FEMA Effective Model as of June 18, 2007

TC&R values for FEMA Effective Model

Cypress & Little Cypress Creek

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 Convevance DCC	Percent Ponding DPP	DLU affected by Detention DET	Percent Impervious 2002	(TC+R)"	TC"	R"	DLU Minimum	DLU *(Detention)*	Ponding Adjustments for Storage Values (R")					
																			20% (5-Yr)	10% (100-Yr)	4% (25-Yr)	2% (50-Yr)	1% (100-Yr)	0.2% (500-Yr)
k100a	4850.2	7.58	5.99	3.45	8.92	40.93	5.12	11	0	100	6	0	3	11.85	5.84	6.01	17.59	10.80	6.01	6.01	6.01	6.01	6.01	6.01
k100b	2676.1	4.18	4.45	3.07	5.42	42.90	5.12	0	0	100	10	0	2	11.46	6.87	4.59	17.59	0.00	4.59	4.59	4.59	4.59	4.59	4.59
k100c	6025.1	9.41	5.92	2.89	15.74	29.09	3.79	0	0	100	2	0	0	9.62	2.71	6.90	17.59	0.00	6.90	6.90	6.90	6.90	6.90	6.90
k100d	6778.9	10.59	6.40	2.27	5.67	13.11	2.46	0	0	100	13	0	1	14.56	2.34	12.23	17.59	0.00	12.23	12.23	12.23	12.23	12.23	12.23
k100f	5373.6	8.40	5.55	3.00	6.64	10.08	2.46	0	0	100	40	0	0	12.46	2.89	9.57	17.59	0.00	27.60	25.52	22.48	20.70	18.84	15.38
k100g	2303.8	3.60	3.65	1.76	5.36	8.30	2.46	0	37	100	1	0	2	10.00	1.54	8.45	17.59	0.00	8.45	8.45	8.45	8.45	8.45	8.45
k100h	1959.6	3.06	3.83	1.93	2.42	13.17	2.46	1	0	100	100	0	0	13.68	3.09	10.59	17.59	0.60	37.16	33.88	29.09	26.34	23.53	18.41
k100i	643.2	1.01	1.84	0.94	10.50	28.42	3.79	1	0	100	100	0	0	4.87	1.02	3.85	17.59	0.80	13.50	12.31	10.57	9.57	8.55	6.69
k100j	3480.3	5.44	5.81	2.49	8.88	17.56	2.46	6	0	100	50	0	2	11.62	2.01	9.61	17.59	5.90	29.07	26.78	23.44	21.50	19.48	15.74
k100k	2220.7	3.47	3.96	1.50	14.97	34.44	3.79	2	0	100	50	0	2	7.37	1.39	5.99	17.59	2.30	18.12	16.69	14.61	13.40	12.14	9.81
k100l	3016.0	4.71	5.19	2.82	11.67	30.31	3.79	4	0	100	50	2	3	9.74	3.07	6.68	17.59	3.70	20.20	18.61	16.29	14.94	13.54	10.93
k100m	2546.0	3.98	4.04	2.04	1.77	27.56	3.79	27	0	10	0	3	18	15.89	5.67	10.22	446.65	26.60	10.22	10.22	10.22	10.22	10.22	10.22
k100n1	2175.5	3.40	4.18	1.58	2.20	42.07	5.12	45	0	20	0	16	21	15.06	5.03	10.04	168.69	44.90	10.04	10.04	10.04	10.04	10.04	10.04
k100n2	1708.4	2.67	3.22	1.60	2.20	49.90	5.12	60	0	30	0	2	25	12.53	4.92	7.61	95.43	60.00	7.61	7.61	7.61	7.61	7.61	7.61
k100o1	1618.4	2.53	2.31	1.49	3.92	37.57	3.79	52	0	40	0	9	28	8.08	2.52	5.56	63.71	52.40	5.56	5.56	5.56	5.56	5.56	5.56
k100o2	1571.0	2.45	4.05	1.99	2.89	52.18	5.12	61	0	40	0	11	26	13.37	5.35	8.02	63.71	60.80	8.02	8.02	8.02	8.02	8.02	8.02
