Project Name: Coyle Creek & Draper's Creek Floodplain Mapping
Project No.: 67230
Watershed: Niagara Pennisula Conservation Authority (NPCA)
River: Multiple
Reach: Multiple

Table1 HEC-RAS Hydraulic Output Summary
Plan File: Ex_Coyle_Draper_1D Split .p06

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	WS Elev (m)	Crit WS (m)	EG Elev (m)	EG Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Draper's	Draper's_E	3958	SCS100yr	7.78	183.27	184.32	184.1	184.47	0.004749	1.75	5.06	8.32	0.6
Draper's	Draper's_E	3914	SCS100yr	7.78	183.1	184.09	183.93	184.24	0.005788	1.76	4.97	8.48	0.65
Draper's	Draper's_E	3819	SCS100yr	7.78	182.85	183.7		183.75	0.004139	1.31	11.53	40.25	0.53
Draper's	Draper's_E	3718	SCS100yr	7.78	182.51	183.28		183.32	0.00437	1.38	12.95	43.73	0.55
Draper's	Draper's_E	3634	SCS100yr	7.78	182.26	182.95	182.83	182.98	0.003881	1.11	12.22	42.55	0.5
Draper's	Draper's_E	3535	SCS100yr	7.78	181.94	182.71	182.5	182.73	0.001802	0.89	17.79	52.62	0.36
Draper's	Draper's_E	3431	SCS100yr	7.78	181.82	182.6	182.3	182.61	0.000764	0.61	31.08	91.12	0.24
Draper's	Draper's_E	3329	SCS100yr	7.78	181.61	182.59	181.89	182.59	0.000057	0.2	104.42	409.32	0.07
Draper's	Draper's_E	3237	SCS100yr	7.78	181.48	182.58	181.81	182.59	0.000069	0.23	53.52	115.87	0.08
Draper's	Draper's_E	3134	SCS100yr	7.78	181.34	182.55	181.89	182.57	0.000455	0.64	19.28	98.17	0.2
Draper's	Draper's_E	3087	SCS100yr	7.78	181.39	182.56	181.8	182.56	0.000093	0.28	47.67	81.96	0.09
Draper's	Draper's_E	3035	SCS100yr	7.78	181.42	182.54	182.15	182.55	0.000608	0.68	24.75	77.35	0.22
Draper's	Draper's_E	2980	SCS100yr	7.78	181.08	182.3	182.04	182.46	0.004471	1.88	5.37	10.98	0.59
Draper's	Draper's_E	2917	SCS100yr	11.63	180.91	181.81	181.74	182.04	0.009126	2.17	5.84	10.01	0.8
Draper's	Draper's_E	2867	SCS100yr	11.63	180.39	181.89	181.18	181.91	0.000557	0.81	15.79	18.53	0.22
Draper's	Draper's_E	2850	SCS100yr	11.63	180.06	181.89	181.12	181.9	0.000164	0.48	34.28	64.3	0.12
Draper's	Draper's_E	2841		Bridge									
Draper's	Draper's_E	2833	SCS100yr	11.63	180.06	181.44	181.28	181.53	0.002217	1.31	8.98	31.24	0.41
Draper's	Draper's_E	2815	SCS100yr	11.63	180.15	181.47	181.25	181.48	0.000303	0.53	27.99	59.36	0.16
Draper's	Draper's_E	2811		Culvert									
Draper's	Draper's_E	2806	SCS100yr	11.63	180.15	181.45	181.06	181.46	0.000152	0.36	35.28	64.01	0.11
Draper's	Draper's_E	2796	SCS100yr	11.63	180.03	181.45	180.89	181.45	0.000054	0.24	45.23	67.02	0.07
Draper's	Draper's_E	2792		Culvert									
Draper's	Draper's_E	2787	SCS100yr	11.63	180.08	181.44	181.01	181.45	0.00011	0.33	31.82	61.98	0.1
Draper's	Draper's_E	2778	SCS100yr	11.63	179.99	181.42	181.06	181.44	0.000429	0.66	19.2	38.04	0.19
Draper's	Draper's_E	2774		Culvert									
Draper's	Draper's_E	2770	SCS100yr	11.63	179.99	181.42	181.05	181.44	0.000353	0.59	20.68	44.76	0.17
Draper's	Draper's_E	2761	SCS100yr	11.63	179.98	181.42	180.95	181.43	0.000164	0.41	26.27	49.81	0.12
Draper's	Draper's_E	2753		Culvert									
Draper's	Draper's_E	2749	SCS100yr	11.63	179.96	181.42	181	181.43	0.000161	0.41	29.35	53.42	0.12
Draper's	Draper's_E	2741	SCS100yr	11.63	179.93	181.42	180.93	181.43	0.000149	0.4	31.49	68.53	0.11
Draper's	Draper's_E	2735		Culvert									
Draper's	Draper's_E	2730	SCS100yr	11.63	179.86	181.41	180.96	181.42	0.00017	0.45	28.28	69.33	0.12
Draper's	Draper's_E	2725	SCS100yr	11.63	179.82	181.41	180.96	181.42	0.00019	0.47	27.13	63.59	0.13
Draper's	Draper's_E	2720		Culvert									
Draper's	Draper's_E	2716	SCS100yr	11.63	179.9	181.4	181.08	181.42	0.000454	0.69	20.3	44.13	0.19
Draper's	Draper's_E	2708	SCS100yr	11.63	179.84	181.38	181.12	181.41	0.000716	0.88	17.8	43.16	0.24
Draper's	Draper's_E	2704		Culvert									
Draper's	Draper's_E	2699	SCS100yr	11.63	179.82	181.35	181.14	181.39	0.00117	1.14	14.26	33.06	0.32
Draper's	Draper's_E	2693	SCS100yr	11.63	179.85	181.34	180.9	181.38	0.001102	1.1	15.64	35.3	0.31
Draper's	Draper's_E	2686		Culvert									
Draper's	Draper's_E	2680	SCS100yr	11.63	179.81	181.29	181.05	181.37	0.00207	1.45	12.62	32.45	0.42
Draper's	Draper's_E	2643	SCS100yr	11.63	179.78	181.3	180.78	181.31	0.000398	0.65	31.97	58.35	0.18
Draper's	Draper's_E	2637		Bridge									
Draper's	Draper's_E	2629	SCS100yr	11.63	179.73	181.24	180.98	181.28	0.001066	1.1	24.31	54.79	0.3
Draper's	Draper's_E	2601	SCS100yr	11.63	179.63	181.25		181.26	0.000117	0.39	31.46	50.88	0.1
Draper's	Draper's_E	2557	SCS100yr	11.63	179.69	181.25	180.67	181.25	0.000112	0.37	46.03	87.37	0.1
Draper's	Draper's_E	2548		Bridge									
Draper's	Draper's_E	2538	SCS100yr	11.63	179.5	181.24	180.68	181.24	0.00005	0.26	45.11	93.01	0.07
Draper's	Draper's_E	2499	SCS100yr	11.63	179.48	181.22	180.53	181.23	0.000337	0.69	30.34	43.61	0.18
Draper's	Draper's_E	2472	SCS100yr	11.63	179.23	181.22	180.38	181.22	0.0001	0.4	66.78	167.79	0.1
Draper's	Draper's_E	2459		Bridge									
Draper's	Draper's_E	2447	SCS100yr	13.47	179.34	180.91	180.91	181.05	0.003643	1.96	10.42	35.06	0.54
Draper's	Draper's_E	2425	SCS100yr	13.47	178.91	180.25	180.25	180.63	0.010465	2.99	5.75	8	0.92
Draper's	Draper's_E	2342	SCS100yr	13.47	178.72	180.06	179.64	180.1	0.001333	1.12	18.83	29.83	0.34
Draper's	Draper's_E	2246	SCS100yr	13.47	178.24	179.93	179.6	179.98	0.001343	1.3	21.8	45.85	0.34
Draper's	Draper's_E	2182	SCS100yr	13.47	178.19	179.85	179.34	179.9	0.001093	1.18	21.97	45.65	0.31
Draper's	Draper's_E	2165	SCS100yr	13.47	178.28	179.81	179.51	179.87	0.001664	1.39	19.44	51.63	0.38
Draper's	Draper's_E	2160		Culvert									
Draper's	Draper's_E	2155	SCS100yr	13.47	178.01	179.73	179.67	179.86	0.003793	1.99	12.83	33.55	0.53
Draper's	Draper's_E	2096	SCS100yr	13.47	177.67	179.76	178.85	179.77	0.000189	0.58	52.17	81.23	0.14
Draper's	Draper's_E	2035	SCS100yr	13.47	177.61	179.76	178.51	179.76	0.0001	0.43	60.39	67.8	0.1
Draper's	Draper's_E	2008	SCS100yr	13.47	177.33	179.75	178.49	179.76	0.000107	0.45	66.67	107.76	0.1
Draper's	Draper's_E	2001		Culvert									
Draper's	Draper's_E	1995	SCS100yr	13.47	177.41	179.75	178.65	179.76	0.000135	0.52	63.65	114.65	0.11
Draper's	Draper's_E	1978	SCS100yr	13.47	177.38	179.75	178.58	179.75	0.000075	0.37	82.29	89.87	0.08
Draper's	Draper's_E	1918	SCS100yr	13.47	177.38	179.75		179.75	0.000048	0.32	90.73	89.74	0.07
Draper's	Draper's_E	1872	SCS100yr	13.47	177.4	179.75		179.75	0.000031	0.26	108.53	113.74	0.06
Draper's	Draper's_E	1853	SCS100yr	13.47	177.08	179.75	178.22	179.75	0.000006	0.11	94.62	118.73	0.02
Draper's	Draper's_E	1843		Culvert									
Draper's	Draper's_E	1831	SCS100yr	13.47	176.95	179.38	178.18	179.39	0.000044	0.31	37.07	48.95	0.07
Draper's	Draper's_E	1807	SCS100yr	13.47	177.24	179.38	178.3	179.38	0.000102	0.43	86.88	100.71	0.1
Draper's	Draper's_E	1768	SCS100yr	13.47	177.04	179.38		179.38	0.000088	0.45	97.3	92.7	0.1
Draper's	Draper's_E	1738	SCS100yr	13.47	177.12	179.37		179.38	0.000075	0.39	86.02	77.91	0.09
Draper's	Draper's_E	1694	SCS100yr	13.47	177.12	179.35		179.37	0.000354	0.84	36.29	38.2	0.19
Draper's	Draper's_E	1661	SCS100yr	13.47	177.06	179.31		179.35	0.000546	1.06	25.2	31.08	0.23
Draper's	Draper's_E	1650	SCS100yr	13.47	176.65	179.32	178.04	179.33	0.00017	0.59	49.87	68.25	0.13
Draper's	Draper's_E	1640		Culvert									
Draper's	Draper's_E	1629	SCS100yr	13.47	176.58	178.3	178.3	178.79	0.014127	2.85	4.49	32.31	0.86
Draper's	Draper's_E	1615	SCS100yr	13.47	176.98	178.44		178.48	0.000567	0.8	15.54	25.05	0.22
Draper's	Draper's_E	1558	SCS100yr	13.47	176.94	178.35		178.42	0.001755	1.33	15.21	18.19	0.39
Draper's	Draper's_E	1476	SCS100yr	13.47	176.37	178.29		178.32	0.000696	1.04	32.42	41.63	0.26
Draper's	Draper's_E	1408	SCS100yr	13.47	176.47	178.28		178.29	0.000241	0.6	52.68	54.31	0.15
Draper's	Draper's_E	1368	SCS100yr	13.47	176.43	178.25	177.46	178.27	0.000507	0.88	34.91	48.07	0.22
Draper's	Draper's_E	1354	SCS100yr	13.47	175.96	178.19	177.1	178.25	0.000743	1.12	13.56	39.6	0.26
Draper's	Draper's_E	1342		Bridge									
Draper's	Draper's_E	1333	SCS100yr	13.47	175.91	177.89	177.07	177.97	0.000961	1.18	11	9.77	0.29
Draper's	Draper's_E	1319	SCS100yr	13.47	176.01	177.89		177.95	0.000749	1.09	11.95	9.99	0.26
Draper's	Draper's_E	1241	SCS100yr	13.47	175.93	177.85		177.89	0.000642	1.01	24.63	38.4	0.25
Draper's	Draper's_E	1189	SCS100yr	13.47	175.79	177.84		177.86	0.000293	0.74	34.92	50.32	0.17
Draper's	Draper's_E	1133	SCS100yr	13.47	175.95	177.76		177.83	0.001027	1.25	17.72	44.21	0.31
Draper's	Draper's_E	1120	SCS100yr	13.47	175.47	177.78	176.7	177.8	0.000396	0.84	33.34	71.93	0.19
Draper's	Draper's_E	1107		Bridge									
Draper's	Draper's_E	1092	SCS100yr	13.47	175.47	177.03	176.63	177.2	0.002619	1.5	8.28	14.34	0.46
Draper's	Draper's_E	1078	SCS100yr	13.47	175.61	177.04		177.12	0.002265	1.48	15.96	36.61	0.44
Draper's	Draper's_E	1015	SCS100yr	13.47	175.49	176.94	176.73	176.99	0.001539	1.28	18.83	34.53	0.36
Draper's	Draper's_E	928	SCS100yr	13.47	175.47	176.51	176.51	176.72	0.008354	2.34	10.73	26.37	0.8
Draper's	Draper's_E	844	SCS100yr	13.47	175.32	176.39		176.42	0.001529	0.97	23.66	51.45	0.34
Draper's	Draper's_E	771	SCS100yr	13.47	175.08	176.13	176.06	176.23	0.004259	1.69	16.08	44.62	0.58
Draper's	Draper's_E	696	SCS100yr	13.47	174.96	176.02		176.04	0.001353	0.91	32.55	64.61	0.32
Draper's	Draper's_E	613	SCS100yr	13.47	174.86	175.87		175.9	0.002122	1.2	26.87	50.54	0.41
Draper's	Draper's_E	553	SCS100yr	13.47	174.83	175.79	175.43	175.8	0.001327	0.9	31.97	51.68	0.32
Draper's	Draper's_E	508	SCS100yr	13.47	174.66	175.59	175.46	175.7	0.005082	1.7	13.44	27.61	0.62
Draper's	Draper's_E	479	SCS100yr	13.47	174.62	175.58	175.2	175.6	0.001244	0.85	30.62	49.85	0.31
Draper's	Draper's_E	463	SCS100yr	13.47	174.18	175.56	174.85	175.59	0.000574	0.73	18.65	22.5	0.22
Draper's	Draper's_E	448		Bridge									
Draper's	Draper's_E	431	SCS100yr	13.47	174.31	175.46	175.01	175.49	0.001047	0.78	17.17	33.46	0.28
Draper's	Draper's_E	412	SCS100yr	13.47	174.63	175.45		175.46	0.001415	0.87	33.07	55.9	0.32
Draper's	Draper's_E	354	SCS100yr	13.47	174.41	175.39	174.84	175.4	0.000956	0.82	38.69	52.42	0.28
Draper's	Draper's_E	304	SCS100yr	13.47	174.14	175.37		175.37	0.000299	0.52	52.86	59.48	0.16
Draper's	Draper's_E	266	SCS100yr	13.47	174.03	175.36	174.44	175.36	0.000106	0.33	73.18	71.81	0.1
Draper's	Draper's_E	215	SCS100yr	13.47	173.87	175.36	174.29	175.36	0.000087	0.33	98.07	101.65	0.09
Draper's	Draper's_E	141	SCS100yr	13.47	173.62	175.35	174.1	175.35	0.000055	0.29	113.4	95.35	0.07
Draper's	Draper's_E	78	SCS100yr	13.47	173.35	175.34		175.35	0.000096	0.42	68.83	51.29	0.1
Draper's	Draper's_E	19	SCS100yr	13.47	173.33	175.35	173.7	175.35	0.000017	0.18	165.53	100.19	0.04
Draper's	Draper's_W	4667	SCS100yr	1.53	184.45	184.87	184.74	184.9	0.004527	0.79	1.94	7.94	0.49
Draper's	Draper's_W	4596	SCS100yr	1.53	184.27	184.62	184.53	184.64	0.002943	0.7	3.47	25.51	0.4
Draper's	Draper's_W	4543	SCS100yr	1.53	184.06	184.33	184.31	184.36	0.012228	0.88	2.28	26.36	0.73
Draper's	Draper's_W	4470	SCS100yr	2.36	183.6	184.12	183.9	184.14	0.001664	0.63	3.88	12.4	0.32
Draper's	Draper's_W	4364	SCS100yr	2.36	183.59	183.98	183.87	183.99	0.001265	0.47	9.31	53.49	0.27
Draper's	Draper's_W	4260	SCS100yr	2.36	183.5	183.84	183.72	183.84	0.001503	0.48	8.35	47.6	0.29
Draper's	Draper's_W	4168	SCS100yr	2.36	183.36	183.66	183.52	183.67	0.002583	0.6	6.5	36.45	0.37
Draper's	Draper's_W	4067	SCS100yr	2.36	182.84	183.36	183.25	183.38	0.002929	0.79	4.67	20.39	0.41
Draper's	Draper's_W	3987	SCS100yr	2.36	182.42	183.17	183.06	183.19	0.00194	0.8	6.29	29.89	0.35
Draper's	Draper's_W	3910	SCS100yr	2.36	182.31	182.99		183.01	0.002804	0.88	4.6	28.47	0.42

