

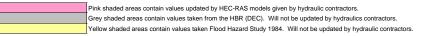
FEMA Effective Model as of June 18, 2007 TC&R values for FEMA Effective Model Clear Creek and Armand Bayou Watershed HCFCD TC&R Excel Template

Subwatershed	<u>Drainage</u> <u>Area</u>	Drainage Area	Watershed Length (mi.)	Length to Centroid(mi.)	Channel Slope(ft./mi)	Overland Slope(ft./mi.)	D	Percent Urban Development 2002	Percent Channel	Percent Channel Conveyance DCC	Percent Ponding DPP	DLU affected by Detention	Percent Impervious 2002	(TC+R)"	TC"	<u>R"</u>	DLU	DLU	Ponding Adjustments for Storage Values (R")					
<u></u>	(acres)	(sq.mi.)	Length (mi.)	Lca	S	So	_	DLU	Improvement DCI			DET			1	<u></u>	Minimum	(Detention)	20% (5-Yr)	10% (100-Yr)	4% (25-Yr)	2% (50-Yr)	1% (100-Yr)	0.2% (500-Yr)
A100A	2056.3	3.21	3.06	1.23	7.4	11.00	2.46	1.3	0.0	100	86	2.7	0.9	7.88	1.06	6.82	17.59	1.30	23.19	21.19	18.27	16.59	14.86	11.71
A100B	1416.3	2.21	3.35	1.74	1.4	5.00	2.46	13.6	100.0	60	59	6.8	9.2	15.10	2.00	_		13.60	41.06	37.74	32.88	30.07	27.15	21.76
A100C A100D	1418.9 1060.5	2.22 1.66	2.54	0.86	3.8 4.4	3.00 8.00	2.46	20.4 11.9	0.0	20 100	27 70	3.1 21.1	14.3 4.5	8.73 7.19	0.99			20.40 11.90	20.54 20.20	19.10 18.52	17.01 16.06	15.77 14.64	14.48 13.17	12.03 10.48
A100E	2366.7	3.70	4.82	2.82	3.8	5.00	2.46	1.3	0.0	100	98	2.1	1.0	13.73	3.62	10.11	_	1.30	35.33	32.22	27.68	25.08	22.41	17.54
A100F	2149.1	3.36	2.77	0.95	2.8	6.00	2.46	17.4	0.0	10	23	0.4	15.5	10.34	1.30	9.04	446.65	17.40	23.16	21.59	19.31	17.96	16.54	13.84
A100G	2048.6	3.20	2.87	1.44	3	3.00	2.46	16.0	0.0	20	15	2.6	11.6	10.35	1.97	8.38	168.69	16.00	8.38	8.38	8.38	8.38	8.38	8.38
A100H A100I	2474.2 1170.6	3.87 1.83	3.32 3.56	1.66 1.48	1.9 1.9	4.00	2.46	3.6 53.9	0.0 74.2	100 100	94	3.0 10.5	3.2 24.2	13.48 7.58	2.97 1.59	10.51 5.99	17.59 17.59	3.60 43.36	36.41 17.46	33.23 16.13	28.58 14.19	25.91 13.05	23.17 11.87	18.18 9.66
A100J	4339.8	6.78	4.71	1.42	2.9	8.00	2.46	17.5	0.0	20	8	3.1	12.6	14.87	1.96			17.50	12.92	12.92	12.92	12.92	12.92	12.92
A100K	4236.8	6.62	4.53	1.70	1.9	5.00	2.46	31.6	0.0	20	18	2.8	21.4	16.80	2.89	13.91	168.69	31.60	13.91	13.91	13.91	13.91	13.91	13.91
