



FEMA Effective Model as of June 18, 2007

TC&R values for FEMA Effective Model

Buffalo Bayou 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)
W100A	838.4	1.31	2.51	0.79	16.14	16.14	2.46	49.32	100	50	0	1.33	37.77	5.09	0.21	4.88	46.56	47.99
W100B	1619.2	2.53	2.87	1.16	18.13	8.98	2.46	52.45	100	100	0	7.69	39.22	2.88	0.30	2.58	17.59	44.76
W100C	3353.6	5.24	3.29	0.53	3.51	8.98	2.46	77.44	100	90	0	1.36	52.93	4.36	0.27	4.09	20.39	76.08
W100D	889.6	1.39	2.01	0.82	1.29	17.42	2.46	87.87	100	80	0	0.04	58.14	4.47	0.70	3.77	24.06	87.83
W100E	1811.2	2.83	2.92	0.91	4.23	10.03	2.46	71.65	15	40	0	0.00	54.43	8.58	0.83	7.75	63.71	71.65
W100F	742.4	1.16	2.29	1.11	13.73	13.73	2.46	91.63	100	30	0	0.64	58.42	5.15	0.27	4.88	95.43	91.63
W100G	940.8	1.47	3.60	1.26	5.38	8.45	2.46	85.83	100	50	0	0.00	51.08	6.51	0.52	5.99	46.56	85.83
W100H	1030.4	1.61	4.30	2.37	10.07	12.14	2.46	77.24	100	80	0	9.21	43.87	4.40	0.79	3.61	24.06	68.03
W100I	1177.6	1.84	2.96	1.32	1.95	18.48	2.46	84.31	100	80	0	0.00	47.25	5.21	0.95	4.26	24.06	84.31
W100J	889.6	1.39	3.29	1.19	4.00	12.14	2.46	78.21	0	70	0	0.00	44.98	5.22	1.21	4.01	29.03	78.21
W100K	2681.6	4.19	4.01	1.96	2.25	12.14	2.46	71.97	100	90	0	0.00	51.64	6.10	1.41	4.69	20.39	71.97
W100L	1792.0	2.80	3.19	1.25	2.24	13.20	2.46	74.87	100	90	0	0.06	52.52	5.07	0.87	4.20	20.39	74.81
W100M	4416.0	6.90	6.77	2.44	1.81	7.92	2.46	73.17	55	70	0	0.00	49.16	12.04	2.89	9.15	29.03	73.17
W100N	3776.0	5.90	4.95	1.70	2.16	8.98	2.46	83.09	100	70	0	0.00	62.79	8.31	1.18	7.13	29.03	83.09
W100O	6732.8	10.52	6.07	2.63	1.56	6.86	2.46	72.41	106	90	0	0.00	56.24	9.25	2.19	7.06	20.39	72.41
W129A	1542.4	2.41	3.77	1.22	1.58	1.58	2.46	86.46	100	30	0	0.00	66.16	15.76	0.97	14.79	95.43	86.46
W138A	1369.6	2.14	3.88	1.89	14.26	14.26	2.46	84.82	93	30	0	0.00	55.65	7.39	0.52	6.88	95.43	84.82
W139A	908.8	1.42	3.04	1.34	1.58	1.58	2.46	82.59	100	30	0	0.00	56.17	13.51	1.09	12.43	95.43	82.59
W140A	1081.6	1.69	5.14	2.75	10.03	10.03	2.46	71.91	100	40	0	1.58	45.18	9.55	0.92	8.63	63.71	70.33
W140B	1459.2	2.28	5.14	2.05	10.48	7.39	2.46	89.27	100	100	0	1.35	57.65	3.33	0.61	2.72	17.59	87.92
W140C	1760.0	2.75	3.55	1.21	4.43	6.86	2.46	86.67	100	30	0	2.90	58.20	10.48	0.55	9.93	95.43	86.67
W140D	1254.4	1.96	3.89	1.67	19.45	11.62	2.46	88.95	100	30	0	0.00	56.03	6.63	0.35	6.28	95.43	88.95
W140E	1395.2	2.18	3.64	1.79	15.95	12.67	2.46	85.42	100	80	0	0.00	53.04	2.85	0.43	2.42	24.06	85.42
W141A	1216.0	1.90	3.57	1.35	13.73	13.73	2.46	92.13	100	30	0	0.00	45.23	7.06	0.33	6.72	95.43	92.13
W142A	800.0	1.25	2.84	1.4	14.26	14.26	2.46	85.32	100	30	0	1.66	63.97	5.93	0.35	5.58	95.43	85.32
W145A	1363.2	2.13	3.83	1.68	10.56	10.56	2.46	82.66	100	30	0	5.55	62.25	8.15	0.50	7.64	95.43	82.66
W147A	1094.4	1.71	2.94	1.51	13.73	13.73	2.46	79.56	71	40	0	1.19	57.79	5.35	0.52	4.83	63.71	78.37
W151A	1555.2	2.43	3.79	1.49	1.08	12.14	2.46	81.16	100	80	0	0.69	50.40	7.89	1.50	6.40	24.06	80.47
W156A	1779.2	2.78	3.38	1.54	8.95	6.86	2.46	81.74	100	90	0	1.99	61.67	3.10	0.51	2.59	20.39	79.75
W156B	1177.6	1.84	3.14	1.55	11.45	13.73	2.46	90.84	100	80	0	0.24	59.38	2.77	0.43	2.35	24.06	90.60
W167A	819.2	1.28	2.00	0.91	2.49	26.40	3.79	67.39	100	100	0	2.01	52.47	3.47	0.94	2.53	17.59	65.38
W167B	3513.6	5.49	8.18	4.09	4.73	3.70	2.46	61.11	100	60	0	18.05	48.12	16.29	2.33	13.95	36.04	43.06
W170A	1600.0	2.50	6.29	2.54	7.83	8.45	2.46	49.82	65	90	0	7.69	43.26	7.77	1.42	6.35	20.39	42.13
W190A	6796.8	10.62	12.48	8.54	2.55	3.17	2.46	8.54	100	100	0	0.36	5.98	30.94	8.00	22.94	17.59	8.54