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River: Multiple
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Plan File: Ex_Coyle_Draper_1D Split .p06

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	WS Elev (m)	Crit WS (m)	EG Elev (m)	EG Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Draper's	Draper's_W	3823	SCS100yr	2.36	182.25	182.75		182.76	0.00294	0.76	6.25	40.47	0.41
Draper's	Draper's_W	3731	SCS100yr	2.36	181.87	182.56	182.37	182.58	0.001416	0.68	6.25	37.68	0.3
Draper's	Draper's_W	3662	SCS100yr	2.36	181.93	182.49	182.41	182.5	0.000962	0.53	12.28	108.29	0.25
Draper's	Draper's_W	3573	SCS100yr	2.36	181.78	182.48		182.48	0.000097	0.21	25.36	102.53	0.08
Draper's	Draper's_W	3480	SCS100yr	2.36	181.48	182.48	181.9	182.48	0.000016	0.1	59.82	143.69	0.04
Draper's	Draper's_W	3415	SCS100yr	2.36	181.46	182.47	181.68	182.47	0.000004	0.03	86.29	256.2	0.01
Draper's	Draper's_W	3394	SCS100yr	2.36	181.42	182.47	181.74	182.47	0	0.02	158.42	392.49	0.01
Draper's	Draper's_W	3384		Culvert									
Draper's	Draper's_W	3376	SCS100yr	4.2	181.41	182.16	181.86	182.2	0.00033	0.39	6	100.61	0.15
Draper's	Draper's_W	3359	SCS100yr	4.2	181.44	181.96	181.96	182.14	0.016079	1.9	2.27	8.92	0.98
Draper's	Draper's_W	3297	SCS100yr	4.2	181.18	181.65		181.66	0.002016	0.66	11.54	50.87	0.35
Draper's	Draper's_W	3219	SCS100yr	4.2	181.08	181.51	181.35	181.52	0.001536	0.58	12.6	94.12	0.3
Draper's	Draper's_W	3106	SCS100yr	4.2	180.97	181.32	181.22	181.33	0.00195	0.56	12.7	90.69	0.33
Draper's	Draper's_W	3008	SCS100yr	4.2	180.7	181.2	181.06	181.2	0.000978	0.48	18.44	114.73	0.24
Draper's	Draper's_W	2921	SCS100yr	4.2	180.64	181.07	180.91	181.09	0.001935	0.6	8.06	33.44	0.33
Draper's	Draper's_W	2818	SCS100yr	4.2	180.45	180.83	180.71	180.85	0.002748	0.63	7.28	32.03	0.39
Draper's	Draper's_W	2721	SCS100yr	4.2	180.28	180.63	180.49	180.64	0.001741	0.53	20.05	112.06	0.31
Draper's	Draper's_W	2647	SCS100yr	4.2	180.24	180.54	180.36	180.54	0.00085	0.31	30.78	180.56	0.21
Draper's	Draper's_W	2551	SCS100yr	4.2	180.04	180.51	180.22	180.51	0.000195	0.2	22.8	78.71	0.11
Draper's	Draper's_W	2476	SCS100yr	4.2	179.93	180.5	180.06	180.51	0.000024	0.09	94.35	270.82	0.04
Draper's	Draper's_W	2383	SCS100yr	5.66	179.77	180.5	179.94	180.5	0.000035	0.13	109.08	294.85	0.05
Draper's	Draper's_W	2297	SCS100yr	5.66	179.38	180.5	179.67	180.5	0.000056	0.21	92.61	246.54	0.07
Draper's	Draper's_W	2221	SCS100yr	5.66	179.06	180.5	179.3	180.5	0.000017	0.15	75.27	195.86	0.04
Draper's	Draper's_W	2171	SCS100yr	5.66	179.09	180.46	179.63	180.49	0.000505	0.75	7.64	157.39	0.21
Draper's	Draper's_W	2157		Bridge									
Draper's	Draper's_W	2141	SCS100yr	5.66	179.06	179.59	179.59	179.82	0.015535	2.08	2.7	68.62	0.99
Draper's	Draper's_W	2124	SCS100yr	5.66	179.01	179.41	179.2	179.42	0.00156	0.59	14.53	52.34	0.31
Draper's	Draper's_W	2073	SCS100yr	5.66	178.9	179.34	179.13	179.35	0.001314	0.58	13.87	41.43	0.29
Draper's	Draper's_W	2011	SCS100yr	5.66	178.81	179.27	179.04	179.28	0.000992	0.5	15.74	49.13	0.25
Draper's	Draper's_W	1922	SCS100yr	5.66	178.67	179.25	178.87	179.25	0.000202	0.27	38.12	110.79	0.12
Draper's	Draper's_W	1874	SCS100yr	5.66	177.99	179.25	179	179.25	0.000009	0.07	79.74	162.52	0.03
Draper's	Draper's_W	1868		Culvert									
Draper's	Draper's_W	1860	SCS100yr	5.66	177.95	178.95	178.7	178.95	0.000096	0.2	21.88	90.85	0.08
Draper's	Draper's_W	1843	SCS100yr	5.66	178.48	178.95	178.65	178.95	0.000188	0.22	27.15	89.69	0.11
Draper's	Draper's_W	1785	SCS100yr	5.66	178.31	178.92	178.62	178.93	0.000625	0.49	25.99	65.42	0.21
Draper's	Draper's_W	1704	SCS100yr	5.66	178.29	178.88	178.51	178.89	0.000445	0.4	18.65	47.56	0.17
Draper's	Draper's_W	1654	SCS100yr	5.66	178.35	178.73	178.73	178.81	0.012971	1.42	5.39	33.65	0.84
Draper's	Draper's_W	1579	SCS100yr	5.66	177.73	178.31	178.13	178.34	0.002091	0.77	11.79	37.94	0.36
Draper's	Draper's_W	1515	SCS100yr	5.66	177.63	178.22	177.95	178.24	0.001182	0.62	11.59	59.82	0.28
Draper's	Draper's_W	1427	SCS100yr	5.66	177.52	178.07		178.1	0.002586	0.9	12.96	42.96	0.41
Draper's	Draper's_W	1344	SCS100yr	5.66	177.31	177.86	177.68	177.89	0.002493	0.85	11.23	35.47	0.4
Draper's	Draper's_W	1277	SCS100yr	5.66	177.09	177.65	177.49	177.69	0.003698	1.05	10.17	34.24	0.49
Draper's	Draper's_W	1235	SCS100yr	5.66	176.97	177.55	177.35	177.57	0.002341	0.9	12.36	39.42	0.4
Draper's	Draper's_W	1198	SCS100yr	5.66	176.89	177.55	177.09	177.55	0.00016	0.26	41.86	84.29	0.11
Draper's	Draper's_W	1143	SCS100yr	7.39	176.8	177.52	177.13	177.53	0.000474	0.45	21.55	50.01	0.18
Draper's	Draper's_W	1096	SCS100yr	7.39	176.71	177.52	176.96	177.52	0.000112	0.25	42.89	74.2	0.09
Draper's	Draper's_W	998	SCS100yr	7.39	176.34	177.51	176.69	177.51	0.000088	0.29	45.78	97.56	0.09
Draper's	Draper's_W	955	SCS100yr	7.39	176.18	177.51	176.61	177.51	0.00003	0.18	73.5	121.55	0.05
Draper's	Draper's_W	943		Culvert									
Draper's	Draper's_W	931	SCS100yr	7.39	176.16	177.36	177.03	177.37	0.000086	0.26	21.8	114.63	0.08
Draper's	Draper's_W	913	SCS100yr	7.39	176.01	177.16	176.96	177.32	0.006523	1.79	4.14	21.63	0.65
Draper's	Draper's_W	861	SCS100yr	7.39	176.03	176.88	176.73	176.98	0.005987	1.4	5.36	11.54	0.62
Draper's	Draper's_W	795	SCS100yr	7.39	175.9	176.91	176.12	176.92	0.000161	0.31	40.21	76.46	0.11
Draper's	Draper's_W	746	SCS100yr	7.39	175.8	176.57	176.57	176.86	0.015697	2.39	3.11	5.6	0.99
Draper's	Draper's_W	685	SCS100yr	7.39	175.83	176.33	176.33	176.34	0.000867	0.4	21.33	49.74	0.22
Draper's	Draper's_W	614	SCS100yr	7.39	175.29	175.83	175.68	175.85	0.003425	0.94	12.39	42.86	0.46
Draper's	Draper's_W	573	SCS100yr	7.39	175.13	175.73	175.5	175.75	0.002163	0.85	20.1	52.4	0.38
Draper's	Draper's_W	509	SCS100yr	7.39	174.85	175.59	175.37	175.61	0.002223	0.98	19.84	51.49	0.39
Draper's	Draper's_W	453	SCS100yr	7.39	174.65	175.5		175.51	0.001281	0.84	22.8	47.36	0.31
Draper's	Draper's_W	399	SCS100yr	7.39	173.79	175.46	174.57	175.48	0.000388	0.61	17.87	21.1	0.17
Draper's	Draper's_W	387	SCS100yr	7.39	173.42	175.46	174.15	175.47	0.000111	0.41	18.01	28.33	0.1
Draper's	Draper's_W	371		Culvert									
Draper's	Draper's_W	353	SCS100yr	7.39	173.28	175.35	174	175.36	0.000111	0.42	18.22	31.51	0.1
Draper's	Draper's_W	326	SCS100yr	7.39	173.72	175.36		175.36	0.000049	0.26	63.28	72.25	0.07
Draper's	Draper's_W	281	SCS100yr	7.39	173.75	175.35	174.32	175.35	0.000062	0.29	55.23	54.22	0.08
Draper's	Draper's_W	222	SCS100yr	7.39	173.75	175.35	174.19	175.35	0.000052	0.28	60.96	52.5	0.07
Draper's	Draper's_W	153	SCS100yr	7.39	173.59	175.35	173.97	175.35	0.000032	0.23	55.69	46.16	0.06
Draper's	Draper's_W	81	SCS100yr	7.39	173.31	175.34	173.9	175.35	0.000031	0.24	65.94	51.99	0.06
Draper's	Draper's_W	25	SCS100yr	7.39	173.34	175.34		175.35	0.000008	0.13	112.98	75.54	0.03
Draper's	Draper's	1553	SCS100yr	22.03	173.31	175.34	173.76	175.34	0.00004	0.28	94.51	61.37	0.06
Draper's	Draper's	1493	SCS100yr	22.03	173.25	175.34		175.34	0.000051	0.33	131.03	79.5	0.07
Draper's	Draper's	1425	SCS100yr	22.03	173.17	175.34	173.48	175.34	0.000031	0.26	172.12	93.51	0.06
Draper's	Draper's	1365	SCS100yr	22.03	172.72	175.34	173.4	175.34	0.000027	0.27	184.61	111.12	0.06
Draper's	Draper's	1299	SCS100yr	22.03	172.65	175.33		175.34	0.000018	0.22	220.61	114.94	0.04
Draper's	Draper's	1224	SCS100yr	22.03	172.46	175.33		175.33	0.000024	0.27	179.22	90.13	0.05
Draper's	Draper's	1150	SCS100yr	22.03	172.31	175.33		175.33	0.000016	0.23	201.95	84.37	0.04
Draper's	Draper's	1081	SCS100yr	22.03	172.12	175.33		175.33	0.000027	0.32	163.01	79.96	0.06
Draper's	Draper's	1001	SCS100yr	22.03	171.99	175.33	172.95	175.33	0.000021	0.28	194.02	104.31	0.05
Draper's	Draper's	947	SCS100yr	22.03	171.69	175.33	172.8	175.33	0.000013	0.23	217.92	102.59	0.04
Draper's	Draper's	873	SCS100yr	22.03	171.46	175.33	172.66	175.33	0.000014	0.25	233.27	111.95	0.04
Draper's	Draper's	825	SCS100yr	22.03	171.53	175.32		175.33	0.000015	0.26	178.52	85.37	0.04
Draper's	Draper's	784	SCS100yr	22.03	171.29	175.32		175.33	0.000017	0.29	181.64	78.2	0.05
Draper's	Draper's	739	SCS100yr	22.03	171.23	175.33		175.33	0.000005	0.15	393.6	161.3	0.02
Draper's	Draper's	663	SCS100yr	22.03	171.2	175.32		175.33	0.000009	0.21	263.43	103.57	0.03
Draper's	Draper's	571	SCS100yr	22.03	171.15	175.32	172.29	175.32	0.000006	0.18	285.35	98.59	0.03
Draper's	Draper's	501	SCS100yr	22.03	170.98	175.32	172.09	175.32	0.000013	0.27	185.7	67.56	0.04
Draper's	Draper's	444	SCS100yr	22.03	170.93	175.31	172.03	175.32	0.000048	0.51	81.28	46.78	0.08
Draper's	Draper's	425	SCS100yr	22.03	170.53	175.3	172.06	175.32	0.000082	0.66	68.89	77.42	0.1
Draper's	Draper's	412		Bridge									
Draper's	Draper's	396	SCS100yr	22.03	170.82	173.75	171.83	173.77	0.00014	0.66	46.57	36.24	0.13
Draper's	Draper's	374	SCS100yr	22.03	170.77	173.76	171.56	173.76	0.000041	0.37	111.98	113.29	0.07
Draper's	Draper's	215	SCS100yr	22.03	170.76	173.76	171.42	173.76	0.000014	0.21	243.09	190.87	0.04
Draper's	Draper's	134	SCS100yr	22.03	170.76	173.76	171.3	173.76	0.000004	0.12	436.87	288.64	0.02
Draper's	Draper's	71	SCS100yr	22.03	170.78	173.76	171.19	173.76	0	0.03	1082.79	478.35	0.01
Coyle	Disher_E1	1502	SCS100yr	2.69	177.91	178.82		178.82	0.000117	0.26	19.19	45.48	0.09
Coyle	Disher_E1	1426	SCS100yr	2.69	177.67	178.81		178.81	0.000043	0.18	32.78	82.33	0.06
Coyle	Ridgeville_W_DS	2401	SCS100yr	13.43	177.6	179.09	178.6	179.19	0.002291	1.56	14.56	177.72	0.43
Coyle	Ridgeville_W_DS	2332	SCS100yr	13.43	177.52	179.02		179.07	0.001127	1.16	28.47	262.68	0.32
Coyle	Ridgeville_W_DS	2268	SCS100yr	13.43	177.38	178.87	178.51	178.97	0.002138	1.55	20.72	116.1	0.43
Coyle	Ridgeville_W_DS	2175	SCS100yr	13.43	177.37	178.81		178.84	0.000736	0.92	37.84	118.21	0.25
Coyle	Ridgeville_W_DS	2082	SCS100yr	13.43	177.22	178.76	178.16	178.78	0.000518	0.8	40.99	101.67	0.21
Coyle	Ridgeville_W_DS	2016	SCS100yr	13.43	177.16	178.66		178.72	0.001337	1.31	21.96	66.24	0.35
Coyle	Ridgeville_W_DS	1936	SCS100yr	13.43	177.06	178.47		178.58	0.002286	1.58	11.9	31.96	0.45
Coyle	Ridgeville_W_DS	1864	SCS100yr	13.43	176.66	178.37		178.45	0.001332	1.35	16.71	40.68	0.35
Coyle	Ridgeville_W_DS	1780	SCS100yr	13.43	176.3	178.28		178.35	0.000916	1.24	13.43	10.67	0.3
Coyle	Ridgeville_W_DS	1736	SCS100yr	13.43	176.34	178.21		178.3	0.001428	1.48	16.43	49.63	0.36
Coyle	Ridgeville_W_DS	1665	SCS100yr	13.43	176.05	178.17	177.2	178.22	0.000701	1.15	23.37	55.79	0.26
Coyle	Ridgeville_W_DS	1587	SCS100yr	13.43	176.01	178.1	177.08	178.16	0.000757	1.2	19.47	39.24	0.27
Coyle	Ridgeville_W_DS	1495	SCS100yr	13.43	175.87	178.05		178.09	0.000667	1.05	26.84	70.5	0.23
Coyle	Ridgeville_W_DS	1428	SCS100yr	13.43	175.95	178.02		178.05	0.000452	0.93	33.71	89	0.21
Coyle	Ridgeville_W_DS	1346	SCS100yr	13.43	175.84	178.02		178.03	0.000124	0.46	68.49	147.35	0.11
Coyle	Ridgeville_W_DS	1263	SCS100yr	13.43	175.74	178.02		178.02	0.000046	0.33	108.2	200.41	0.07
Coyle	Ridgeville_W_DS	1185	SCS100yr	13.43	175.47	178.01		178.02	0.000047	0.35	81.21	83.63	0.07
Coyle	Ridgeville_W_DS	1109	SCS100yr	13.43	175.13	178.01		178.01	0.000024	0.27	116.68	128.89	0.05
Coyle	Ridgeville_W_DS	1050	SCS100yr	13.43	175.1	178.01		178.01	0.000036	0.25	104.95	104.17	0.05
Coyle	Ridgeville_W_DS	978	SCS100yr	13.43	174.89	178.01		178.01	0.000026	0.29	99.21	97.51	0.05
Coyle	Ridgeville_W_DS	957	SCS100yr	13.43	174.53	178	175.8	178.01	0.00003	0.3	75.14	101.76	0.06
Coyle	Ridgeville_W_DS	942		Culvert									
Coyle	Ridgeville_W_DS	931	SCS100yr	13.43	174.85	177.48	175.74	177.48	0.000015	0.2	54.77	52.65	0.04
Coyle	Ridgeville_W_DS	884	SCS100yr	13.43	174.86	177.48		177.48	0.000004	0.1	158.84	116.29	0.02
Coyle	Ridgeville_W_DS	840	SCS100yr	13.43	174.61	177.38	176.18	177.46	0.000813	1.43	12.09	102.06	0.28
Coyle	Ridgeville_W_DS	813		Culvert									
Coyle	Ridgeville_W_DS	793	SCS100yr	14.21	173.94	175.81	175.09	176	0.002249	1.89	7.51	7.48	0.45
Coyle	Ridgeville_W_DS	782	SCS100yr	14.21	174.07	175.66		175.93	0.004761	2.42	6.87	6.56	0.65

Project Name: Coyle Creek & Draper's Creek Floodplain Mapping
Project No.: 67230
Watershed: Niagara Pennisula Conservation Authority (NPCA)
River: Multiple
Reach: Multiple