A100L A100M	3868.2 3440.6	6.04	3.42 6.69	0.95 3.32	1.4 1.8	6.00 3.00	2.46	27.8 20.8	63.2 74.7	30 30	46 18	10.2	16.6 9.6	15.33	1.31 4.10	14.02 18.44		27.80	41.68	38.46	33.74	30.99 18.44	28.13 18.44	22.81 18.44
A100M A100N	1360.0	5.38 2.13	4.98	2.05	1.9	16.00	2.46	24.1	25.1	20	1	14.6 14.5	12.3	22.54 17.96	3.17			20.80	18.44 14.79	18.44 14.79	18.44 14.79	14.79	14.79	14.79
A100O	576.0	0.90	2.89	1.36	0.9	6.00	2.46	52.0	0.0	40	0	3.9	26.9	15.91	3.27			52.00	12.64	12.64	12.64	12.64	12.64	12.64
A100P	2964.5	4.63	4.94	1.71	1	9.00	2.46	40.1	67.8	40	5	8.0	23.4	22.40	2.74	_	_	40.10	19.65	19.65	19.65	19.65	19.65	19.65
A100Q A100R	1838.7 5166.1	2.87 8.07	3.13 5.49	1.18 2.56	3.9	7.00	2.46	16.0 30.8	0.0 0.0	60 70	1	0.0 0.1	10.7 24.1	16.24 14.25	2.85 3.06	13.39		16.00 30.71	13.39 11.20	13.39 11.20	13.39	13.39 11.20	13.39 11.20	13.39 11.20
A100K A100S	781.4	1.22	2.23	1.30	4.9	13.00	2.46	52.7	0.0	70	4	0.0	45.6	4.82	1.26		29.03	52.70	3.57	3.57	3.57	3.57	3.57	3.57
A100T	1622.4	2.54	2.00	1.28	4.6	11.00	2.46	48.5	0.0	100	0	0.0	41.0	3.43	1.30		17.59	48.50	2.13	2.13	2.13	2.13	2.13	2.13
A100U	1076.5	1.68	1.35	0.28	3.6	18.00	2.46	44.9	22.6	90	0	0.0	33.7	3.29	0.26		_	44.90	3.03	3.03	3.03	3.03	3.03	3.03
A10404A A10407A	1781.8 1815.0	2.78 2.84	3.14 5.19	0.94 2.47	10.7 3.5	5.00 2.00	2.46	16.3 25.5	34.0 72.5	90	0	1.6 1.4	16.1 20.8	7.04 11.89	0.54 2.11	6.50 9.77	20.39 17.59	16.30 24.09	6.50 9.77	6.50 9.77	6.50 9.77	6.50 9.77	6.50 9.77	6.50 9.77
A10407A A10413A	2036.5	3.18	3.86	2.47	1.7	2.00	2.46	67.3	100.0	100	0	1.4	53.4	6.33	1.82	4.50	17.59	65.36	4.50	4.50	4.50	4.50	4.50	4.50
A104A	1998.7	3.12	4.38	2.32	1.8	7.00	2.46	32.9	72.2	100	0	0.1	24.1	10.83	2.75	_	17.59	32.76	8.07	8.07	8.07	8.07	8.07	8.07
A104B	318.7	0.50	1.90	0.98	1.2	8.00	2.46	24.1	0.0	100	0	1.4	43.0	8.88	2.09		17.59	22.75	6.79	6.79	6.79	6.79	6.79	6.79
A104C A104D	672.0 1805.4	1.05 2.82	1.45 2.70	0.44 0.99	2.5 3.8	8.00 13.00	2.46	11.4 44.9	0.0 0.0	100 100	0	0.0 0.2	28.0 43.7	6.81 4.78	0.62 1.10		17.59 17.59	11.40 44.71	6.19 3.69	6.19 3.69	6.19 3.69	6.19 3.69	6.19 3.69	6.19 3.69
A107A	1312.0	2.02	2.06	0.80	1.4	9.00	2.46	71.1	67.8	100	0	0.2	52.8	4.76	0.93	3.17	17.59	71.10	3.17	3.17	3.09	3.17	3.17	3.17
A107B	1301.1	2.03	2.79	1.53	1.4	9.00	2.46	39.3	15.4	100	0	0.1	30.4	7.60	2.77	4.83		39.23	4.83	4.83	4.83	4.83	4.83	4.83
