

APPENDIX G

Watercourse Summary Results

Appendix G: Detailed Fish and Fish Habitat Data Table

Year Assessed	WC-ID	Type	Channel Measurements			Substrate					Habitat Quality				Fish Potential	
			Average Channel Width (m)	Average Wetted Width (m)	Average Depth (m)	% Bedrock	% Boulder	% Cobble	% Gravel	% Fines	Spawning	Rearing	Overwintering	Overall	Open Water	Overwintering
2018	WC-4-01	Ephemeral	N/A	N/A	N/A	0	5	5	10	80	P	P	P	P	Nil	Nil
2018	WC-4-02	Intermittent, Ephemeral	1.39	0.52	0.10	0	0	10	30	60	P	P	P	P	Low	Nil
2018	WC-4-03	Intermittent	1.76	1.25	0.11	0	0	15	65	20	M	P	P	P	Low	Nil
2016	WC-4-04	Intermittent	1.37	0.92	0.10	0	0	0	10	90	P	P	P	P	Low	Nil
2016	WC-4-05	Small Permanent	2.75	2.29	0.24	0	0	15	65	20	M	M	P	M	High	Low
2016	WC-4-06	Intermittent	2.17	1.11	0.10	0	0	5	15	80	P	P	P	P	Low	Nil
2016	WC-4-07	Intermittent	1.78	1.18	0.17	0	5	35	40	20	M	P	P	P	High	Nil
2018	WC-4-08	Intermittent	1.20	0.89	0.11	0	0	30	40	30	P	P	P	P	Low	Nil
2018	WC-4-09	Large Permanent	15.11	10.57	0.27	5	5	30	60	0	G	G	G	G	High	High
2016	WC-4-10	Intermittent	2.18	0.66	0.11	0	10	10	70	10	P	P	P	P	Nil-Low	Nil
2018	WC-4-11	Intermittent, Ephemeral	2.03	2.03	1.06	0	15	10	60	15	P	P	P	P	Nil	Nil
2018	WC-4-12	Intermittent, Ephemeral	1.72	1.35	0.06	0	5	15	35	45	P	P	P	P	Low	Nil
2018	WC-4-13	Small Permanent	3.53	3.33	0.25	0	15	30	50	5	G	G	M	G	High	Moderate
2018	WC-4-14	Small Permanent, Intermittent	2.29	1.16	0.12	5	20	30	50	5	P-M	P-M	P	P	High	Nil
2018	WC-4-15	Intermittent, Ephemeral	1.48	1.15	0.08	0	20	40	35	5	P	P	P	P	Low	Nil
2018	WC-4-16	Intermittent, Ephemeral	1.83	1.24	0.13	0	35	35	10	20	P	P	P	P	Low	Nil
2018	WC-4-17	Intermittent, Ephemeral	1.50	0.83	0.09	0	15	15	35	40	P-M	P	P	P	Low	Nil
2018	WC-4-18	Small Permanent, Intermittent	2.01	1.22	0.11	0	25	25	40	10	P-M	P-M	P	P	Moderate	Low
2018	WC-4-19	Small Permanent	3.33	1.97	0.15	10	35	20	30	5	M	M	P-M	M	High	Low
2018	WC-4-20	Intermittent	1.74	0.54	0.056	0	15	30	35	20	P	P	P	P	Nil-Low	Nil
2018	WC-4-21	Large Permanent	8.18	7.22	0.27	10	15	30	45	0	G	G	G	G	High	High
2018	WC-4-22	Small Permanent	2.85	1.78	0.12	5	10	25	50	10	G	G	M	G	High	Moderate
2018	WC-4-23	Small Permanent	2.73	1.85	0.16	0	10	20	60	10	M-G	M-G	M-G	M-G	High	Moderate