Table1 HEC-RAS Hydraulic Output Summary
Plan File: Ex_Coyle_Draper_1D Split .p06

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	WS Elev (m)	Crit WS (m)	EG Elev (m)	EG Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Coyle	Ridgeville_W_DS	719	SCS100yr	14.21	173.84	175.37		175.62	0.004831	2.33	7.22	7.05	0.64
Coyle	Ridgeville_W_DS	636	SCS100yr	14.21	173.67	175.2	174.68	175.33	0.002214	1.64	11.34	28.73	0.44
Coyle	Ridgeville_W_DS	560	SCS100yr	14.21	173.64	175.05		175.15	0.002235	1.56	13.67	26.27	0.44
Coyle	Ridgeville_W_DS	485	SCS100yr	14.21	173.6	174.93	174.67	174.99	0.001734	1.3	18.04	37.26	0.38
Coyle	Ridgeville_W_DS	409	SCS100yr	14.21	173.15	174.84		174.89	0.001026	1.19	26.4	76.66	0.31
Coyle	Ridgeville_W_DS	341	SCS100yr	14.21	173.05	174.81		174.83	0.00043	0.81	33.34	46.6	0.2
Coyle	Ridgeville_W_DS	274	SCS100yr	14.21	172.49	174.82		174.82	0.000039	0.29	113.74	132.92	0.06
Coyle	Ridgeville_E_DS	1659	SCS100yr	16	176.42	178.98	177.69	178.98	0.000132	0.44	91.94	109.79	0.09
Coyle	Ridgeville_E_DS	1588	SCS100yr	16	176.56	178.98	177.28	178.98	0.000009	0.14	302.55	229.86	0.03
Coyle	Ridgeville_E_DS	1568	SCS100yr	16	176.52	178.95	177.43	178.97	0.000214	0.7	26.6	324.11	0.15
Coyle	Ridgeville_E_DS	1559		Bridge									
Coyle	Ridgeville_E_DS	1545	SCS100yr	16	176.1	177.47	177.09	177.62	0.003148	1.74	11.04	154.48	0.52
Coyle	Ridgeville_E_DS	1532	SCS100yr	16	175.98	177.52		177.54	0.000914	1.02	54.25	121.42	0.28
Coyle	Ridgeville_E_DS	1481	SCS100yr	16	175.81	177.44		177.48	0.001547	1.33	40.28	92.46	0.36
Coyle	Ridgeville_E_DS	1412	SCS100yr	16	175.74	177.17		177.31	0.003602	1.87	17.59	41.01	0.54
Coyle	Ridgeville_E_DS	1357	SCS100yr	16	175.56	177.11		177.15	0.001635	1.37	35.59	71.21	0.37
Coyle	Ridgeville_E_DS	1292	SCS100yr	16	175.4	177.04		177.07	0.000994	1.13	39.56	67.86	0.3
Coyle	Ridgeville_E_DS	1240	SCS100yr	16	175.34	177		177.03	0.000908	1.07	40.47	74.24	0.28
Coyle	Ridgeville_E_DS	1196	SCS100yr	16	175.13	176.93		176.98	0.001409	1.41	32.39	58.72	0.35
Coyle	Ridgeville_E_DS	1151	SCS100yr	16	175.2	176.83		176.91	0.001791	1.53	26.95	54.11	0.4
Coyle	Ridgeville_E_DS	1086	SCS100yr	16	174.97	176.79		176.82	0.000786	1.08	48.98	103.5	0.27
Coyle	Ridgeville_E_DS	992	SCS100yr	16	175.18	176.73		176.75	0.000687	0.85	43.65	63.87	0.24
Coyle	Ridgeville_E_DS	904	SCS100yr	16	174.93	176.72	176.04	176.72	0.000236	0.58	72.19	83.07	0.15
Coyle	Ridgeville_E_DS	822	SCS100yr	16	174.84	176.69		176.7	0.000396	0.79	47.61	64.61	0.19
Coyle	Ridgeville_E_DS	763	SCS100yr	16	174.63	176.68		176.69	0.000114	0.46	84.53	83.97	0.11
Coyle	Ridgeville_E_DS	675	SCS100yr	16	174.47	176.68	175.44	176.68	0.000053	0.32	93.64	103.19	0.07
Coyle	Ridgeville_E_DS	589	SCS100yr	16	174.52	176.67	175.43	176.67	0.000052	0.32	88.51	77.26	0.07
Coyle	Ridgeville_E_DS	483	SCS100yr	16	174.16	176.67		176.67	0.000047	0.34	95.6	68.08	0.07
Coyle	Ridgeville_E_DS	409	SCS100yr	16	173.94	176.66		176.67	0.000054	0.38	106.61	79.36	0.08
Coyle	Ridgeville_E_DS	334	SCS100yr	16	174.03	176.66		176.66	0.000023	0.24	147.34	105.46	0.05
Coyle	Ridgeville_E_DS	264	SCS100yr	16	173.99	176.66		176.66	0.000007	0.13	282.38	151.48	0.03
Coyle	Ridgeville_E_DS	231	SCS100yr	16	173.1	176.63	174.27	176.65	0.000172	0.73	23.26	143.51	0.13
Coyle	Ridgeville_E_DS	194		Culvert									
Coyle	Ridgeville_E_DS	171	SCS100yr	16	172.94	174.78	174.19	174.95	0.002882	1.85	9.43	45.39	0.47
Coyle	Ridgeville_E_DS	103	SCS100yr	16	172.93	174.84		174.85	0.00028	0.62	52.49	78.24	0.15
Coyle	Ridgeville_E_DS	102	SCS100yr	16	172.91	174.83		174.84	0.000215	0.53	63.88	92.2	0.13
Coyle	Ridgeville_E_DS	29	SCS100yr	16	172.63	174.83		174.83	0.000101	0.4	85.73	133.07	0.09
Coyle	Coyle_T2_DS	1050	SCS100yr	7.45	177.73	178.41	178.21	178.42	0.001695	0.81	16.79	45.21	0.34
Coyle	Coyle_T2_DS	976	SCS100yr	7.45	177.48	178.29		178.31	0.001435	0.8	16.9	46.9	0.32
Coyle	Coyle_T2_DS	878	SCS100yr	7.45	177.1	178.02	177.95	178.08	0.003825	1.33	10.44	39.5	0.52
Coyle	Coyle_T2_DS	795	SCS100yr	7.45	176.95	177.82	177.65	177.84	0.00216	0.89	14.68	46.02	0.38
Coyle	Coyle_T2_DS	705	SCS100yr	7.45	176.85	177.53		177.58	0.004367	1.2	11.33	46.08	0.54
Coyle	Coyle_T2_DS	628	SCS100yr	7.45	176.5	177.45		177.46	0.000639	0.65	24.44	62.47	0.22
Coyle	Coyle_T2_DS	541	SCS100yr	7.45	176.31	177.32	177.22	177.36	0.002789	1.22	16.52	66.93	0.45
Coyle	Coyle_T2_DS	475	SCS100yr	7.45	176.12	177.09	177	177.14	0.003369	1.34	14.6	45.33	0.49
Coyle	Coyle_T2_DS	380	SCS100yr	7.45	175.94	177.03	176.61	177.04	0.000461	0.55	27.51	53.21	0.19
Coyle	Coyle_T2_DS	299	SCS100yr	7.45	175.89	176.99		177	0.000439	0.57	27.87	43.49	0.19
Coyle	Coyle_T2_DS	202	SCS100yr	7.45	175.66	176.98		176.98	0.000071	0.27	53.31	62.97	0.08
Coyle	Coyle_T2_DS	142	SCS100yr	7.45	175.13	176.98		176.98	0.000072	0.33	49.63	54.04	0.08
Coyle	Coyle_T2_DS	79	SCS100yr	7.45	174.61	176.98	175.8	176.98	0.000026	0.24	83.19	78.01	0.05
Coyle	Coyle_T2_DS	29	SCS100yr	7.45	174.12	176.98		176.98	0.000011	0.18	105.51	101.69	0.03
Coyle	Disher_E2	956	SCS100yr	1.22	180.07	180.51	180.39	180.52	0.001264	0.4	2.97	30.36	0.26
Coyle	Disher_E2	932	SCS100yr	1.22	179.93	180.51	180.12	180.51	0.000177	0.2	7.87	48.69	0.1
Coyle	Disher_E2	880	SCS100yr	1.22	179.93	180.49	180.22	180.49	0.00045	0.32	9.55	52.68	0.16
Coyle	Disher_E2	813	SCS100yr	1.22	179.87	180.4	180.21	180.43	0.003198	0.77	2.03	19.2	0.42
Coyle	Disher_E2	732	SCS100yr	1.22	179.55	180.14	179.91	180.17	0.003126	0.76	1.6	4.58	0.41
Coyle	Disher_E2	638	SCS100yr	1.22	179.39	179.95	179.7	179.97	0.001546	0.55	2.24	6.47	0.3
Coyle	Disher_E2	571	SCS100yr	1.22	179.28	179.87	179.57	179.88	0.00102	0.42	3.29	18.84	0.24
Coyle	Disher_E2	465	SCS100yr	1.22	179.18	179.62	179.51	179.66	0.005681	0.88	1.57	9.91	0.54
Coyle	Disher_E2	356	SCS100yr	1.22	179.16	179.49		179.49	0.000656	0.24	7.83	76.79	0.18