A111A	2572.2	4.02	5.23	2.78	6.2	10.00	2.46	23.5	62.8	100	15	3.8	20.5	11.20	1.91	9.29	17.59	19.67	9.29	9.29	9.29	9.29	9.29	9.29
A118A A11902A	782.1 896.6	1.22 1.40	2.11 3.15	0.98 1.69	8.3 3.1	7.00 9.00	2.46	57.9 11.6	85.0 0.0	100 100	17 21	10.7 2.5	33.3 9.9	2.95 10.94	0.43 2.30		17.59 17.59	47.17 11.60	2.52 21.61	2.52	2.52	2.52 16.87	2.52 15.58	2.52 13.11
A11905A	599.0	0.94	1.35	0.49	4.8	7.00	2.46	31.4	100.0	80	0	0.0	24.0	4.25	0.26	3.99	24.06	31.40	3.99	3.99	3.99	3.99	3.99	3.99
A11905B	796.2	1.24	2.05	0.95	4.8	7.00	2.46	41.3	100.0	80	15	3.8	31.6	5.07	0.50	4.57	24.06	37.45	4.57	4.57	4.57	4.57	4.57	4.57
A11906A	627.8	0.98	2.05	0.94	3.29	6.00	2.46	60.3	100.0	60 30	0	2.8	46.4	5.72	0.56	5.15	36.04	57.49	5.15	5.15	5.15	5.15	5.15	5.15
A11906B A11906C	240.6 146.6	0.38 0.23	1.22 1.18	0.34 0.68	2.4 3.02	6.00	2.46	32.7 67.3	100.0 100.0	80	61	0.0	29.4 59.4	6.11 2.72	0.25			32.70 67.23	18.52 2.32	17.01 2.32	14.81 2.32	13.53 2.32	12.21 2.32	9.77
A11907A	348.2	0.54	1.29	0.75	4.8	6.00	2.46	82.1	100.0	100	0	6.3	64.8	1.83	0.33	_	_	75.84	1.49	1.49	1.49	1.49	1.49	1.49
A119A	923.5	1.44	3.04	1.35	3.6	6.00	2.46	79.4	100.0	80	0	8.1	52.1	4.79	0.74	4.05	24.06	71.34	4.05	4.05	4.05	4.05	4.05	4.05
A119B A119C	462.1 1441.3	0.72 2.25	1.30 2.96	0.78 1.16	3.7	9.00	2.46	74.6 12.7	100.0 24.7	100 80	21	8.1 1.5	48.2 10.1	2.20 10.23	0.42 1.33	1.79 8.90	17.59 24.06	66.52 12.70	1.79 22.26	1.79 20.79	1.79	1.79 17.39	1.79 16.05	1.79 13.51
A120A	1945.6	3.04	3.35	1.39	1.3	8.00	2.46	39.4	78.4	90	0	11.9	25.1	12.53	1.84	10.68	_	27.50	10.68	10.68	10.68	10.68	10.68	10.68
A120B	1429.1	2.23	2.76	0.68	4.3	16.00	2.46	77.7	100.0	90	5	15.2	49.2	4.11	0.34			62.47	3.77	3.77	3.77	3.77	3.77	3.77
A120C	851.2	1.33	1.95	0.62	2.8	6.00	2.46	92.5	100.0	90	0	26.5	51.5	3.60	0.38	3.22	20.39	66.01	3.22	3.22	3.22	3.22	3.22	3.22
A120D B100A	1784.3 917.1	2.79 1.43	3.08 2.84	1.23 1.26	3.6 7.9	6.00 9.00	2.46	39.3 55.1	100.0 58.4	100 40	6	5.1 2.4	24.1 38.5	6.41 7.31	0.78 0.67	5.63 6.63	17.59 63.71	34.22 55.10	5.63 6.63	5.63 6.63	5.63 6.63	5.63 6.63	5.63 6.63	5.63 6.63
B100A	873.0	1.36	2.34	1.12	5.1	12.00	2.46	59.6	40.2	80	0	13.2	35.0	4.72	0.86	_		46.45	3.85	3.85	3.85	3.85	3.85	3.85
