



FEMA Effective Model as of November 4, 2016

TC&R values for FEMA Effective Model

White Oak Bayou Watershed

HCFC D 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)
E100A	1924.8	3.01	2.65	1.78	2.11	5.00	2.46	75.70	87	50	0	5.55	23.50	8.38	1.50	6.88	46.56	70.15
E100B	1120.4	1.75	2.26	1.21	4.61	5.00	2.46	68.00	46	100	0	5.66	13.40	3.14	0.92	2.22	17.59	62.34
E100C	1386.2	2.17	2.72	1.10	5.38	5.00	2.46	75.80	100	70	0	18.27	23.80	5.07	0.51	4.56	29.03	57.53
E100D	1847.7	2.89	2.70	1.07	3.29	5.00	2.46	75.63	100	80	0	11.71	44.98	4.90	0.63	4.27	24.06	63.92
E100E1	893.6	1.40	1.81	0.67	7.44	5.00	2.46	64.69	100	90	0	35.77	39.08	4.24	0.28	3.95	20.39	28.93
E100E2	1307.6	2.04	1.87	1.33	5.78	5.00	2.46	79.40	77	70	0	55.35	19.80	6.03	0.80	5.23	29.03	29.03
E100F	684.4	1.07	1.82	0.71	1.85	5.00	2.46	44.18	100	50	0	10.38	28.72	8.92	0.60	8.32	46.56	44.18
E100G	593.1	0.93	1.56	0.49	5.94	5.00	2.46	58.53	100	50	0	2.90	32.61	4.67	0.21	4.46	46.56	55.63
E100H	1660.3	2.59	4.50	2.13	5.78	5.00	2.46	62.88	100	60	0	1.06	40.17	7.78	0.97	6.81	36.04	61.82
E100I	1901.4	2.97	3.65	1.58	3.80	5.00	2.46	59.70	100	80	0	2.38	19.90	6.20	0.91	5.29	24.06	57.32
E100J	2528.4	3.95	4.35	1.74	4.09	5.00	2.46	72.90	100	100	0	0.08	24.10	4.69	0.90	3.79	17.59	72.82
E100K	2197.3	3.43	2.80	1.82	12.14	5.00	2.46	91.40	100	20	0	0.36	32.70	6.21	0.49	5.73	168.69	91.40
E100L	1460.3	2.28	1.68	0.70	7.79	5.00	2.46	92.50	100	100	0	0.00	47.90	1.62	0.22	1.40	17.59	92.50
E100M	2159.5	3.37	2.66	1.48	8.64	5.00	2.46	90.60	100	100	0	0.25	37.10	2.20	0.47	1.73	17.59	90.35
E100N	1886.5	2.95	3.16	1.51	5.35	5.00	2.46	86.70	100	100	0	0.00	35.10	3.02	0.63	2.39	17.59	86.70
E100O	1171.7	1.83	2.58	1.38	12.60	5.00	2.46	87.60	100	100	0	0.00	30.30	1.93	0.36	1.56	17.59	87.60
E100P	763.8	1.19	2.07	0.80	9.60	5.00	2.46	78.80	100	100	0	0.00	26.70	1.95	0.24	1.71	17.59	78.80
E101A	2209.0	3.45	4.14	1.67	4.89	4.41	2.46	69.60	100	60	0	0.70	24.50	7.23	0.80	6.43	36.04	68.90
E101B	1484.8	2.32	2.63	1.71	9.75	6.62	2.46	74.50	100	70	0	1.23	25.50	3.40	0.56	2.84	29.03	73.27
E101C	2761.5	4.31	3.13	1.57	8.45	5.88	2.46	84.60	100	30	0	0.86	30.80	7.64	0.52	7.12	95.43	84.60
E101D	1317.9	2.06	2.59	1.36	8.47	4.51	2.46	83.10	100	60	0	0.41	32.90	3.78	0.45	3.33	36.04	82.69
E101E	1655.0	2.59	2.25	1.23	5.28	1.59	2.46	86.40	100	60	0	0.37	34.20	3.94	0.51	3.42	36.04	86.03
E101F	1170.2	1.83	2.93	0.93	5.80	5.56	2.46	89.00	100	50	0	0.04	24.70	5.35	0.36	4.99	46.56	88.96
E101G	1693.3	2.65	2.65	1.42	10.20	8.77	2.46	93.60	100	50	0	0.00	29.60	3.94	0.41	3.54	46.56	93.60
E101H	1800.0	2.81	4.23	2.01	4.95	4.61	2.46	86.10	100	50	0	0.00	29.10	7.50	0.90	6.60	46.56	86.10
E115A	3737.4	5.84	2.63	1.84	7.40	7.20	2.46	70.70	90	70	0	11.25	30.70	4.32	0.81	3.51	29.03	59.45
E115B	3705.5	5.79	5.23	2.63	6.10	8.60	2.46	84.10	100	90	0	1.07	41.40	4.70	1.08	3.62	20.39	83.03
E117A	3344.8	5.23	4.89	2.15	3.90	8.10	2.46	64.00	91	80	0	21.80	32.30	9.30	1.42	7.88	24.06	42.20
E117B	1707.5	2.67	2.84	1.20	4.82	10.40	2.46	70.90	67	80	0	13.24	36.50	4.76	0.78	3.98	24.06	57.66
E117C	1125.9	1.76	2.64	1.08	5.50	7.90	2.46	75.70	58	100	0	9.01	34.60	3.15	0.68	2.48	17.59	66.69
E121A	2748.4	4.29	5.33	2.12	5.10	10.00	2.46	68.50	80	80	0	4.58	26.90	6.79	1.23	5.56	24.06	63.92
E121B	2398.2	3.75	3.49	1.67	5.50	10.00	2.46	66.60	100	70	0	2.18	21.90	5.54	0.77	4.78	29.03	64.42
E122A	1569.6	2.45	3.07	1.44	5.28	6.00	2.46	42.30	28	100	0	6.81	24.90	5.45	1.21	4.23	17.59	35.49
E122B	1222.9	1.91	2.91	1.34	2.64	6.00	2.46	66.20	100	100	0	0.42	22.10	4.42	0.89	3.53	17.59	65.78
E124A	999.7	1.56	2.26	1.58	7.40	10.00	2.46	68.20	63	100	0	8.28	25.50	2.74	0.85	1.88	17.59	59.92
E125A	1534.8	2.40	3.74	1.79	8.90	8.80	2.46	61.00	21	50	0	17.09	17.90	8.48	1.17	7.31	46.56	46.56
E127A	1434.6	2.24	3.11	1.46	7.45	6.00	2.46	69.80	79	50	0	10.89	31.20	6.76	0.70	6.07	46.56	58.91
E132A	1963.3	3.07	3.01	1.92	8.98	10.00	2.46	75.70	68	40	0	7.26	19.40	6.93	0.89	6.05	63.71	68.44
E135A	1539.4	2.41	4.34	2.27	4.72	6.00	2.46	64.90	81	80	0	15.37	35.80	7.17	1.44	5.73	24.06	49.53
E141A	1264.3	1.98	2.71	1.87	2.64	6.00	2.46	61.50	81	100	0	29.05	15.70	6.78	1.68	5.10	17.59	32.45
E141B	880.5	1.38	2.63	1.24	2.64	6.00	2.46	63.70	100	100	0	31.09	13.30	6.62	0.94	5.68	17.59	32.61
E200A	276.8	0.43	1.44	0.94	4.12	5.00	2.46	48.66	100	100	0	17.58	30.37	3.81	0.55	3.26	17.59	31.08