Coyle	Disher_E2	280	SCS100yr	1.22	179.13	179.4	179.31	179.41	0.002506	0.42	4.62	41.41	0.34
Coyle	Disher_E2	196	SCS100yr	1.22	178.71	178.87	178.87	178.91	0.02616	0.92	1.33	14.84	0.98
Coyle	Disher_E2	108	SCS100yr	1.22	178.13	178.81	178.46	178.81	0.000173	0.19	9.48	86.68	0.1
Coyle	Disher_E2	25	SCS100yr	1.22	177.95	178.81	178.25	178.81	0.000006	0.05	54.05	195.61	0.02
Coyle	Disher_E	1376	SCS100yr	10.59	177.58	178.8		178.8	0.000252	0.43	59.47	209.54	0.14
Coyle	Disher_E	1265	SCS100yr	10.59	177.33	178.79	178.07	178.79	0.000093	0.32	69.79	105.15	0.09
Coyle	Disher_E	1190	SCS100yr	10.59	177.15	178.78		178.78	0.000065	0.29	75.99	125.32	0.08
Coyle	Disher_E	1171	SCS100yr	10.59	176.67	178.75	177.76	178.77	0.000178	0.49	17.49	101.42	0.12
Coyle	Disher_E	1159		Culvert									
Coyle	Disher_E	1149	SCS100yr	10.59	176.41	178.23	177.3	178.27	0.000604	0.85	12.45	60.61	0.23
Coyle	Disher_E	1125	SCS100yr	10.59	176.49	178.22	177.53	178.25	0.000734	1.02	21.73	50.07	0.26
Coyle	Disher_W	2248	SCS100yr	6.22	179.05	180.17		180.19	0.000948	0.81	9.9	71.04	0.26
Coyle	Disher_W	2192	SCS100yr	6.22	178.88	180.04	179.67	180.11	0.002105	1.26	10.04	58.14	0.41
Coyle	Disher_W	2113	SCS100yr	6.22	178.8	180.06	179.31	180.06	0.000188	0.4	39.37	84.25	0.12
Coyle	Disher_W	2032	SCS100yr	6.22	178.76	180.03	179.64	180.04	0.000412	0.6	34.47	114.27	0.18
Coyle	Disher_W	1957	SCS100yr	6.22	178.69	179.96	179.56	179.99	0.00102	0.95	17.42	64.58	0.29
Coyle	Disher_W	1895	SCS100yr	6.22	178.61	179.86	179.42	179.91	0.001601	1.15	14.25	83.7	0.35
Coyle	Disher_W	1809	SCS100yr	6.22	178.66	179.78	179.43	179.79	0.000954	0.75	21.74	122.46	0.24
Coyle	Disher_W	1745	SCS100yr	6.22	178.61	179.72		179.73	0.000851	0.67	25.57	115.32	0.22
Coyle	Disher_W	1687	SCS100yr	6.22	178.53	179.72	179.27	179.72	0.000096	0.27	67.67	217.06	0.09
Coyle	Disher_W	1627	SCS100yr	6.22	178.53	179.71	179.34	179.71	0.000141	0.31	60.29	255.99	0.1
Coyle	Disher_W	1527	SCS100yr	6.22	178.46	179.64	179.48	179.68	0.001478	1.12	16.58	108.81	0.35
Coyle	Disher_W	1481	SCS100yr	6.22	178.45	179.6	179.32	179.62	0.00103	0.86	16	84.71	0.28
Coyle	Disher_W	1402	SCS100yr	6.22	178.42	179.52	179.08	179.55	0.000938	0.85	13.4	49.34	0.27
Coyle	Disher_W	1321	SCS100yr	6.22	178.34	179.5	179.04	179.51	0.000219	0.36	30.77	164.46	0.12
Coyle	Disher_W	1241	SCS100yr	6.22	178.32	179.48	179.17	179.49	0.000366	0.52	29.5	170.68	0.17
Coyle	Disher_W	1171	SCS100yr	6.22	178.15	179.45	179.04	179.46	0.000479	0.61	19.91	109.59	0.18
Coyle	Disher_W	1108	SCS100yr	6.22	178.11	179.42		179.43	0.000384	0.59	20.88	103.57	0.18
Coyle	Disher_W	1020	SCS100yr	6.22	178.13	179.39		179.39	0.000414	0.58	23.53	118.99	0.18
Coyle	Disher_W	948	SCS100yr	6.22	178.01	179.36		179.37	0.000301	0.54	28.11	111.53	0.16
Coyle	Disher_W	894	SCS100yr	6.22	177.91	179.35		179.35	0.000219	0.44	40.41	161.54	0.12
Coyle	Disher_W	865	SCS100yr	6.22	177.57	179.35	178.3	179.35	0.000038	0.21	44.98	176.13	0.06
Coyle	Disher_W	849		Culvert									
Coyle	Disher_W	840	SCS100yr	6.22	177.55	179.22	178.34	179.23	0.00024	0.52	24.11	94.64	0.14
Coyle	Disher_W	818	SCS100yr	6.22	177.72	179.19	178.52	179.22	0.000673	0.86	14.65	53.4	0.24
Coyle	Disher_W	757	SCS100yr	6.22	177.67	179.11	178.51	179.16	0.001139	1.1	8.3	16.63	0.31
Coyle	Disher_W	717	SCS100yr	6.22	177.57	179.1		179.12	0.000556	0.79	18.63	66.09	0.22
Coyle	Disher_W	651	SCS100yr	6.22	177.39	179.06	178.31	179.08	0.000613	0.89	14.98	47.13	0.23
Coyle	Disher_W	574	SCS100yr	6.22	177.33	178.97		179.02	0.000906	1.07	9.75	28.34	0.28
Coyle	Disher_W	528	SCS100yr	6.22	177.3	178.99		178.99	0.000202	0.51	33.82	105.73	0.13
Coyle	Disher_W	516	SCS100yr	6.22	176.99	178.95	178.05	178.98	0.000635	0.89	8.73	69.2	0.23
Coyle	Disher_W	502		Culvert									
Coyle	Disher_W	494	SCS100yr	6.22	177.1	178.51	177.93	178.6	0.001541	1.22	4.77	54.09	0.35
Coyle	Disher_W	469	SCS100yr	6.22	177.09	178.5	177.97	178.54	0.001236	1.11	8.63	42.32	0.32
Coyle	Disher_W	409	SCS100yr	6.22	176.97	178.4	177.79	178.47	0.001314	1.17	6.41	7.22	0.33
Coyle	Disher_W	331	SCS100yr	6.22	176.78	178.32	177.67	178.37	0.001054	1.1	7.88	11.34	0.3
Coyle	Disher_W	243	SCS100yr	6.22	176.66	178.26	177.58	178.29	0.000745	0.94	12.65	31.78	0.25
Coyle	Disher_W	146	SCS100yr	6.22	176.5	178.2	177.33	178.23	0.000512	0.83	14.91	45.23	0.21
Coyle	Disher_W	51	SCS100yr	6.22	176.51	178.18		178.19	0.000205	0.53	23.54	45.13	0.14
Coyle	Coyle_5	9665	SCS100yr	13.88	176.42	177.78	177.45	177.79	0.000685	0.82	63.23	216.13	0.24
Coyle	Coyle_5	9577	SCS100yr	13.88	176.28	177.72	177.43	177.73	0.000636	0.84	63.29	245.76	0.23
Coyle	Coyle_5	9523	SCS100yr	13.88	175.88	177.7	176.91	177.71	0.000318	0.65	80.26	274.31	0.17
Coyle	Coyle_5	9503		Culvert									
Coyle	Coyle_5	9483	SCS100yr	13.88	175.69	177.65	176.72	177.68	0.000466	0.87	29.21	131.5	0.21
Coyle	Coyle_5	9450	SCS100yr	13.88	175.96	177.64	176.93	177.66	0.000574	0.89	43.96	138.59	0.23
Coyle	Coyle_5	9372	SCS100yr	13.88	175.76	177.6	176.77	177.62	0.000462	0.85	42.09	124.11	0.21
Coyle	Coyle_5	9286	SCS100yr	13.88	175.7	177.54	176.79	177.58	0.000663	1.02	42.29	170.85	0.25
Coyle	Coyle_5	9200	SCS100yr	13.88	175.62	177.52	176.6	177.53	0.000306	0.71	50.74	119.93	0.17
Coyle	Coyle_5	9123	SCS100yr	13.88	175.52	177.51	176.59	177.51	0.0002	0.59	61.85	114.99	0.14
Coyle	Coyle_5	9052	SCS100yr	13.88	175.45	177.49	176.36	177.5	0.000207	0.61	54.05	117.64	0.14
Coyle	Coyle_5	8951	SCS100yr	13.88	175.35	177.48	176.4	177.48	0.000103	0.44	77.58	151.63	0.1
Coyle	Coyle_5	8868	SCS100yr	13.88	175.23	177.47		177.48	0.000056	0.34	111.12	202.38	0.08
Coyle	Coyle_5	8775	SCS100yr	13.88	175.26	177.46	176.28	177.47	0.000119	0.5	72.65	124.61	0.11
Coyle	Coyle_5	8698	SCS100yr	13.88	175.12	177.46	176.08	177.46	0.000061	0.37	91.66	140.67	0.08