2018	WC-4-23-A	Small Permanent	2.49	2.0	0.09	0	10	40	40	10	M-G	M	P-M	M	High	Low
2018	WC-4-23-B	Intermittent, Ephemeral	2.84	2.58	0.11	0	0	5	5	90	P	P	P	P	Low	Nil
2016	WC-4-24	Ephemeral	2.77	0.17	0.01	0	0	5	10	85	P	P	P	P	Nil	Nil
2018	WC-4-25	Intermittent, Ephemeral	1.57	0.15	0.02	0	0	0	20	80	P	P	P	P	Nil	Nil
2018	WC-4-26	Intermittent	1.23	0.6	0.07	10	10	15	45	20	M	M	P-M	M	High	Low
2018	WC-4-27	Small Permanent, Intermittent	1.89	0.60	0.05	0	5	10	60	25	M	M	P	M	Low	Nil
2018	WC-4-28	Intermittent	1.29	0.42	0.05	0	0	20	50	30	M	M	P	M	Low	Low
2018	WC-4-29	Large Permanent	11.14	5.24	0.24	0	15	25	50	10	G	G	G	G	High	High
2018	WC-4-30	Intermittent, Ephemeral	1.2	0.53	0.12	0	0	10	20	70	P	P	P	P	Low	Nil
2018	WC-4-31	Intermittent, Ephemeral	1.78	1.26	0.10	0	7	12	40	40	P-M	P-M	P-M	P-M	High	Low
2018	WC-4-31-A	Intermittent, Ephemeral	1.45	0.88	0.09	0	2	3	15	70	P	P	P	P	Nil-Low	Nil
2018	WC-4-31-B	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2016	WC-4-32	Intermittent	1.58	0.93	0.08	0	0	10	50	40	M	M	P	M	High	Low
2018	WC-4-32-A	Intermittent, Ephemeral	1.14	0.90	0.07	0	5	20	35	40	P-M	P-M	P-M	P-M	Low-Moderate	Low-Moderate
2018	WC-4-33	Large Permanent	12.35	7.31	0.25	10	20	15	50	5	G	G	G	G	High	High
2018	WC-4-33-A	Small Permanent	2.78	1.21	0.08	0	5	20	40	35	P-M	P	P	P-M	High	Nil
2018	WC-4-33-B	Intermittent, Ephemeral	1.05	0.60	0.02	0	2	5	20	73	P	P	P	P	Nil-Low	Nil
2018	WC-4-33-C	Intermittent, Ephemeral	1.79	1.06	0.13	0	1	9	10	80	P	P	P	P	Nil-Low	Nil
2018	WC-4-33-D	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-33-E	Intermittent, Ephemeral	0.86	0.38	0.02	0	10	10	20	60	P	P	P	P	Nil-Low	Nil
2018	WC-4-33-F	Intermittent, Ephemeral	1.70	1.25	0.06	0	5	30	45	20	P	P	P	P	Nil-Low	Nil
2018	WC-4-33-G	Ephemeral	N/A	N/A	N/A	0	5	30	15	50	P	P	P	P	Nil	Nil
2018	WC-4-33-H	Intermittent, Ephemeral	1.82	1.77	0.08	0	2	10	38	50	M	M	P-M	M	High	Low
2018	WC-4-34	Intermittent, Ephemeral	0.92	0.30	0.08	0	5	5	30	60	P	P	P	P	Nil	Nil
2018	WC-4-34-A	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-34-B	Intermittent, Ephemeral	0.74	0.48	0.02	0	5	5	10	80	P	P	P	P	Nil	Nil
2018	WC-4-34-C	Intermittent, Ephemeral	1.15	0.42	0.02	0	0	5	10	85	P	P	P	P	Nil-Low	Nil