B100C	186.9	0.29	1.13	0.48	3.6	14.66	2.46	12.1	0.0	80	0	0.8	5.7	5.01	0.55	4.46	24.06	12.10	4.46	4.46	4.46	4.46	4.46	4.46
B100D	1078.4	1.69	3.01	1.60	2.7	7.30	2.46	8.9	0.0	70	0	11.0	3.9	11.11	2.35		29.03	8.90	8.76	8.76	8.76	8.76	8.76	8.76
B100E B100F	1091.2 569.6	1.71 0.89	2.38 1.65	1.16 1.04	4.5 0.49	10.00 9.00	2.46	24.1 51.2	57.8 37.8	90	0	0.7	12.7 30.4	7.08 6.34	0.92 2.77	6.16 3.57	20.39 17.59	23.36 51.20	6.16 3.57	6.16 3.57	6.16 3.57	6.16 3.57	6.16 3.57	6.16 3.57
B100G	673.3	1.05	2.58	1.66	1.61	12.00	2.46	14.0	0.0	100	0	0.3	18.0	11.95	3.18		17.59	14.00	8.77	8.77	8.77	8.77	8.77	8.77
B100H	2433.3	3.80	2.83	0.75	0.2	9.80	2.46	22.5	0.0	100	0	0.0	22.8	22.28	4.05	.0.20	17100	22.49	18.23	18.23	18.23	18.23	18.23	18.23
B10401A B10402A	356.5 591.4	0.56 0.92	1.05 2.05	0.83 1.12	3	10.40 7.10	2.46	44.4 77.1	0.0 100.0	100 100	0	0.0	29.2 46.4	2.68 2.96	1.03	1.65 2.31		44.40 77.10	1.65 2.31	1.65 2.31	1.65 2.31	1.65 2.31	1.65 2.31	1.65 2.31
B10403A	1777.3	2.78	3.84	2.01	2	10.60	2.46	78.7	100.0	100	0	0.0	46.9	5.24		3.74		78.70	3.74	3.74	3.74	3.74	3.74	3.74
B10404A	1472.0	2.30	3.61	1.75	3.9	5.50	2.46	33.7	100.0	66	19	13.8	32.3	11.01	1.10	9.92	31.53	31.53	9.92	9.92	9.92	9.92	9.92	9.92
B10404B	378.9	0.59	1.66	1.07	3.9		2.46	52.4	100.0	90	14	18.0	30.0	4.45	0.64			34.35	3.81	3.81	3.81	3.81	3.81	3.81
B10404C B10404D	643.2 253.4	1.01 0.40	1.76 1.32	0.70 0.41	3.9 12.6	15.10 7.10	2.46	17.4 42.3	100.0 100.0	90	18 0	37.5 14.0	10.4 24.8	6.69 2.58		6.25 2.46		17.40 28.30	6.25 2.46	6.25 2.46	6.25 2.46	6.25 2.46	6.25 2.46	6.25 2.46
B10405A	1203.2	1.88	2.66	0.74	8.1	10.00	2.46	7.3	0.0	50	0	0.1	5.3	6.92		6.33		7.30	6.33	6.33	6.33	6.33	6.33	6.33
B10405B	526.7	0.82	1.92	1.00	8.1	4.80	2.46	61.2	100.0	100	0	2.7	35.5	2.40		2.03		58.51	2.03	2.03	2.03	2.03	2.03	2.03
B10408A B104A	481.3 442.2	0.75 0.69	1.56 1.05	0.69 0.47	2	4.50 13.20	2.46	92.9 36.5	100.0 100.0	100 100	0	0.1 2.0	51.5 29.2	2.48 3.67		2.03 3.28		92.81 34.53	2.03	2.03	2.03	2.03 3.28	2.03 3.28	2.03 3.28
B104A B104B	796.8	1.25	2.80	1.71	2.6	7.30	2.46	36.5 84.6	100.0	50	0	0.2	43.4	7.13		5.14	_	34.53 84.43	3.28 5.14	3.28 5.14	3.28 5.14	5.14	5.14	3.28 5.14