Project Name: Coyle Creek & Draper's Creek Floodplain Mapping
Project No.: 67230
Watershed: Niagara Pennisula Conservation Authority (NPCA)
River: Multiple
Reach: Multiple

Table1 HEC-RAS Hydraulic Output Summary
Plan File: Ex_Coyle_Draper_1D Split .p06

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	WS Elev (m)	Crit WS (m)	EG Elev (m)	EG Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Coyle	Coyle_5	8630	SCS100yr	13.88	175.16	177.45	176.24	177.45	0.000127	0.52	54.57	63.3	0.11
Coyle	Coyle_5	8580	SCS100yr	13.88	175.12	177.44	176.2	177.45	0.000133	0.53	53.63	66.71	0.12
Coyle	Coyle_5	8545	SCS100yr	13.88	174.6	177.44	175.87	177.45	0.00002	0.22	49.32	94.71	0.05
Coyle	Coyle_5	8531		Bridge									
Coyle	Coyle_5	8519	SCS100yr	14.96	174.62	177.32	175.79	177.32	0.000022	0.23	84.33	132.19	0.05
Coyle	Coyle_5	8477	SCS100yr	14.96	175.01	177.31	175.95	177.32	0.00011	0.5	70.93	98.24	0.11
Coyle	Coyle_5	8391	SCS100yr	14.96	174.94	177.3	175.93	177.31	0.000157	0.6	54.68	72.28	0.13
Coyle	Coyle_5	8305	SCS100yr	14.96	174.9	177.29	175.84	177.3	0.000109	0.51	61.8	66.73	0.11
Coyle	Coyle_5	8217	SCS100yr	14.96	174.66	177.28	175.75	177.29	0.00008	0.46	75.99	80.91	0.09
Coyle	Coyle_5	8137	SCS100yr	14.96	174.68	177.28	175.82	177.28	0.000085	0.47	86.09	104.13	0.1
Coyle	Coyle_5	8069	SCS100yr	14.96	174.6	177.27	175.56	177.28	0.000107	0.54	69.44	87.28	0.11
Coyle	Coyle_5	7992	SCS100yr	14.96	174.72	177.26		177.27	0.000127	0.57	53.5	48.42	0.12
Coyle	Coyle_5	7930	SCS100yr	14.96	174.42	177.26		177.26	0.000029	0.29	112.29	102.58	0.06
Coyle	Disher	1008	SCS100yr	17.51	176.44	178.14	177.7	178.17	0.00069	0.99	35.5	56.08	0.25
Coyle	Disher	924	SCS100yr	17.51	175.47	178.09	176.61	178.13	0.000345	0.82	21.26	67.32	0.18
Coyle	Disher	910		Culvert									
Coyle	Disher	898	SCS100yr	17.51	175.65	177.71	176.94	177.87	0.002076	1.82	10.26	20.69	0.43
Coyle	Disher	874	SCS100yr	17.51	175.66	177.65		177.81	0.00229	1.95	12.47	41.01	0.46
Coyle	Disher	819	SCS100yr	17.51	175.53	177.63	176.89	177.7	0.001077	1.38	21.24	24.91	0.32
Coyle	Disher	736	SCS100yr	17.51	175.44	177.55		177.61	0.001068	1.39	27.09	48.01	0.32
Coyle	Disher	658	SCS100yr	17.51	175.39	177.5	176.78	177.54	0.000627	1.09	38.09	61.93	0.25
Coyle	Disher	588	SCS100yr	17.51	175.26	177.33	176.67	177.46	0.001764	1.79	17.29	28.13	0.41
Coyle	Disher	508	SCS100yr	17.51	175.2	177.35		177.37	0.000415	0.89	46.38	63.48	0.2
Coyle	Disher	435	SCS100yr	17.51	175.13	177.33		177.34	0.000353	0.83	50.04	65.79	0.19
Coyle	Disher	343	SCS100yr	17.51	174.97	177.3	176.55	177.31	0.000287	0.77	48.1	55.59	0.17
Coyle	Disher	279	SCS100yr	17.51	175.01	177.29		177.29	0.000182	0.61	58.2	64.14	0.14
Coyle	Disher	215	SCS100yr	17.51	174.78	177.28	176.35	177.28	0.000118	0.52	79.65	79.02	0.11
Coyle	Disher	146	SCS100yr	17.51	174.72	177.27		177.28	0.000096	0.48	77.97	80.79	0.1
Coyle	Disher	72	SCS100yr	17.51	174.7	177.26	176.12	177.27	0.0002	0.7	53.95	62.12	0.15
Coyle	Disher	17	SCS100yr	17.51	174.71	177.26		177.26	0.00004	0.31	124.7	131.41	0.07
Coyle	Ridgeville	242	SCS100yr	31.23	172.47	174.8	174.05	174.82	0.000324	0.85	70.9	69.77	0.18
Coyle	Ridgeville	151	SCS100yr	31.23	172.32	174.79		174.8	0.000144	0.59	107.06	96.36	0.12
Coyle	Ridgeville	82	SCS100yr	31.23	172.15	174.76	173.35	174.78	0.000242	0.81	70.36	76.27	0.16
Coyle	Ridgeville	23	SCS100yr	31.23	172.16	174.74	173.14	174.77	0.000227	0.77	50.89	34.6	0.16
Coyle	Coyle_4	7906	SCS100yr	29.63	174.34	177.26		177.26	0.000061	0.43	153.9	136.11	0.08
Coyle	Coyle_4	7863	SCS100yr	29.63	174.11	177.25		177.26	0.000089	0.55	124.98	120.36	0.1
Coyle	Coyle_4	7805	SCS100yr	29.63	174.13	177.24	175.7	177.25	0.000139	0.69	88.23	70.57	0.13
Coyle	Coyle_4	7745	SCS100yr	29.63	174.16	177.23		177.24	0.000151	0.7	98.04	99.61	0.13
Coyle	Coyle_4	7722	SCS100yr	29.63	173.35	177.23	174.93	177.24	0.000092	0.6	103.48	94.27	0.1
Coyle	Coyle_4	7715		Culvert									
Coyle	Coyle_4	7708	SCS100yr	29.63	173.92	177.01	175.28	177.03	0.000163	0.74	87.29	93.29	0.14
Coyle	Coyle_4	7652	SCS100yr	29.63	173.83	177.01		177.02	0.000143	0.7	93.16	82.2	0.13
Coyle	Coyle_4	7598	SCS100yr	29.63	173.79	177		177.01	0.000167	0.75	83.98	73.09	0.14
Coyle	Coyle_4	7545	SCS100yr	29.63	173.76	176.98		177	0.000211	0.86	76.42	64.81	0.15
Coyle	Coyle_4	7508	SCS100yr	29.63	173.4	176.98	175.15	176.99	0.000147	0.69	102.55	79.57	0.12
Coyle	Coyle_4	7501		Culvert									
Coyle	Coyle_4	7495	SCS100yr	29.63	173.43	176.97	175.11	176.99	0.000144	0.75	99.92	79.05	0.13
Coyle	Coyle_4	7435	SCS100yr	29.63	173.56	176.96		176.98	0.000151	0.73	111.15	102.44	0.13
Coyle	Coyle_3	7409	SCS100yr	39.78	173.56	176.95		176.97	0.000219	0.9	126.54	101.09	0.16
Coyle	Coyle_3	7354	SCS100yr	39.78	173.44	176.87		176.95	0.00056	1.47	55.07	62.25	0.26
Coyle	Coyle_3	7291	SCS100yr	39.78	173.51	176.8		176.9	0.000704	1.6	37.53	26.44	0.29
Coyle	Coyle_3	7206	SCS100yr	39.78	173.41	176.78	175.21	176.84	0.000497	1.37	47.94	25.86	0.24
Coyle	Coyle_3	7167	SCS100yr	39.78	173.33	176.78	175	176.83	0.000076	0.54	48.85	58.82	0.09
Coyle	Coyle_3	7155		Culvert									
Coyle	Coyle_3	7138	SCS100yr	39.78	173.37	176.46	174.39	176.49	0.000197	0.84	72.63	75.61	0.15
Coyle	Coyle_3	7096	SCS100yr	39.78	173.39	176.46		176.48	0.000206	0.84	101.58	66.42	0.16
Coyle	Coyle_3	7036	SCS100yr	39.78	173.41	176.44	175.03	176.47	0.000291	0.96	99.77	73.05	0.18
Coyle	Coyle_3	7011	SCS100yr	39.78	173.37	176.35	174.82	176.44	0.000647	1.46	38.13	106.71	0.27
Coyle	Coyle_3	6996		Bridge									
Coyle	Coyle_3	6984	SCS100yr	39.78	173.14	176.05	174.66	176.25	0.000668	1.43	23.69	64	0.27
Coyle	Coyle_3	6952	SCS100yr	39.78	173.11	176.1		176.17	0.000574	1.35	50.1	44.66	0.26
Coyle	Coyle_3	6886	SCS100yr	39.78	173.14	176.07	174.79	176.13	0.000526	1.28	56.07	49.6	0.24
Coyle	Coyle_3	6811	SCS100yr	39.78	173.08	176.03		176.09	0.000531	1.28	58.76	63.34	0.25
Coyle	Coyle_3	6726	SCS100yr	39.78	173.12	175.99		176.04	0.00048	1.21	62.12	61.84	0.23
Coyle	Coyle_3	6643	SCS100yr	39.78	173.09	175.94		176	0.000567	1.31	53.26	52.64	0.25
Coyle	Coyle_3	6590	SCS100yr	39.78	173.08	175.92	174.56	175.97	0.000489	1.22	58.55	54.73	0.23
Coyle	Coyle_3	6552	SCS100yr	39.78	173.05	175.91	174.94	175.95	0.000456	1.16	64.16	54.6	0.23
Coyle	Coyle_3	6515	SCS100yr	39.78	172.87	175.91	174.43	175.93	0.000222	0.86	94.52	80.09	0.16
Coyle	Coyle_3	6429	SCS100yr	39.78	172.88	175.89	174.34	175.91	0.000198	0.81	113.77	139.9	0.15
Coyle	Coyle_3	6322	SCS100yr	39.78	172.87	175.88	174.31	175.89	0.000133	0.66	124.27	134.14	0.12
Coyle	Coyle_3	6248	SCS100yr	39.78	172.86	175.86	174.4	175.88	0.000204	0.82	90.75	73.84	0.15
Coyle	Coyle_3	6185	SCS100yr	39.78	172.84	175.85		175.86	0.000164	0.73	107.25	79.48	0.14
Coyle	Coyle_3	6131	SCS100yr	39.78	172.87	175.82	175.12	175.85	0.00051	1.2	81	98.33	0.23
Coyle	Coyle_3	6128		Culvert									
Coyle	Coyle_3	6123	SCS100yr	39.78	172.83	175.83	174.67	175.84	0.000165	0.7	122.8	125.39	0.13
Coyle	Coyle_3	6052	SCS100yr	39.78	172.8	175.79		175.82	0.000322	1.02	74.71	67.72	0.19
Coyle	Coyle_3	5980	SCS100yr	39.78	172.81	175.77		175.79	0.000256	0.91	82.61	67.75	0.17
Coyle	Coyle_3	5923	SCS100yr	39.78	172.82	175.75		175.78	0.000301	0.98	83.73	77.83	0.18
Coyle	Coyle_3	5854	SCS100yr	39.78	172.58	175.7		175.75	0.000394	1.17	74.97	96.35	0.21
Coyle	Coyle_3	5775	SCS100yr	39.78	172.55	175.68	174.03	175.72	0.000338	1.08	78.08	81.37	0.2
Coyle	Coyle_3	5707	SCS100yr	39.78	172.62	175.66		175.7	0.000344	1.07	77.75	64.08	0.2
Coyle	Coyle_3	5645	SCS100yr	39.78	172.59	175.63		175.67	0.000379	1.12	70.49	70.75	0.21
Coyle	Coyle_3	5575	SCS100yr	39.78	172.58	175.62		175.65	0.000248	0.91	113.32	110.56	0.17
Coyle	Coyle_3	5484	SCS100yr	39.78	172.61	175.57		175.62	0.000378	1.1	67.53	56.16	0.21
Coyle	Coyle_3	5398	SCS100yr	39.78	172.6	175.57		175.59	0.000179	0.77	91.11	75.29	0.14
Coyle	Coyle_3	5334	SCS100yr	39.78	172.59	175.55		175.57	0.000236	0.87	88.3	67.56	0.16
Coyle	Coyle_3	5259	SCS100yr	39.78	172.54	175.53		175.56	0.000242	0.89	79.92	54.38	0.17
Coyle	Coyle_3	5220	SCS100yr	39.78	172.48	175.52		175.55	0.00029	0.98	83.47	74.37	0.18
Coyle	Coyle_3	5186	SCS100yr	39.78	172	175.49	173.46	175.53	0.000257	0.97	50.29	104.33	0.17
Coyle	Coyle_3	5171		Bridge									
Coyle	Coyle_3	5158	SCS100yr	39.78	172.15	175.13	173.52	175.2	0.000241	0.85	38.27	76.25	0.16
Coyle	Coyle_3	5126	SCS100yr	39.78	172.36	175.14		175.17	0.000283	0.92	74.54	66.18	0.18
Coyle	Coyle_3	5049	SCS100yr	39.78	172.42	175.07		175.14	0.00061	1.29	47.43	34.49	0.26
Coyle	Coyle_3	4976	SCS100yr	39.78	172.63	174.83		175.05	0.002188	2.16	21.65	14.38	0.48
Coyle	Coyle_3	4918	SCS100yr	39.78	172.38	174.89		174.95	0.000474	1.11	47.15	38.96	0.23
Coyle	Coyle_3	4861	SCS100yr	39.78	172.39	174.89		174.92	0.000339	0.93	74.66	63.38	0.19
Coyle	Coyle_3	4786	SCS100yr	39.78	172.3	174.86		174.89	0.000413	1.05	77.21	67.25	0.21
Coyle	Coyle_3	4706	SCS100yr	39.78	172.27	174.81		174.86	0.000501	1.14	66.6	55.2	0.23
Coyle	Coyle_3	4615	SCS100yr	39.78	172.17	174.81		174.83	0.000132	0.61	94.01	70.16	0.12
Coyle	Coyle_3	4542	SCS100yr	39.78	172.15	174.81		174.82	0.00012	0.58	122.94	100.29	0.12
Coyle	Coyle_3	4451	SCS100yr	39.78	172.11	174.78	173.28	174.8	0.000241	0.82	83.3	79.39	0.16
Coyle	Coyle_3	4422	SCS100yr	39.78	172.07	174.77		174.79	0.000252	0.85	76.85	57.37	0.17
Coyle	Coyle_3	4355	SCS100yr	39.78	172.13	174.73		174.77	0.000362	1	54.76	59.13	0.2
Coyle	Swayze	3643	SCS100yr	4.16	180.24	181.36	180.97	181.36	0.000138	0.31	48.51	250.13	0.1
Coyle	Swayze	3574	SCS100yr	4.16	180.01	181.28	180.88	181.33	0.001688	1.15	7.57	29.17	0.36
Coyle	Swayze	3506	SCS100yr	4.16	179.95	180.99	180.76	181.14	0.005016	1.73	2.82	11.7	0.59
Coyle	Swayze	3422	SCS100yr	4.16	179.8	180.92	180.65	180.93	0.001028	0.76	19.58	119.41	0.26
Coyle	Swayze	3348	SCS100yr	4.16	179.55	180.39	180.39	180.71	0.016292	2.5	1.78	3.34	0.97
Coyle	Swayze	3276	SCS100yr	4.16	179.47	180.4	180.08	180.41	0.000844	0.41	21.04	101	0.15
Coyle	Swayze	3210	SCS100yr	4.16	179.43	180.36	180.02	180.36	0.000626	0.31	32.02	220.26	0.12
Coyle	Swayze	3150	SCS100yr	4.16	179.35	180.31	180.07	180.32	0.000775	0.63	30.18	253.82	0.23
Coyle	Swayze	3089	SCS100yr	5.14	179.25	180.23	180.06	180.25	0.001568	0.94	21.16	201.13	0.33
Coyle	Swayze	3025	SCS100yr	5.14	179.2	180.24		180.24	0.000027	0.08	127.26	582.43	0.03
Coyle	Swayze	2955	SCS100yr	5.14	179.18	180.23	180.01	180.23	0.00007	0.21	48.66	305.1	0.07
Coyle	Swayze	2875	SCS100yr	5.14	178.94	180.23	179.66	180.23	0	0.01	408.32	918	0
Coyle	Swayze	2870		Culvert									
Coyle	Swayze	2856	SCS100yr	5.53	178.78	180.23	179.49	180.23	0.000043	0.21	78.4	338.89	0.06
Coyle	Swayze	2821	SCS100yr	5.53	178.87	180.23	179.88	180.23	0.000045	0.21	95.79	366.82	0.06
Coyle	Coyle_1&2	4297	SCS100yr	58.91	172.07	174.73		174.76	0.000195	0.75	89.57	51.74	0.15
Coyle	Coyle_1&2	4212	SCS100yr	58.91	172.08	174.69	173.03	174.73	0.000345	0.99	67.16	33.01	0.2
Coyle	Coyle_1&2	4163	SCS100yr	58.91	172.09	174.67	173.04	174.72	0.000315	0.93	73.17	46.14	0.19
Coyle	Coyle_1&2	4097	SCS100yr	58.91	172.07	174.6	173.26	174.68	0.000669	1.34	50.32	26.13	0.27
Coyle	Coyle_1&2	4015	SCS100yr	58.91	171.68	174.6		174.63	0.000298	0.98	89.16	65.4	0.19
Coyle	Coyle_1&2	3917	SCS100yr	58.91	171.68	174.59		174.61	0.000235	0.87	128.02	110.34	0.16