k100p	2069.3	3.23	4.74	2.08	2.11	38.72	3.79	53	0	60	0	29	31	16.61	5.18	11.43	36.04	36.04	11.43	11.43	11.43	11.43	11.43	11.43
k100q	3124.9	4.88	4.10	1.42	1.79	48.66	5.12	64	0	60	0	15	33	12.80	4.94	7.86	36.04	49.58	7.86	7.86	7.86	7.86	7.86	7.86
k100r	2585.6	4.04	4.19	1.73	6.34	19.71	2.46	60	0	40	0	12	33	10.38	1.47	8.91	63.71	59.70	8.91	8.91	8.91	8.91	8.91	8.91
k100s1	983.9	1.54	2.10	1.12	6.34	31.20	3.79	64	0	40	0	3	29	6.37	1.41	4.96	63.71	63.70	4.96	4.96	4.96	4.96	4.96	4.96
k100s2	4418.0	6.90	4.98	2.35	7.92	28.36	3.79	72	0	60	0	8	38	7.32	2.76	4.56	36.04	63.82	4.56	4.56	4.56	4.56	4.56	4.56
k100t	1635.2	2.56	3.25	1.36	2.50	39.07	3.79	58	0	80	0	3	41	6.82	2.90	3.92	24.06	54.95	3.92	3.92	3.92	3.92	3.92	3.92
k100u	2415.8	3.77	4.00	1.50	5.28	48.92	5.12	33	0	70	0	1	19	9.97	3.07	6.89	29.03	31.96	6.89	6.89	6.89	6.89	6.89	6.89
k100v	1484.9	2.32	3.27	1.91	4.22	47.47	5.12	40	0	70	0	1	20	8.15	4.39	3.76	29.03	39.15	3.76	3.76	3.76	3.76	3.76	3.76
k100x	2887.1	4.51	4.70	2.34	1.58	25.67	3.79	40	0	70	0	3	21	15.27	6.81	8.46	29.03	37.68	8.46	8.46	8.46	8.46	8.46	8.46
k111a1	2931.4	4.58	2.94	0.98	6.90	9.37	2.46	38	100	100	0	9	26	5.47	0.44	5.03	17.59	29.36	5.03	5.03	5.03	5.03	5.03	5.03
k111a2	1813.1	2.83	3.44	1.65	7.40	25.05	3.79	50	100	100	0	2	35	4.29	1.07	3.22	17.59	47.84	3.22	3.22	3.22	3.22	3.22	3.22
k111a3	1948.0	3.04	3.39	2.02	10.00	27.86	3.79	12	100	100	0	0	5	7.62	1.28	6.34	17.59	12.30	6.34	6.34	6.34	6.34	6.34	6.34
k111a4	1244.8	1.95	3.30	1.14	4.70	37.29	3.79	31	100	90	0	4	17	7.87	0.99	6.88	20.39	27.48	6.88	6.88	6.88	6.88	6.88	6.88
k112a	2288.4	3.58	3.12	1.70	17.40	14.77	2.46	43	100	100	0	1	20	3.26	0.47	2.80	17.59	41.49	2.80	2.80	2.80	2.80	2.80	2.80
k116a	1132.1	1.77	3.21	1.68	20.60	44.82	5.12	57	0	90	0	2	32	2.87	1.60	1.27	20.39	54.92	1.27	1.27	1.27	1.27	1.27	1.27
k120a	2835.7	4.43	5.49	2.76	13.46	15.01	2.46	44	0	80	0	19	24	9.20	1.73	7.46	24.06	25.41	7.46	7.46	7.46	7.46	7.46	7.46
k120b	2466.8	3.85	4.40	2.58	14.76	38.32	3.79	53	0	70	0	21	31	7.46	2.34	5.13	29.03	31.70	5.13	5.13	5.13	5.13	5.13	5.13
k124a	2764.6	4.32	4.56	2.12	13.70	15.85	2.46	44	0	90	0	16	20	6.62	1.29	5.33	20.39	28.45	5.33	5.33	5.33	5.33	5.33	5.33
k124b	1625.9	2.54	3.40	1.47	9.50	35.58	3.79	44	0	100	0	25	22	7.30	1.67	5.63	17.59	18.90	5.63	5.63	5.63	5.63	5.63	5.63
k124c	796.7	1.24	2.04	1.17	8.40	68.31	5.12	54	0	100	0	11	26	3.07	1.80	1.27	17.59	42.50	1.27	1.27	1.27	1.27	1.27	1.27