B104C	630.4	0.99	2.40	1.29	2.6	7.10	2.46	99.6	100.0	50	0	2.0	49.8	5.80		5.06		97.63	5.06	5.06	5.06	5.06	5.06	5.06
B104D	428.2	0.67	1.96	0.46	6	6.00	2.46	76.6	100.0	60	4	4.2	38.7	3.84		3.66	_	72.45	3.66	3.66	3.66	3.66	3.66	3.66
B104E B104F	336.6 423.0	0.53 0.66	1.59 1.21	0.55 0.62	2.47 7.2	4.40 10.00	2.46	7.8 91.7	49.0 100.0	100 100	7	10.8 5.0	5.0 52.3	7.31 1.38	0.62	_	_	7.80 86.70	6.69 1.17	6.69 1.17	6.69 1.17	6.69 1.17	6.69 1.17	6.69 1.17
B104F	62.1	0.00	0.42	0.62	3.57	4.00	2.46	76.4	100.0	100	0	14.0	49.0	1.04		0.95		62.40	0.95	0.95	0.95	0.95	0.95	0.95
B104H	168.3	0.26	0.77	0.31	3.57		2.46	49.5	100.0	100	0	7.8	28.5	2.12		1.94		41.70	1.94	1.94	1.94	1.94	1.94	1.94



FEMA Effective Model as of June 18, 2007 TC&R values for FEMA Effective Model Clear Creek and Armand Bayou Watershed HCFCD TC&R Excel Template

	Drainage	Drainage Area (sq.mi.)	Watershed Length (mi.)	Length to Centroid(mi.)	Channel	Overland		Percent Urban	Percent Channel	Percent Channel Conveyance DCC	Percent Ponding DPP	DLU affected by Detention	Percent Impervious 2002	(TC+R)"			DLU	DLU (Detention)	Ponding Adjustments for Storage Values (R")						
Subwatershed	Area (acres)				Slope(ft./mi)	Slope(ft./mi.)	<u>D</u>	Development 2002 DLU	Improvement DCI						TC"	<u>R"</u>	Minimum		20% (5-Yr)	10% (100-Yr)		2% (50-Yr)		0.2% (500-Yr)	
R104I	199.7	0.31	1.08	0.45	3.6	4.80	2.46	36.0	100.0	100	0	0.2	22.3	2.97	0.27	2.71	17.59	35.80	2.71	2.71	2.71	2.71	2.71	2.71	
B104J	162.6	0.25	1.26	0.83	2.63	4.40	2.46	48.7	100.0	100	0	0.0	29.7	3.00	0.57	2.43		48.70	2.43	2.43	2.43	2.43	2.43	2.43	
B104K	197.8	0.31	1.28	0.93	2.63	13.20	2.46	69.3	100.0	100	0	0.0	41.3	2.38	0.59	1.79		69.30	1.79	1.79	1.79	1.79	1.79	1.79	
B104L	235.5	0.37	1.38	0.83	2.16	3.00	2.46	28.3	100.0	90	0	0.0	18.6	5.49	0.69	4.80	20.39	28.30	4.80	4.80	4.80	4.80	4.80	4.80	
B104M	245.1	0.38	1.29	0.92	2.16	3.00	2.46	57.5	100.0	90	0	0.0	45.5	3.24	0.69	2.55		57.50	2.55	2.55	2.55	2.55	2.55	2.55	
B104N	436.5	0.68	1.57	0.57	2.16	10.00	2.46	11.4	0.0	70	0	0.0	9.4	7.60	0.88	6.72		11.40	6.72	6.72	6.72	6.72	6.72	6.72	
B106A	1073.9	1.68	2.35	0.91	6.6	8.80	2.46	28.9	93.0	100	0	0.4	20.0	4.84	0.45	4.40		28.48	4.40	4.40	4.40	4.40	4.40	4.40	