Project Name: Coyle Creek & Draper's Creek Floodplain Mapping
Project No.: 67230
Watershed: Niagara Pennisula Conservation Authority (NPCA)
River: Multiple
Reach: Multiple

Table1 HEC-RAS Hydraulic Output Summary
Plan File: Ex_Coyle_Draper_1D Split .p06

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	WS Elev (m)	Crit WS (m)	EG Elev (m)	EG Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Coyle	Coyle_1&2	3816	SCS100yr	58.91	171.17	174.58		174.59	0.000111	0.66	180.18	121.37	0.12
Coyle	Coyle_1&2	3787	SCS100yr	58.91	171.18	174.58		174.59	0.000046	0.42	276.82	182.92	0.07
Coyle	Coyle_1&2	3734	SCS100yr	58.91	171.17	174.57		174.58	0.000098	0.62	170.73	99.09	0.11
Coyle	Coyle_1&2	3676	SCS100yr	58.91	171.15	174.55		174.57	0.000199	0.88	134.25	72.27	0.15
Coyle	Coyle_1&2	3630	SCS100yr	58.91	171.16	174.55		174.56	0.000186	0.85	168.62	101.94	0.15
Coyle	Coyle_1&2	3573	SCS100yr	58.91	171.18	174.52	173.01	174.55	0.000314	1.09	124.82	102.39	0.19
Coyle	Coyle_1&2	3530	SCS100yr	58.91	171.14	174.51		174.53	0.000236	0.95	133.02	99.76	0.17
Coyle	Coyle_1&2	3500	SCS100yr	58.91	171.14	174.5	172.81	174.53	0.000223	0.93	122.61	102.87	0.16
Coyle	Coyle_1&2	3431	SCS100yr	58.91	171.14	174.49		174.51	0.000208	0.89	115.54	64.12	0.16
Coyle	Coyle_1&2	3352	SCS100yr	58.91	171.13	174.47	173.02	174.5	0.000212	0.9	110.78	61.23	0.16
Coyle	Coyle_1&2	3296	SCS100yr	58.91	171.22	174.43	173	174.48	0.000416	1.23	100.02	68.9	0.22
Coyle	Coyle_1&2	3211	SCS100yr	58.91	171.14	174.38		174.44	0.000483	1.31	83.19	50.13	0.24
Coyle	Coyle_1&2	3142	SCS100yr	58.91	171.1	174.35		174.4	0.000411	1.21	96.04	63.18	0.22
Coyle	Coyle_1&2	3049	SCS100yr	58.91	171.16	174.33		174.37	0.000319	1.07	106.06	66.84	0.19
Coyle	Coyle_1&2	2954	SCS100yr	58.91	171.14	174.27		174.33	0.000528	1.34	90.81	65.85	0.25
Coyle	Coyle_1&2	2872	SCS100yr	58.91	171.18	174.24		174.29	0.00041	1.17	108.52	76.98	0.22
Coyle	Coyle_1&2	2773	SCS100yr	58.91	171.27	174.19		174.24	0.000501	1.27	102.89	84.16	0.24
Coyle	Coyle_1&2	2698	SCS100yr	58.91	171.17	174.17		174.21	0.000334	1.05	128.37	98.85	0.2
Coyle	Coyle_1&2	2637	SCS100yr	58.91	171.16	174.17		174.19	0.00022	0.85	152.4	93.64	0.16
Coyle	Coyle_1&2	2543	SCS100yr	58.91	170.82	174.11		174.16	0.000406	1.21	87.7	57.16	0.22
Coyle	Coyle_1&2	2461	SCS100yr	49.69	170.92	174.14	172.55	174.14	0.000025	0.3	352.56	208.27	0.05
Coyle	Coyle_1&2	2409	SCS100yr	49.69	170.89	174.14		174.14	0.000011	0.19	478	229.09	0.04
Coyle	Coyle_1&2	2322	SCS100yr	49.69	170.82	174.12	172.52	174.13	0.000093	0.59	154.42	84.5	0.11
Coyle	Coyle_1&2	2253	SCS100yr	49.69	170.87	174.11	172.36	174.12	0.000168	0.78	128.57	86.24	0.14
Coyle	Coyle_1&2	2200	SCS100yr	49.69	170.79	174.1	172.32	174.11	0.000131	0.7	157.43	132.75	0.12
Coyle	Coyle_1&2	2127	SCS100yr	49.69	169.59	174.1	171.62	174.11	0.000061	0.49	244.88	146.03	0.08
Coyle	Coyle_1&2	2115		Bridge									
Coyle	Coyle_1&2	2107	SCS100yr	49.69	169.46	174.08	171.54	174.08	0.000002	0.08	383.58	246.79	0.01
Coyle	Coyle_1&2	2063	SCS100yr	49.69	170.83	174.08	171.94	174.08	0.000002	0.08	339.75	177.91	0.01
Coyle	Coyle_1&2	1969	SCS100yr	49.69	170.81	174.08		174.08	0.000019	0.26	198.22	158.15	0.05
Coyle	Coyle_1&2	1887	SCS100yr	49.69	170.79	174.05		174.07	0.000168	0.79	121.26	116.5	0.14
Coyle	Coyle_1&2	1822	SCS100yr	49.69	170.88	174.04		174.06	0.000183	0.81	124.61	97.92	0.15
Coyle	Coyle_1&2	1754	SCS100yr	49.69	170.83	174.04	172.23	174.05	0.000095	0.58	183.98	97.33	0.11
Coyle	Coyle_1&2	1677	SCS100yr	49.69	170.85	174.04		174.05	0.000036	0.36	324.01	213.2	0.07
Coyle	Coyle_1&2	1583	SCS100yr	49.69	170.84	174.04		174.04	0.000056	0.45	249.2	169.46	0.08
Coyle	Coyle_1&2	1496	SCS100yr	49.69	170.81	174.03	172.13	174.04	0.000088	0.57	181.12	90.44	0.1
Coyle	Coyle_1&2	1439	SCS100yr	49.69	170.83	174.02		174.03	0.000109	0.62	168.78	84.63	0.11
Coyle	Coyle_1&2	1376	SCS100yr	49.69	170.85	174.01		174.03	0.000123	0.67	152.75	75.68	0.12
Coyle	Coyle_1&2	1299	SCS100yr	49.69	170.81	174		174.02	0.00014	0.7	157.7	92.45	0.13
Coyle	Coyle_1&2	1213	SCS100yr	49.69	170.87	174		174.01	0.000051	0.41	271.72	133.23	0.08
Coyle	Coyle_1&2	1133	SCS100yr	49.69	170.78	174		174	0.000047	0.42	252.63	117.2	0.08
Coyle	Coyle_1&2	1049	SCS100yr	49.69	170.78	174		174	0.000026	0.31	340.68	154.14	0.06
Coyle	Coyle_1&2	1000	SCS100yr	49.69	170.8	174		174	0.000023	0.29	364.82	166.96	0.05
Coyle	Coyle_1&2	397	SCS100yr	49.69	171.08	174		174	0.000026	0.29	346.62	163.33	0.05
Coyle	Coyle_1&2	335	SCS100yr	49.69	170.77	173.99		174	0.000033	0.35	295.69	145.16	0.06
Coyle	Coyle_1&2	239	SCS100yr	49.69	170.78	173.99		173.99	0.000024	0.3	324.31	158.11	0.05
Coyle	Coyle_1&2	172	SCS100yr	49.69	170.76	173.99		173.99	0.000018	0.26	357.86	157	0.05
Coyle	Coyle_1&2	111	SCS100yr	49.69	169.48	173.99	171.26	173.99	0.000031	0.35	188.21	141.01	0.06
Coyle	Coyle_1&2	93		Bridge									
Coyle	Coyle_1&2	76	SCS100yr	49.69	169.31	173.96	171.44	173.96	0.000056	0.48	169.54	166.73	0.08
Coyle	Coyle_1&2	65	SCS100yr	49.69	170.77	173.96	171.62	173.96	0.000043	0.4	215.62	217.1	0.07
Coyle	Coyle_T2_US	4859	SCS100yr	3.55	189.33	190.47	189.66	190.47	0.000054	0.22	27.31	49.61	0.07
Coyle	Coyle_T2_US	4812	SCS100yr	3.55	189.04	190.47	189.44	190.47	0.000034	0.19	35.83	49.11	0.05
Coyle	Coyle_T2_US	4724	SCS100yr	3.55	188.88	190.47		190.47	0.000003	0.07	108.5	126.6	0.02
Coyle	Coyle_T2_US	4705	SCS100yr	3.55	188.77	190.47	189.18	190.47	0.000007	0.1	85.48	95.9	0.03
Coyle	Coyle_T2_US	4695		Culvert									
Coyle	Coyle_T2_US	4685	SCS100yr	3.55	188.23	189.14	188.94	189.21	0.003119	1.13	3.03	7.56	0.44
Coyle	Coyle_T2_US	4666	SCS100yr	3.55	188.48	189.14		189.16	0.000734	0.52	6.93	14.26	0.22
Coyle	Coyle_T2_US	4613	SCS100yr	3.55	188.4	189.08		189.1	0.001717	0.61	8.21	40.19	0.32
Coyle	Coyle_T2_US	4523	SCS100yr	3.55	187.92	188.6	188.54	188.77	0.010752	1.81	2.02	4.79	0.81
Coyle	Coyle_T2_US	4442	SCS100yr	3.55	187.72	188.21		188.25	0.003703	1.01	6.32	37.24	0.48
