



FEMA Effective Model as of June 18, 2007

TC&R values for FEMA Effective Model

Ship Channel Watershed

HCFCF 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)
G100A	1264.6	1.98	3.85	2.09	0.40	5.00	2.46	64.20	100.00	100.00	0.00	0.00	65.48	10.65	3.90	6.75	17.59	64.20
G100B	3441.9	5.38	6.57	2.99	0.40	5.00	2.46	70.00	100.00	100.00	0.00	0.95	61.47	14.77	5.58	9.19	17.59	69.05
G100C	937.0	1.46	2.58	1.16	0.40	5.00	2.46	76.00	100.00	100.00	0.00	3.35	76.47	7.38	2.01	5.37	17.59	72.65
G100D	922.2	1.44	2.12	0.78	0.40	5.00	2.46	56.00	100.00	100.00	0.00	0.00	56.97	7.67	1.41	6.26	17.59	56.00
G100E	1614.7	2.52	2.39	0.71	0.40	5.00	2.46	65.00	100.00	100.00	0.00	0.26	65.79	7.55	1.24	6.32	17.59	64.74
G100F	1021.4	1.60	3.31	1.68	0.40	5.00	2.46	55.50	49.82	100.00	0.00	0.00	66.49	10.55	4.73	5.83	17.59	55.50
G100G	1607.0	2.51	2.23	0.73	0.40	5.00	2.46	25.00	100.00	100.00	0.00	0.00	35.50	13.72	1.49	12.24	17.59	25.00
G100H	2357.8	3.68	3.85	1.53	0.40	5.00	2.46	55.20	66.06	100.00	0.00	0.00	62.60	11.79	3.82	7.97	17.59	55.20
G100I	2570.9	4.02	3.70	1.71	0.40	5.00	2.46	62.60	52.36	100.00	0.00	0.00	65.34	10.53	4.62	5.91	17.59	62.60
G100J	394.2	0.62	1.29	0.61	0.40	5.00	2.46	7.30	100.00	100.00	0.00	0.00	72.65	11.97	1.30	10.66	17.59	7.30
G10404A	620.8	0.97	2.16	1.02	14.80	12.39	2.46	34.51	4.65	100.00	0.00	0.00	19.51	3.01	0.55	2.46	17.59	34.51
G10408A	488.3	0.76	1.97	1.08	6.64	2.91	2.46	46.27	100.00	100.00	0.00	0.10	30.05	3.08	0.47	2.61	17.59	46.17
G10409A	91.5	0.14	1.22	0.65	9.40	10.96	2.46	65.75	100.00	100.00	0.00	0.00	41.80	1.53	0.21	1.32	17.59	65.75
G104A	707.8	1.11	1.93	0.88	7.82	3.11	2.46	79.89	100.00	100.00	0.00	7.50	51.24	2.11	0.31	1.80	17.59	72.39
G104B	63.4	0.10	1.50	0.77	1.90	1.90	2.46	93.50	100.00	60.00	0.00	0.00	83.26	4.02	0.52	3.50	36.04	93.50
G104C	107.5	0.17	1.55	0.90	7.20	7.20	2.46	91.13	100.00	60.00	0.00	0.40	81.13	2.62	0.31	2.31	36.04	90.73
G104D	464.0	0.73	1.39	0.26	0.49	7.56	2.46	92.83	13.10	100.00	0.00	0.00	82.57	3.78	0.65	3.13	17.59	92.83
G104E	263.7	0.41	1.11	0.62	2.21	7.92	2.46	92.83	0.00	100.00	0.00	0.00	78.07	1.89	0.81	1.08	17.59	92.83
G104F	313.6	0.49	1.66	0.69	4.22	9.67	2.46	72.16	0.00	100.00	0.00	0.00	59.97	2.37	0.67	1.70	17.59	72.16
G10501A	257.9	0.40	1.73	0.88	11.10	6.40	2.46	42.10	100.00	60.00	0.00	4.50	30.40	4.41	0.30	4.12	36.04	37.60
G10504A	540.2	0.84	1.63	0.53	5.00	3.46	2.46	48.70	100.00	60.00	0.00	26.60	37.70	5.76	0.27	5.49	36.04	36.04
G105A	958.1	1.50	1.76	0.59	8.00	5.88	2.46	68.00	100.00	60.00	0.00	0.40	42.60	3.37	0.21	3.17	36.04	67.60
G105B	326.4	0.51	1.80	0.85	12.10	7.08	2.46	60.20	100.00	50.00	0.00	13.80	30.30	4.55	0.26	4.28	46.56	46.56
G105C	248.3	0.39	1.22	0.34	5.60	5.08	2.46	3.60	100.00	70.00	0.00	6.30	3.30	4.54	0.17	4.36	29.03	3.60
G108A	577.9	0.90	1.29	0.48	1.40	6.01	2.46	84.13	100.00	100.00	0.00	0.00	53.52	2.64	0.39	2.25	17.59	84.13
G108B	636.8	1.00	1.38	0.47	3.80	3.70	2.46	84.35	100.00	100.00	0.00	0.00	53.32	1.94	0.22	1.72	17.59	84.35
G108C	353.3	0.55	1.02	0.24	4.60	4.47	2.46	40.30	15.13	100.00	11.19	0.00	27.59	2.41	0.20	2.20	17.59	40.30
G108D	160.0	0.25	0.73	0.45	9.60	9.18	2.46	1.10	0.00	100.00	0.00	0.00	0.99	2.62	0.32	2.30	17.59	1.10
G108E	209.9	0.33	1.58	0.73	7.40	11.69	2.46	33.57	74.31	100.00	0.00	0.00	24.59	3.15	0.38	2.78	17.59	33.57
G109A	565.1	0.88	2.71	1.35	3.16	12.33	2.46	79.67	17.30	100.00	0.00	0.00	0.00	3.46	1.42	2.04	17.59	79.67
G110A	636.8	1.00	1.65	0.72	0.90	3.17	2.46	88.91	100.00	100.00	0.00	0.00	53.28	3.52	0.74	2.78	17.59	88.91
G110B	392.3	0.61	2.54	1.65	5.40	10.30	2.46	72.34	75.62	100.00	1.88	0.00	51.45	2.92	0.92	2.00	17.59	72.34
G110C	49.9	0.08	0.60	0.17	10.90	63.00	5.12	15.00	0.00	70.00	0.00	0.00	9.91	2.16	0.22	1.95	29.03	15.00
G112A	553.0	0.86	1.91	0.80	8.80	3.53	2.46	67.59	100.00	100.00	0.00	0.00	40.90	2.11	0.27	1.84	17.59	67.59
G112B	465.3	0.73	1.58	0.71	5.20	5.79	2.46	85.45	64.98	100.00	0.00	0.00	52.40	1.89	0.40	1.49	17.59	85.45
G112C	237.4	0.37	1.44	0.77	8.90	15.90	2.46	91.97	68.78	100.00	0.00	0.00	57.80	1.40	0.31	1.09	17.59	91.97