B106B B106C	823.7 913.9	1.29	1.47	0.46 0.58	6.7	8.80	2.46	71.7 83.5	100.0	100 100	0	2.3 0.8	39.0 47.0	1.89 2.19	0.17	1.72		69.45 82.65	1.72	1.72	1.72 1.96	1.72 1.96	1.72 1.96	1.72 1.96	
B106D	1714.6	2.68	2.92	1.15	5.8 1.9	8.80	2.46	35.8	100.0	100	0	10.4	26.2	9.49	1.05	8.44		25.37	8.44	8.44	8.44	8.44	8.44	8.44	
B106E	579.8	0.91	2.91	1.27	1.9	3.00	2.46	29.0	35.0	100	0	5.1	18.8	9.86	1.82	8.04	17.59	23.90	8.04	8.04	8.04	8.04	8.04	8.04	
B109A	1839.4	2.87	3.88	1.68	3.4	4.00	2.46	21.4	100.0	100	0	15.9	16.2	12.11	1.19	10.92		17.59	10.92	10.92	10.92	10.92	10.92	10.92	
B111A	608.0	0.95	1.38	0.62	10.1	3.10	2.46	1.3	100.0	100	0	12.1	1.2	4.01	0.24	3.77	17.59	1.30	3.77	3.77	3.77	3.77	3.77	3.77	
B111B	280.3	0.44	1.25	0.39	16.9	12.60	2.46	16.3	0.0	80	0	1.3	13.9	3.12	0.20	2.93		16.30	2.93	2.93	2.93	2.93	2.93	2.93	
B11202A	1612.2	2.52	3.66	1.94	3.4	4.40	2.46	26.1	100.0	90	0	1.3	19.8	10.18	1.35	8.83		24.80	8.83	8.83	8.83	8.83	8.83	8.83	
B112A	2021.1	3.16	3.31	1.75	3.8	7.30	2.46	62.3	100.0	90	0	1.0	38.9	4.94	0.99	3.95		61.34	3.95	3.95	3.95	3.95	3.95	3.95	
B112B B113A	1237.1 977.9	1.93	2.75 2.19	1.22 0.62	5 4.7	13.00 4.20	2.46	44.9 57.5	90.9	100 50	0	3.8 12.1	29.1 41.0	4.66	0.69	3.97 6.97		41.06 46.56	3.97 6.97	3.97 6.97	3.97 6.97	3.97 6.97	3.97 6.97	3.97 6.97	
B113B	1376.0	1.53 2.15	3.50	1.86	4.7	4.20	2.46	57.5 41.7	74.3	50	0	35.4	25.7	7.29 10.17	1.25	8.92		46.56	8.92	8.92	8.92	8.92	8.92	8.92	
B114A	785.9	1.23	2.25	0.59	6.99	17.60	2.46	63.6	100.0	60	0	1.9	42.7	4.47	0.23	4.25	_	61.67	4.25	4.25	4.25	4.25	4.25	4.25	
B115A	720.0	1.13	1.97	1.10	7.6	6.80	2.46	67.9	100.0	80	0	1.0	48.5	2.83	0.41	2.42		66.90	2.42	2.42	2.42	2.42	2.42	2.42	
B115B	990.1	1.55	3.07	2.31	1.6	6.80	2.46	61.6	100.0	80	0	25.2	44.3	10.14	2.32	7.83	24.06	36.39	7.83	7.83	7.83	7.83	7.83	7.83	
CH100A	2803.8	4.38	4.52	1.26	3.7	5.00	2.46	4.0	0.0	100	56	2.6	2.6	13.24	1.55	11.69	17.59	4.00	36.24	33.34	29.08	26.62	24.06	19.33	
CH100B	2804.5	4.38	3.94	2.61	4	3.00	2.46	13.4	0.0	100	3	5.3	7.0	11.70	3.18	8.52	17.59	13.40	8.52	8.52	8.52	8.52	8.52	8.52	
CH100C	1759.4	2.75	3.51	1.91	7	5.00	2.46	31.8	0.0	100	0	12.4	14.2	8.17	1.67	6.50	17.59	19.40	6.50	6.50	6.50	6.50	6.50	6.50	
