-S25	119	10100	119	248.10	3.308	49495.7	0.496	0.845
810	12606	S26.1 PA4 Line E	126	810	126	15.20	0.203	171.0	0.290	0.598
920	12606	S26.2 PA4 Line F	126	920	126	18.99	0.253	553.8	0.424	0.818
600	12606	S26.3	126	600	126	23.50	0.313	218.2	0.483	0.944
320	331	S27.2 PA3 Line C-1	127	320	331	24.80	0.331	712.6	0.167	0.352
400	331	S27.2 PA3 Line C-2	127	400	331	21.28	0.284	462.5	0.225	0.447
390	331	S27.2 PA3 Line C Of	127	390	331	33.53	0.447	117.2	0.472	0.863
12710	12800	S27.3, S28.1	127	12710	127	27.75	0.370	935.0	0.491	0.953
50220	HZ50347	S29.1 PA5 Line XX	129.02	50220	HZ50347	33.97	0.453	1120.7	0.362	0.671
50400	12904	S29.2	129	50400	129	16.44	0.219	417.1	0.454	0.878
210	12904	S29.3 PA3 Line B	129	210	231	21.45	0.286	213.7	0.213	0.446
13010	13222	S30,S31,S32	132c	13010	132	73.98	0.986	4924.4	0.406	0.789
HZ31100	13308	S33	133 - S33	132	133	52.47	0.700	1713.9	0.375	0.691
RBF230	13700	S34	134	133	134	26.46	0.353	1691.6	0.406	0.767
13500	13700	S35, S36	134t	13500	134	163.46	2.180	3859.7	0.473	0.843
10200	13803	S37	137	134	137	33.01	0.440	1191.9	0.395	0.716
13830	13910	S38	138	137	138	45.50	0.607	1303.5	0.445	0.797
13900	14010	S39	139	138	139	19.11	0.255	428.0	0.345	0.606

Note: Used longest flowpath

* For PA5 Line XX kept original area of 1120 acres and Tc from PACE model approved ROMP. The reference file corresponding to the modeled Tc for S29.1 PA5 Line XX could not be located. Tc and basin analysis will be updated when PA-5 ROMP is created for

Notes:

- 1 TC is based on longest flowpath
- 2 Loss rates TDA was used in Unit Hydrograph analysis.
- 3 TDA was based on GIS extracted values and differences in decimal places results in cumulative minor differences when compared to RM TDA
- 4 Y-bar: The maximum allowed value in AES is 0.990.

Rational Method

Unit Yield

RANCHO MISSION VIEJO
(Ultimate Conditions)

Unit Hydrograph Method Parameter Development Summary
2-year Expected Value Storm Event - Single Area

Node 1	Node 2	Regional Node	T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar	S-Graph	
								Valley (Developed)	Valley (Undeveloped)
10100	11929	119	403.62	5.382	49495.7	0.595	0.931	1.000	0.000
10100	12606	126	416.54	5.554	50438.7	0.594	0.930	1.000	0.000
10100	12800	127	433.26	5.777	52666.0	0.582	0.921	1.000	0.000
13200	13222	132t	52.96	0.706	1127.6	0.496	0.844	1.000	0.000
13010	13222	132c	94.68	1.262	4924.4	0.487	0.830	1.000	0.000
13010	13308	133t	138.98	1.853	6638.2	0.478	0.810	1.000	0.000
10100	13308	133u	444.88	5.932	54417.5	0.581	0.915	1.000	0.000
10100	13308	133c	444.88	5.932	61055.8	0.569	0.905	1.000	0.000
13500	13700	134t	224.29	2.991	3859.7	0.567	0.908	1.000	0.000
10100	13700	134u	459.03	6.120	62747.4	0.567	0.903	1.000	0.000
10100	13700	134c	459.03	6.120	66607.1	0.567	0.903	1.000	0.000
10100	13803	137	471.61	6.288	67799.0	0.565	0.900	1.000	0.000
10100	13910	138	484.70	6.463	69102.7	0.565	0.899	1.000	0.000
10100	14010	139	491.19	6.549	69530.5	0.564	0.898	1.000	0.000

Notes:

- 1 TC is based on longest flowpath
- 2 Loss rates TDA was used in Unit Hydrograph analysis.
- 3 TDA was based on GIS extracted values and differences in decimal places results in cumulative minor differences when compared to RM TDA
- 4 Y-bar: The maximum allowed value in AES is 0.990.

Rational Method
 Unit Yield

RANCHO MISSION VIEJO
(Ultimate Conditions)

Unit Hydrograph Method Parameter Development Summary
2-year Expected Value Storm Event - Free Draining

Node 1	Node 2	Subarea	Regional Node	Hydrograph Node		T _c (minutes)	Lag (hours)	TDA (acres)	F _m (in/hr)	Y-bar
				U/S Node	D/S Node					
10100	11929	S1-S25	119	10100	119	403.62	5.382	49495.7	0.595	0.931
810	12606	S26.1 PA4 Line E	126	810	126	16.53	0.220	171.0	0.348	0.638
920	12606	S26.2 PA4 Line F	126	920	126	21.88	0.292	553.8	0.509	0.862
600	12606	S26.3	126	600	126	32.28	0.430	218.2	0.580	0.966
320	331	S27.2 PA3 Line C-1	127	320	331	26.98	0.360	712.6	0.201	0.412
400	331	S27.2 PA3 Line C-2	127	400	331	23.62	0.315	462.5	0.270	0.508
390	331	S27.2 PA3 Line C Off	127	390	331	43.22	0.576	117.2	0.566	0.925
12710	12800	S27.3, S28.1	127	12710	127	35.45	0.473	935.0	0.589	0.980
50220	HZ50347	S29.1 PA5 Line XX	129.02	50220	HZ50347	32.04	0.427	1120.7	0.434	0.737
50400	12904	S29.2	129	50400	129	19.24	0.257	417.1	0.545	0.912
210	12904	S29.3 PA3 Line B	129	210	231	23.19	0.309	213.7	0.256	0.498
13010	13222	S30,S31,S32	132c	13010	132	94.68	1.262	4924.4	0.487	0.830
HZ31100	13308	S33	133 - S33	132	133	71.08	0.948	1713.9	0.449	0.752
RBF230	13700	S34	134	133	134	29.27	0.390	1691.6	0.487	0.818
13500	13700	S35, S36	134t	13500	134	224.29	2.991	3859.7	0.567	0.908
10200	13803	S37	137	134	137	41.15	0.549	1191.9	0.474	0.781
13830	13910	S38	138	137	138	69.21	0.923	1303.5	0.534	0.861
13900	14010	S39	139	138	139	21.63	0.288	428.0	0.413	0.670

Note: Used longest flowpath

* For PA5 Line XX kept original area of 1120 acres and Tc from PACE model approved ROMP. The reference file corresponding to the modeled Tc for S29.1 PA5 Line XX could not be located. Tc and basin analysis will be updated when PA-5 ROMP is created for both

Notes:

- 1 TC is based on longest flowpath
- 2 Loss rates TDA was used in Unit Hydrograph analysis.
- 3 TDA was based on GIS extracted values and differences in decimal places results in cumulative minor differences when compared to RM TDA
- 4 Y-bar: The maximum allowed value in AES is 0.990.

Rational Method

Unit Yield