k131a1	3136.7	4.90	2.60	1.55	5.81	33.47	3.79	17	100	100	0	17	10	7.65	1.27	6.38	17.59	17.10	6.38	6.38	6.38	6.38	6.38	6.38
k131a2	1378.9	2.15	3.56	1.61	15.84	37.60	3.79	55	100	90	0	15	28	4.22	0.71	3.51	20.39	39.67	3.51	3.51	3.51	3.51	3.51	3.51
k131b	4425.4	6.91	6.03	3.36	12.67	17.85	2.46	45	20	80	0	7	22	7.64	1.95	5.69	24.06	37.97	5.69	5.69	5.69	5.69	5.69	5.69
k131c	415.4	0.65	2.11	1.00	15.84	53.32	5.12	55	0	100	0	12	30	2.50	1.09	1.41	17.59	42.87	1.41	1.41	1.41	1.41	1.41	1.41
k133a	3469.6	5.42	5.22	2.74	12.62	26.92	3.79	48	100	100	0	32	22	9.39	1.53	7.86	17.59	17.59	7.86	7.86	7.86	7.86	7.86	7.86
k140a	3331.2	5.21	6.16	3.03	11.05	46.70	5.12	30	0	90	0	24	14	11.08	4.46	6.62	20.39	20.39	6.62	6.62	6.62	6.62	6.62	6.62
k142a	4668.2	7.29	3.57	1.47	11.60	37.24	3.79	23	0	40	0	17	9	7.50	1.49	6.01	63.71	23.10	6.01	6.01	6.01	6.01	6.01	6.01
k142b	2877.8	4.50	4.73	2.03	7.90	42.89	5.12	68	100	100	0	23	31	5.41	1.74	3.67	17.59	45.64	3.67	3.67	3.67	3.67	3.67	3.67
k145a	4952.3	7.74	6.77	3.74	7.00	14.40	2.46	34	50	60	0	19	13	14.08	2.56	11.52	36.04	33.70	11.52	11.52	11.52	11.52	11.52	11.52
k150a	3998.7	6.25	5.08	2.95	6.19	6.91	2.46	18	0	100	100	0	2	11.84	2.86	8.99	17.59	17.60	31.54	28.76	24.69	22.36	19.97	15.62
k152a	1219.2	1.91	1.81	0.44	4.69	27.78	3.79	19	0	100	30	5	10	6.32	0.67	5.65	17.59	17.59	15.32	14.22	12.63	11.69	10.71	8.85
k155a	2670.1	4.17	6.02	2.87	15.31	23.87	3.79	16	0	100	12	0	5	9.83	2.64	7.18	17.59	16.30	7.18	7.18	7.18	7.18	7.18	7.18
k157a	3923.2	6.13	5.56	2.44	8.17	20.42	3.79	22	0	100	40	1	8	10.14	3.07	7.07	17.59	21.04	20.38	18.85	16.60	15.28	13.91	11.35
k157b	1476.6	2.31	3.55	1.43	10.56	24.30	3.79	20	0	100	12	0	3	6.98	1.53	5.45	17.59	20.00	5.45	5.45	5.45	5.45	5.45	5.45
k159a	2276.9	3.56	3.70	2.36	11.41	50.16	5.12	42	10	100	1	21	20	6.71	3.21	3.51	17.59	21.23	3.51	3.51	3.51	3.51	3.51	3.51
k160a	3043.5	4.76	6.03	2.63	10.22	11.71	2.46	37	0	100	30	0	11	6.72	1.86	4.85	17.59	37.40	13.17	12.23	10.85	10.05	9.20	7.61
k160b	749.3	1.17	3.36	1.98	14.21	47.86	5.12	15	0	100	0	0	2	6.68	2.51	4.17	17.59	15.20	4.17	4.17	4.17	4.17	4.17	4.17
k160c	2123.2	3.32	5.74	2.61	12.77	27.20	3.79	16	0	100	20	0	1	10.13	2.64	7.49	17.59	16.10	18.65	17.42	15.64	14.58	13.47	11.34
k160d	1204.2	1.88	3.30	1.94	14.18	20.11	3.79	1	0	100	11	0	0	6.61	1.88	4.73	17.59	1.00	4.73	4.73	4.73	4.73	4.73	4.73
k166a	4203.2	6.57	5.25	2.46	9.87	42.98	5.12	11	0	100	3	0	7	10.42	3.88	6.54	17.59	10.90	6.54	6.54	6.54	6.54	6.54	6.54