CH100D CH100E	798.7 480.0	1.25 0.75	2.13 1.52	0.94 0.52	7	5.00	2.46	31.0 49.8	0.0	100 100	39 44	22.4 23.6	14.3 20.7	6.14 3.69	0.80	5.34 3.27	17.59 17.59	17.59 26.23	15.32 9.62	14.17 8.88	12.49 7.80	11.50 7.17	10.48 6.51	8.56 5.29	
CH100E	1624.3	2.54	2.89	1.54	7	5.00	2.46	17.3	0.0	100	34	12.2	11.5	7.71	1.34	6.37	17.59	17.30	17.76	16.46	14.56	13.45	12.28	10.10	
CW100A	1887.4	2.95	4.97	2.78	2.6	3.00	2.46	26.1	0.0	100	18	4.1	10.8	13.62	4.20	9.42		21.97	9.42	9.42	9.42	9.42	9.42	9.42	
CW100B	1173.1	1.83	2.82	1.29	5.3	2.00	2.46	10.7	0.0	100	43	9.2	9.6	8.36	1.31	7.05		10.70	20.66	19.08	16.77	15.42	14.02	11.40	
CW100C	787.8	1.23	1.99	0.90	4.9	7.00	2.46	39.5	0.0	100	0	0.2	20.8	3.84	0.88	2.96	17.59	39.31	2.96	2.96	2.96	2.96	2.96	2.96	
CW100D	2211.8	3.46	4.13	2.19	6.62	6.00	2.46	48.9	0.0	70	0	10.8	22.4	8.35	1.92	6.43		38.11	6.43	6.43	6.43	6.43	6.43	6.43	
CW102A	1915.5	2.99	3.73	1.79	3.8	4.00	2.46	7.8	0.0	100	70	2.6	3.3	11.45	2.22	9.23		7.80	30.03	27.53	23.87	21.76	19.58	15.57	
CW102B	1089.9	1.70	3.56	1.50 2.00	5.8	5.00	2.46	7.1	0.0	100 100	1	0.1	4.8	9.55	1.47	8.08		7.10	8.08	8.08	8.08	8.08	8.08	8.08	
CW103A CW103B	864.6 1235.2	1.35 1.93	3.44	1.60	3.3	4.00 5.00	2.46	19.2 10.1	0.0	100	0 65	1.7 0.6	8.4 4.3	11.23 11.56	2.63 1.98	8.60 9.58		17.59 10.10	8.60 30.66	8.60 28.14	8.60 24.44	8.60 22.31	8.60 20.11	8.60 16.05	
CW103B	1047.7	1.64	2.69	1.16	3.6	6.00	2.46	4.2	0.0	100	20	0.0	3.1	9.27	1.45	7.82		4.20	7.82	7.82	7.82	7.82	7.82	7.82	
CW104A	1032.3	1.61	2.71	1.12	2.6	3.00	2.46	22.4	0.0	100	58	15.9	9.1	10.32	1.62	8.70	17.59	17.59	27.17	24.98	21.77	19.92	17.99	14.43	
HI100A	2306.6	3.60	3.60	1.31	2.5	2.00	2.46	11.5	0.0	100	60	17.1	9.5	12.96	1.97	10.98		11.50	34.56	31.76	27.65	25.28	22.82	18.28	
HI100B	2629.1	4.11	5.73	2.58	3.8	5.00	2.46	26.8	0.0	100	21	4.6	14.6	13.09	3.17	9.92	17.59	22.18	24.94	23.28	20.88	19.45	17.95	15.09	
JB100A	3068.2	4.79	3.98	1.68	3.1	5.00	2.46	54.2	49.3	100	0	0.0	30.1	5.94	1.60	4.33		54.20	4.33	4.33	4.33	4.33	4.33	4.33	
LD100A	1459.2	2.28	2.78	1.53	7	7.00	2.46	50.6	100.0	100	8	0.0	22.6	3.62	0.65	2.97	17.59	50.60	2.97	2.97	2.97	2.97	2.97	2.97	
MA100A	2526.1	3.95	3.91	2.37	4	5.00	2.46	44.4	53.5	100	35	46.9	20.5	11.48	2.17	9.31		17.59	26.11	24.19	21.38	19.74	18.02	14.79	
