

EAGLE LAKE DISTRICT DRAINAGE

EAGLE LAKE TRIBUTARY

Station	Basin ID	Individual Tributary Basin Drainage to Overall Tributary Area (sq. ft.)	Basin Area (A) (sq. mi.)	Area 5 - 10 yr Adj. = 18.9 x (A^0.913)	Basin Lake, Wetlands, & Pond Storage (sq. ft.)	Basin Wet Area Storage (ST) (%age)	Area 5 - 10 yr Adj. (ST+1) ^-0.385	Existing Channel Drop from (feet)	Stationed Channel Distances (feet)	Channel Distance in miles (miles)	Channel Slope (S) (feet/mile)	Area 5 - 10 yr Adj. S^0.447	Peak Flood Discharge (Q10)(cfs) = AaSTaSa	Total Peak Flood Discharge (cfs)	Proposed Channel Base Width (ft) b	Proposed Channel Slope (ft/ft) S	Manning's Coefficient for Channel Flow n	Proposed Conveyance Factor K'	Proposed Channel Sid Slope (m:1) m
084+74	ECEC10	9917207	0.36	7.3559	559500	5.64%	0.4824	0.86	857	0.16	5.31	2.1087	7.48	7.48	6	0.00101	0.030	0.0596	
084+44	cL CHURCH ROAD																		
084+14	48" CMP																		
076+17	ECEC9	1229476	0.04	1.0936	49859	4.06%	0.5359	0.88	878	0.17	5.31	2.1087	1.24	8.72	8	0.00101	0.030	0.0322	
067+39	ECEC8	1766137	0.06	1.5222	0	0.00%	1.0000	0.57	563	0.11	5.31	2.1087	3.21	11.93	8	0.00101	0.030	0.0441	
067+09	cL S BRITTON ROAD																		
066+79	54" CMP																		
061+76	ECEC7	722924	0.03	0.6734	0	0.00%	1.0000	4.59	458	0.09	52.83	5.8902	3.97	15.90	10	0.00101	0.030	0.0324	
057+18									1058							0.00390			
046+60	ECEC6	1744629	0.06	1.5052	0	0.00%	1.0000	1.16	1244	0.24	4.92	2.0387	3.07	18.96	10	0.00093	0.030	0.0401	
034+16	ECEC5	27496524	0.99	18.6635	830889	3.02%	0.5852	1.10	1180	0.22	4.92	2.0387	22.27	41.23	10	0.00093	0.030	0.0873	
022+36	ECEC4 CROSS-SCTN.	1106618	0.04	0.9933	0	0.00%	1.0000	0.71	38	0.01	99.00	7.7993	7.75	48.98	10	0.01290	0.030	0.0279	
022+14	cL FARM CROSSING																		
021+98	72" CMP								454							0.00049			
017+44	ECEC3	3107390	0.11	2.5497	36246	1.17%	0.7426	0.75	1534	0.29	2.58	1.5267	2.89	51.87	10	0.00049	0.030	0.1518	
017+38	CROSS SECTION																		
002+10	ECEC2	7153560	0.26	5.4590	598533	8.37%	0.4226	0.04	70	0.01	3.02	1.6382	3.78	55.65	10	0.00049	0.030	0.1628	
001+75	cL S BEAUMONT AVE																		
001+40	96" CMP													55.65					