k166b	3842.7	6.00	6.11	3.44	12.96	47.89	5.12	7	0	100	14	0	4	10.53	4.81	5.72	17.59	6.60	5.72	5.72	5.72	5.72	5.72	5.72
k166c	2323.4	3.63	4.14	1.72	14.71	36.46	3.79	23	0	100	3	2	12	6.70	1.55	5.15	17.59	20.98	5.15	5.15	5.15	5.15	5.15	5.15
k166d	2846.6	4.45	4.85	2.06	22.29	33.73	3.79	22	0	100	0	0	11	6.31	1.51	4.80	17.59	21.78	4.80	4.80	4.80	4.80	4.80	4.80
k166e	1320.6	2.06	3.10	1.40	19.65	60.34	5.12	35	0	100	0	0	18	3.49	1.41	2.08	17.59	34.88	2.08	2.08	2.08	2.08	2.08	2.08
k166f	2146.9	3.35	3.40	1.76	5.48	44.09	5.12	11	0	100	1	0	2	9.44	3.70	5.74	17.59	11.10	5.74	5.74	5.74	5.74	5.74	5.74
k166g	3510.0	5.48	5.80	3.17	13.71	46.53	5.12	42	0	100	3	0	11	5.49	4.01	1.48	17.59	41.50	1.48	1.48	1.48	1.48	1.48	1.48
k166h	2575.4	4.02	6.10	3.62	6.62	44.72	5.12	25	0	100	16	0	2	10.26	7.01	3.25	17.59	25.40	3.25	3.25	3.25	3.25	3.25	3.25
k172a	4486.2	7.01	7.18	3.61	8.80	12.63	2.46	13	0	100	11	0	1	13.53	2.96	10.57	17.59	12.70	10.57	10.57	10.57	10.57	10.57	10.57
l100a1	806.1	1.26	3.20	1.70	11.42	15.80	2.46	66	0	10	10	0	31	6.98	1.04	5.94	446.65	66.10	12.73	12.02	11.00	10.39	9.74	8.47
l100a2	1913.8	2.99	3.93	1.72	2.64	2.64	2.46	19	0	30	70	0	7	13.53	2.51	11.02	95.43	19.00	35.82	32.84	28.47	25.95	23.35	18.57
l100b	2575.1	4.02	5.64	2.42	5.70	31.83	3.79	34	0	40	10	3	14	13.30	3.60	9.70	63.71	33.60	20.97	19.78	18.09	17.07	15.99	13.88
l100c	2716.2	4.24	3.98	1.87	7.60	34.03	3.79	9	0	30	0	0	2	9.39	2.47	6.92	95.43	9.30	6.92	6.92	6.92	6.92	6.92	6.92
l100d	3581.8	5.60	4.89	2.48	10.40	27.34	3.79	22	0	30	0	7	7	9.73	2.75	6.98	95.43	22.40	6.98	6.98	6.98	6.98	6.98	6.98
l100e	4280.2	6.69	5.65	2.66	4.40	14.78	2.46	33	0	30	0	12	9	14.59	2.97	11.62	95.43	32.60	11.62	11.62	11.62	11.62	11.62	11.62
l100f	3363.2	5.26	5.79	2.81	4.10	12.85	2.46	49	0	40	0	13	23	15.23	3.17	12.06	63.71	48.60	12.06	12.06	12.06	12.06	12.06	12.06
l112a	4260.2	6.66	5.70	3.56	18.70	38.41	3.79	21	0	30	4	4	5	8.82	2.97	5.85	95.43	20.50	10.14	9.72	9.15	8.79	8.41	7.66
l114a	2631.2	4.11	4.59	2.21	12.70	26.00	3.79	27	0	30	7	0	8	8.67	2.17	6.50	95.43	27.00	12.91	12.26	11.33	10.77	10.17	8.99
l114b	3086.5	4.82	5.40	2.13	10.66	16.66	2.46	28	0	40	40	0	7	10.34	1.48	8.86	63.71	27.60	25.55	23.62	20.80	19.16	17.44	14.23
l120a	2601.3	4.06	4.41	2.74	5.60	9.05	2.46	23	0	30	80	0	11	11.26	2.75	8.51	95.43	23.00	28.47	26.04	22.50	20.46	18.36	14.51
l120b	1650.2	2.58	4.47	2.44	2.64	2.64	2.46	13	0	30	100	0	4	14.80	3.69	11.11	95.43	12.50	38.99	35.56	30.52	27.65	24.69	19.32