MA100B MA100C	670.7 3100.2	1.05 4.84	2.49 4.39	1.14 1.72	2.4 3.9	2.00	2.46	18.9 31.9	0.0	100 70	45 11	22.3 16.2	8.4 16.8	10.00 12.64	1.71 2.01	8.29 10.63	17.59 29.03	17.59 29.03	24.51 10.63	22.62 10.63	19.86 10.63	18.25 10.63	16.57 10.63	13.45 10.63	
MA100D	1580.8	2.47	3.32	1.57	3.5	2.00	2.46	32.9	0.0	55	25	7.9	20.0	10.86	1.92	8.95		32.90	23.34	21.73	19.39	18.01	16.56	13.80	
MA100E	2497.9	3.90	4.55	2.57	8.9	8.00	2.46	45.2	79.0	60	0	14.7	21.4	9.71	1.92	8.47		36.04	8.47	8.47	8.47	8.47	8.47	8.47	
MG100A	880.0	1.38	2.21	1.06	2.64	10.00	2.46	0.0	0.0	100	96	0.4	1.6	9.00	1.57	7.43		0.00	25.86	23.59	20.28	18.38	16.43	12.88	
MG100B	1214.1	1.90	2.16	1.17	2.64	10.00	2.46	0.5	100.0	100	58	0.0	0.5	8.88	0.98	7.89		0.50	24.65	22.66	19.75	18.07	16.32	13.09	
MG100C	693.8	1.08	2.20	1.10	2.64	10.00	2.46	100.0	100.0	100	0	0.0	30.0	2.73	0.62	2.11		100.00	2.11	2.11	2.11	2.11	2.11	2.11	
MG100D	150.4	0.24	0.47	0.51	2.64	10.00	2.46	100.0	100.0	100	0	0.0	30.0	0.92	0.27	0.64		100.00	0.64	0.64	0.64	0.64	0.64	0.64	
MG100E	97.9	0.15	0.40	0.25	2.64	10.00	2.46	100.0	100.0	100	0	0.0	30.0	0.82	0.13	0.69		100.00	0.69	0.69	0.69	0.69	0.69	0.69	
MG100F	113.9	0.18	0.45	0.34	2.64	10.00	2.46	100.0	100.0	100	0	0.0	30.0	0.89	0.18	0.71		100.00	0.71	0.71	0.71	0.71	0.71	0.71	
MG100G	193.3	0.30	0.72	0.36	2.64	10.00	2.46	100.0	100.0	100	0	0.0	30.0	1.24	0.19	1.05		100.00	1.05	1.05	1.05	1.05	1.05	1.05	
MG100H MG100I	196.5 73.0	0.31	0.74	0.40 0.21	2.64	10.00	2.46	100.0 100.0	100.0 100.0	100 100	0	0.0	30.0 30.0	1.26 0.82	0.21	1.05 0.71	17.59	100.00	1.05 0.71	1.05 0.71	1.05 0.71	1.05 0.71	1.05 0.71	1.05 0.71	
MG100J	48.6	0.11	0.40	0.21	2.64	10.00	2.46	100.0	100.0	100	0	0.0	17.1	0.82	0.11	0.71		100.00	0.71	0.71	0.71	0.71	0.71	0.71	
RB100A	3479.0	5.44	4.89	2.12	5.5	9.00	2.46	23.0	31.9	80	0	0.0	14.1	12.19	1.81	10.37		23.00	10.37	10.37	10.37	10.37	10.37	10.37	



Orange shaded areas contain values taken from Magnolia Creek Development Master Drainage Plan (LJA Engineering & Surveying, Inc., Jan. 2000)
Green shaded areas contain values determined from LIDAR contours only.
Blue shaded areas contain values taken from the Cowart Creek Hydraulic Model Update (DEC 1998)