Coyle	Coyle_T2_US	4355	SCS100yr	3.55	187.28	187.84	187.81	187.88	0.004817	1.13	7.73	41.41	0.55
Coyle	Coyle_T2_US	4272	SCS100yr	3.55	187.19	187.68		187.68	0.001305	0.57	12.14	39.1	0.28
Coyle	Coyle_T2_US	4177	SCS100yr	3.55	187.01	187.43		187.46	0.005339	1.08	6.56	26.46	0.56
Coyle	Coyle_T2_US	4080	SCS100yr	3.55	186.38	187.1		187.12	0.002473	0.95	8.65	32.72	0.4
Coyle	Coyle_T2_US	3997	SCS100yr	3.55	186.19	187.07		187.07	0.000226	0.36	17.32	36.45	0.13
Coyle	Coyle_T2_US	3899	SCS100yr	3.55	185.99	187.06		187.06	0.00006	0.22	26.74	42.07	0.07
Coyle	Coyle_T2_US	3820	SCS100yr	3.55	185.52	187.06		187.06	0.000031	0.2	33.28	49.09	0.05
Coyle	Coyle_T2_US	3768	SCS100yr	3.55	185.23	187.06		187.06	0.000019	0.17	40.87	50.95	0.04
Coyle	Coyle_T2_US	3696	SCS100yr	3.55	185.01	187.06		187.06	0.000006	0.1	65	59.63	0.02
Coyle	Coyle_T2_US	3627	SCS100yr	3.55	184.94	187.06		187.06	0.000003	0.08	82.6	74.83	0.02
Coyle	Coyle_T2_US	3609	SCS100yr	3.55	184.91	187.06	185.43	187.06	0.000003	0.08	73.01	59.26	0.02
Coyle	Coyle_T2_US	3595		Culvert									
Coyle	Coyle_T2_US	3587	SCS100yr	3.55	184.83	185.49	185.42	185.65	0.009745	1.76	2.01	19.14	0.79
Coyle	Coyle_T2_US	3577	SCS100yr	3.55	184.72	185.53	185.21	185.55	0.00128	0.74	7	27.85	0.3
Coyle	Ridgeville_W_US	8265	SCS100yr	4.34	204.69	205.32	205.32	205.51	0.016116	1.94	2.27	6.17	0.98
Coyle	Ridgeville_W_US	8196	SCS100yr	4.34	203.92	205.12		205.13	0.000494	0.64	9.99	23.97	0.2
Coyle	Ridgeville_W_US	8170	SCS100yr	4.34	203.64	205.11	204.41	205.12	0.000184	0.43	9.21	20.51	0.12
Coyle	Ridgeville_W_US	8157		Culvert									
Coyle	Ridgeville_W_US	8147	SCS100yr	4.34	203.4	204.6	204.32	204.6	0.000054	0.18	20.27	62.36	0.06
Coyle	Ridgeville_W_US	8139	SCS100yr	4.34	203.21	204.48	204.14	204.57	0.002842	1.47	4.26	62.79	0.45
Coyle	Ridgeville_W_US	8131		Culvert									
Coyle	Ridgeville_W_US	8122	SCS100yr	4.34	202.95	203.72	203.72	203.98	0.014257	2.25	2.01	55.39	0.95
Coyle	Ridgeville_W_US	8090	SCS100yr	4.34	202.46	203.08	203.08	203.14	0.008043	1.33	5.44	43.9	0.69
Coyle	Ridgeville_W_US	8052	SCS100yr	4.34	201.79	202.41	202.41	202.64	0.015861	2.1	2.1	5.11	0.99
Coyle	Ridgeville_W_US	8011	SCS100yr	4.34	201.27	202	201.86	202.13	0.006672	1.59	2.85	6.69	0.66
Coyle	Ridgeville_W_US	7908	SCS100yr	4.34	200.5	201.01	200.99	201.12	0.015381	1.45	3.01	14.75	0.9
Coyle	Ridgeville_W_US	7815	SCS100yr	4.34	199.03	199.67	199.63	199.85	0.012204	1.89	2.34	5.41	0.87
Coyle	Ridgeville_W_US	7744	SCS100yr	4.34	198.19	198.83	198.78	198.99	0.011571	1.81	2.48	6.5	0.85
Coyle	Ridgeville_W_US	7660	SCS100yr	4.34	197.42	198.17	198.02	198.29	0.00618	1.54	3	7.22	0.64
Coyle	Ridgeville_W_US	7587	SCS100yr	4.34	196.73	197.38	197.38	197.58	0.016997	1.99	2.24	6.28	0.99
Coyle	Ridgeville_W_US	7485	SCS100yr	4.34	194.86	195.92	195.71	196.09	0.005893	1.88	2.65	3.99	0.64
Coyle	Ridgeville_W_US	7404	SCS100yr	4.34	194.33	195.11	195.1	195.38	0.013769	2.28	1.99	4	0.94
Coyle	Ridgeville_W_US	7330	SCS100yr	4.34	193.97	194.92		194.99	0.00219	1.13	4.11	6.06	0.4
Coyle	Ridgeville_W_US	7249	SCS100yr	4.34	193.58	194.43	194.35	194.65	0.009582	2.07	2.31	4.34	0.79
Coyle	Ridgeville_W_US	7166	SCS100yr	4.34	193.17	194.06	193.8	194.15	0.003633	1.37	3.42	6.19	0.51
Coyle	Ridgeville_W_US	7108	SCS100yr	4.34	193.16	193.9	193.64	193.96	0.002803	1.07	4.16	38.7	0.44
Coyle	Ridgeville_W_US	7029	SCS100yr	8.63	192.88	193.67	193.61	193.71	0.003137	1.15	15.55	78.91	0.44
Coyle	Ridgeville_W_US	6945	SCS100yr	8.63	192.34	193.2	193.12	193.33	0.00667	1.77	6.65	22.57	0.69
Coyle	Ridgeville_W_US	6865	SCS100yr	8.63	191.69	192.8	192.57	192.93	0.003899	1.71	6.94	17.62	0.55
Coyle	Ridgeville_W_US	6785	SCS100yr	8.63	191.51	192.46	192.4	192.58	0.0048	1.71	8.31	34.26	0.6
Coyle	Ridgeville_W_US	6686	SCS100yr	8.63	190.83	192.05	191.78	192.18	0.003517	1.71	9.45	55.13	0.53
Coyle	Ridgeville_W_US	6628	SCS100yr	8.63	190.64	192.01	191.43	192.04	0.000856	0.94	19.66	73.33	0.27
Coyle	Ridgeville_W_US	6621		Culvert									
Coyle	Ridgeville_W_US	6616	SCS100yr	8.63	190.64	191.74	191.47	191.84	0.003285	1.53	9.26	36.11	0.5
Coyle	Ridgeville_W_US	6568	SCS100yr	8.63	190.49	191.75	191.23	191.76	0.000326	0.52	36.19	105.7	0.16
Coyle	Ridgeville_W_US	6516	SCS100yr	8.63	190.34	191.74		191.75	0.000165	0.43	45.96	106.07	0.12
Coyle	Ridgeville_W_US	6484	SCS100yr	8.63	190.3	191.74		191.74	0.000064	0.28	64.57	93.57	0.08
Coyle	Ridgeville_W_US	6470	SCS100yr	8.63	189.83	191.74	190.63	191.74	0.000075	0.33	52.93	109.02	0.08
Coyle	Ridgeville_W_US	6460		Culvert									
Coyle	Ridgeville_W_US	6451	SCS100yr	8.63	189.43	190.37	190.29	190.62	0.009941	2.23	3.88	7.06	0.83
Coyle	Ridgeville_W_US	6439	SCS100yr	8.63	189.31	190.42		190.49	0.002067	1.14	7.37	11.22	0.4
Coyle	Ridgeville_W_US	6387	SCS100yr	8.63	188.82	190.05		190.3	0.006415	2.26	4.59	6.26	0.71
Coyle	Ridgeville_W_US	6337	SCS100yr	8.63	188.65	189.79	189.59	189.97	0.005809	1.9	5.15	7.55	0.65
Coyle	Ridgeville_W_US	6268	SCS100yr	8.63	188.01	189.66	189.03	189.75	0.001632	1.42	7.61	7.68	0.38
Coyle	Ridgeville_W_US	6199	SCS100yr	8.63	187.86	189.38	189.03	189.57	0.004092	2.05	5.67	6.72	0.57
Coyle	Ridgeville_W_US	6114	SCS100yr	8.63	187.63	189.06		189.23	0.003784	1.9	5.83	7.04	0.56
Coyle	Ridgeville_W_US	6045	SCS100yr	8.63	187.58	188.82		188.97	0.003529	1.74	6	8.06	0.53
Coyle	Ridgeville_W_US	5972	SCS100yr	8.63	187.25	188.62	188.37	188.72	0.00303	1.64	8.82	14.95	0.5
Coyle	Ridgeville_W_US	5873	SCS100yr	8.63	187	188.4	187.87	188.49	0.00185	1.34	7.4	8.55	0.39
Coyle	Ridgeville_W_US	5779	SCS100yr	8.63	186.92	188.18	187.76	188.28	0.002518	1.49	7.95	32.56	0.45
Coyle	Ridgeville_W_US	5690	SCS100yr	8.63	186.68	187.96	187.5	188.07	0.002331	1.48	6.56	7.45	0.44
Coyle	Ridgeville_W_US	5598	SCS100yr	8.63	186.58	187.79	187.29	187.87	0.001829	1.26	7.49	8.4	0.39
Coyle	Ridgeville_W_US	5517	SCS100yr	8.63	186.53	187.65	187.27	187.71	0.00183	1.18	13.71	63.49	0.38

