FEMA Effective Model as of June 18, 2007

TC&R values for FEMA Effective Model

Willow Creek Watershed

HCFCD TC&R Excel Template

Subwatershed	Drainage Area (acres)	Drainage Area (sq.mi.)	Watershed Length (mi.) L	Length to Centroid(mi.) Lca	Channel Slope(ft./mi) S	Overland Slope(ft./mi.) So	D	Percent Urban Development 2002 DLU	Percent Channel Improvement DCI	Percent Channel Conveyance DCC	Percent Ponding DPP	DLU affected by Detention DET	Percent Impervious 2002	(TC+R)''	TC''	R''	DLU Minimum	DLU *(Detention)*
M100A_B	1484.0	2.32	2.81	1.52	10.11	37.00	3.79	19.10	0	10	0	0.32	3	6.65	1.67	4.97	446.65	19.10
M100C	1019.9	1.59	1.24	0.81	11.80	15.00	2.46	17.20	60	20	0	11.38	4	3.54	0.38	3.16	168.69	17.20
M128A	1949.9	3.05	3.81	2.22	18.90	46.00	5.12	32.80	0	10	0	1.67	9	6.61	2.36	4.25	446.65	32.80
M1000J	1153.9	1.80	2.82	1.73	21.00	26.40	3.79	21.50	0	20	0	1.41	8	5.15	1.30	3.85	168.69	21.50
M1000I	1670.7	2.61	3.50	1.67	17.12	62.25	5.12	14.20	0	20	0	1.42	4	6.45	1.90	4.54	168.69	14.20
M100D	1382.2	2.16	1.82	1.27	5.17	19.00	2.46	32.40	100	20	0	2.24	12	6.20	0.67	5.53	168.69	32.40
M124A	1262.4	1.97	1.62	0.78	13.28	89.00	5.12	35.50	0	20	0	8.36	14	4.09	0.93	3.16	168.69	35.50
M124B_C	1435.1	2.24	2.73	1.61	7.00	43.00	5.12	32.60	0	20	0	0.86	12	7.40	2.84	4.56	168.69	32.60
M100E	2231.3	3.49	3.70	2.00	5.04	39.00	3.79	20.90	75	20	0	0.65	9	10.31	2.14	8.18	168.69	20.90
M100F1	758.3	1.18	2.39	0.55	11.43	42.00	5.12	31.50	0	10	0	5.51	17	5.68	0.70	4.98	446.65	31.50
M100F2	2398.8	3.75	4.70	2.82	4.75	45.60	5.12	36.60	0	50	0	6.10	20	12.47	6.28	6.19	46.56	36.60
M100F3	948.1	1.48	1.61	0.84	3.96	44.10	5.12	22.10	100	100	0	21.50	14	6.16	1.10	5.07	17.59	17.59
M116A_C	1965.9	3.07	3.29	1.66	14.93	37.30	3.79	29.90	0	60	0	12.21	12	6.47	1.46	5.01	36.04	29.90
M100G	1673.5	2.61	3.32	1.65	5.54	58.28	5.12	18.50	0	20	0	8.76	8	9.24	3.38	5.86	168.69	18.50
M112A	1053.3	1.65	2.15	0.96	7.89	61.00	5.12	36.10	0	10	0	3.39	10	5.99	1.53	4.46	446.65	36.10
M112B_C	1706.8	2.67	3.59	2.29	19.81	49.10	5.12	39.30	0	50	0	1.83	21	6.23	2.35	3.88	46.56	39.30
M100H	1499.1	2.34	3.16	1.34	4.96	45.60	5.12	20.40	0	30	0	6.30	8	9.28	2.88	6.40	95.43	20.40
M109B	989.9	1.55	2.18	1.07	16.22	72.70	5.12	45.10	85	70	0	12.41	11	4.30	0.72	3.59	29.03	32.69
M109A	1184.4	1.85	3.01	1.69	21.23	65.80	5.12	34.40	100	100	0	16.62	9	5.26	0.94	4.31	17.59	17.78
M100I	997.9	1.56	2.21	1.01	7.61	77.30	5.12	49.10	0	30	0	2.89	19	6.19	1.61	4.58	95.43	49.10
M104A	1242.8	1.94	2.99	1.58	10.48	77.10	5.12	10.60	0	80	0	11.04	5	6.86	2.34	4.52	24.06	10.60
M100J	601.8	0.94	2.11	1.07	10.34	62.70	5.12	21.60	0	30	0	6.96	7	5.39	1.53	3.86	95.43	21.60
M108A_B	1133.9	1.77	2.68	1.40	11.31	58.70	5.12	33.40	55	40	0	2.17	12	6.18	1.42	4.76	63.71	33.40
M100K	2680.1	4.19	4.48	2.25	6.90	70.20	5.12	33.10	20	60	0	2.29	13	10.57	3.70	6.87	36.04	33.10
M101A_B	1143.3	1.79	3.51	1.55	15.54	61.30	5.12	36.10	0	60	0	5.94	21	6.65	1.77	4.88	36.04	36.04