Project Name: Coyle Creek & Draper's Creek Floodplain Mapping
Project No.: 67230
Watershed: Niagara Pennisula Conservation Authority (NPCA)
River: Multiple
Reach: Multiple

Table1 HEC-RAS Hydraulic Output Summary
Plan File: Ex_Coyle_Draper_1D Split .p06

River	Reach	River Sta	Profile	Q Total (m3/s)	Min Ch El (m)	WS Elev (m)	Crit WS (m)	EG Elev (m)	EG Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Coyle	Ridgeville_W_US	5426	SCS100yr	8.63	186.36	187.05	187.05	187.33	0.014547	2.34	3.78	7.5	0.98
Coyle	Ridgeville_W_US	5337	SCS100yr	8.63	186.22	186.96		186.96	0.000034	0.11	129.83	277.11	0.05
Coyle	Ridgeville_W_US	5285	SCS100yr	8.63	185.99	186.95		186.95	0.000013	0.08	134.45	278.16	0.03
Coyle	Ridgeville_W_US	5107	SCS100yr	8.63	185.27	186.95	185.89	186.95	0.000001	0.04	199.45	255.36	0.01
Coyle	Ridgeville_W_US	5096		Culvert									
Coyle	Ridgeville_W_US	5087	SCS100yr	10.56	185	185.96	185.88	186.23	0.010119	2.31	4.57	8	0.84
Coyle	Ridgeville_W_US	5065	SCS100yr	10.56	184.81	186.04	185.84	186.06	0.000826	0.85	31.06	106.88	0.26
Coyle	Ridgeville_E_US	5708	SCS100yr	1.53	188.36	188.93	188.76	188.97	0.003176	0.79	1.95	5.94	0.42
Coyle	Ridgeville_E_US	5664	SCS100yr	1.53	188.34	188.63	188.62	188.69	0.017944	1.04	1.47	10.34	0.88
Coyle	Ridgeville_E_US	5623	SCS100yr	1.53	188.29	188.6		188.6	0.000603	0.29	5.33	20.27	0.18
Coyle	Ridgeville_E_US	5567	SCS100yr	1.53	188.09	188.51	188.38	188.53	0.003011	0.72	2.64	12.19	0.41
Coyle	Ridgeville_E_US	5497	SCS100yr	1.53	187.55	187.97	187.97	188.08	0.021518	1.47	1.04	4.87	1.02
Coyle	Ridgeville_E_US	5433	SCS100yr	1.53	187.21	187.58		187.59	0.002012	0.44	3.48	17.86	0.31
Coyle	Ridgeville_E_US	5339	SCS100yr	1.53	187.05	187.33		187.34	0.00347	0.41	3.73	30.84	0.38
Coyle	Ridgeville_E_US	5256	SCS100yr	1.53	186.48	187.01	186.83	187.06	0.00343	0.95	1.98	7.92	0.45
Coyle	Ridgeville_E_US	5204	SCS100yr	1.53	186.16	186.55	186.55	186.68	0.020602	1.59	0.96	3.82	1.01
Coyle	Ridgeville_E_US	5123	SCS100yr	1.53	185.79	186.47		186.47	0.000358	0.34	4.52	9.26	0.15
Coyle	Ridgeville_E_US	5028	SCS100yr	1.53	185.58	186.43		186.44	0.000395	0.41	7.37	26.26	0.16
Coyle	Ridgeville_E_US	4962	SCS100yr	6.77	185.34	186.4	186.12	186.4	0.00054	0.58	30.49	76.03	0.2
Coyle	Ridgeville_E_US	4923	SCS100yr	6.77	185.55	186.38	186.12	186.38	0.000474	0.49	23.3	49.25	0.19
Coyle	Ridgeville_E_US	4916		Culvert									
Coyle	Ridgeville_E_US	4907	SCS100yr	6.77	184.74	186.01	185.65	186.04	0.001413	0.93	11.22	65.84	0.31
Coyle	Ridgeville_E_US	4840	SCS100yr	6.77	185.35	185.98		185.99	0.0003	0.34	21.39	49.26	0.14
Coyle	Ridgeville_E_US	4756	SCS100yr	6.77	184.67	185.98		185.98	0.000048	0.22	38.06	49.45	0.06
Coyle	Ridgeville_E_US	4660	SCS100yr	6.77	184.65	185.97		185.97	0.000077	0.28	46.89	68.44	0.08
Coyle	Ridgeville_E_US	4570	SCS100yr	6.77	184.35	185.97		185.97	0.000053	0.26	47	60.83	0.07
Coyle	Ridgeville_E_US	4472	SCS100yr	6.77	183.85	185.97		185.97	0.000003	0.07	113.63	84.29	0.02
Coyle	Ridgeville_E_US	4455	SCS100yr	6.77	183.8	185.97	184.35	185.97	0.000006	0.11	89.99	81.09	0.02
Coyle	Ridgeville_E_US	4443		Culvert									
Coyle	Ridgeville_E_US	4433	SCS100yr	6.77	183.8	184.94	184.49	185.01	0.001819	1.17	5.77	48.57	0.38
Coyle	Ridgeville_E_US	4421	SCS100yr	6.77	183.67	184.96	184.61	184.97	0.00048	0.63	23.24	49.57	0.2