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Year Assessed	WC-ID	Type	Channel Measurements			Substrate					Habitat Quality				Fish Potential	
			Average Channel Width (m)	Average Wetted Width (m)	Average Depth (m)	% Bedrock	% Boulder	% Cobble	% Gravel	% Fines	Spawning	Rearing	Overwintering	Overall	Open Water	Overwintering
2018	WC-4-35	Intermittent, Ephemeral	1.17	0.50	0.03	0	10	15	35	40	P	P	P	P	Nil-Low	Nil
2018	WC-4-35-A	Intermittent, Ephemeral	0.90	0.53	0.04	0	10	10	20	60	P	P	P	P	Nil	Nil
2018	WC-4-35-B	Intermittent, Ephemeral	0.52	0.39	0.04	0	0	20	5	75	P	P	P	P	Nil-Low	Nil
2018	WC-4-35-C	Ephemeral	N/A	N/A	N/A	5	10	5	20	60	P	P	P	P	Nil	Nil
2018	WC-4-35-D	Intermittent	1.65	1.16	0.04	0	5	15	15	65	P	P	P	P	Nil-Low	Nil
2018	WC-4-35-E	Intermittent, Ephemeral	1.29	0.67	0.09	0	0	10	10	80	P	P	P	P	Nil-Low	Nil
2018	WC-4-36	Intermittent, Ephemeral	1.12	0.39	0.06	0	5	15	30	50	P	P	P	P	Low	Nil
2018	WC-4-36-A	Ephemeral	N/A	N/A	N/A	0	0	0	20	80	P	P	P	P	Nil	Nil
2018	WC-4-37	Intermittent, Ephemeral	1.16	0.88	0.08	0	10	20	40	30	M	M	P	M	High	Low
2018	WC-4-37-A	Ephemeral	N/A	N/A	N/A	0	0	0	20	80	P	P	P	P	Nil	Nil
2018	WC-4-37-B	Intermittent, Ephemeral	0.67	0.55	0.07	0	1	1	18	80	P-M	P-M	P	P	Low	Nil
2018	WC-4-38	Intermittent, Ephemeral	0.52	0.12	0.04	0	0	15	10	75	P	P	P	P	Nil	Nil
2018	WC-4-39	Intermittent, Ephemeral	0.80	0.39	0.04	0	10	20	35	35	P-M	P-M	P	P-M	Low-Moderate	Nil
2018	WC-4-39-A	Ephemeral	N/A	N/A	N/A	0	20	0	0	80	P	P	P	P	Nil	Nil
2018	WC-4-40	Small Permanent	3.96	2.3	0.16	0	15	25	50	10	G	G	M-G	G	High	High
2018	WC-4-40-A	Ephemeral	N/A	N/A	N/A	0	15	0	10	75	P	P	P	P	Nil	Nil
2018	WC-4-41	Intermittent, Ephemeral	1.21	0.72	0.60	0	15	15	45	25	G	G	M	G	High	Moderate
2018	WC-4-41-A	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-41-B	Intermittent, Ephemeral	1.10	0.82	0.04	0	5	15	40	40	P	P	P	P	Low	Nil
2016	WC-4-42	Intermittent	N/A	N/A	N/A	0	20	20	40	20	P	P	P	P	Nil-Low	Nil
2018	WC-4-43	Small Permanent, Intermittent	1.76	1.2	0.12	5	10	15	50	20	G	G	M	G	High	Moderate
2018	WC-4-43-A	Intermittent, Ephemeral	1.12	0.49	0.05	1	4	10	25	60	P	P	P	P	Low	Nil
2018	WC-4-44	Intermittent, Ephemeral	0.81	0.65	0.17	0	10	20	35	45	P	M	P	P-M	High	Poor
2016	WC-4-45	Intermittent, Ephemeral	1.83	0.32	0.06	0	10	25	35	40	P	P	P	P	Nil-Low	Nil
2018	WC-4-46	Intermittent, Ephemeral	0.83	0.72	0.10	0	0	0	20	80	P	P	P	P	Nil-Low	Nil
2018	WC-4-47	Intermittent, Ephemeral	1.08	0.61	0.07	0	10	20	45	25	P-M	P-M	P	P-M	Moderate	Low
2018	WC-4-48	Intermittent, Ephemeral	1.54	1.10	0.08	0	15	20	55	10	M-G	M	P-M	M	High	Nil-Low
2018	WC-4-48-A	Intermittent, Ephemeral	0.51	0.41	0.05	0	5	5	10	80	P	P	P	P	Nil-Low	Nil
2018	WC-4-48-B	Intermittent, Ephemeral	0.54	0.28	0.04	5	0	5	10	80	P	P	P	P	Nil-Low	Nil
2018	WC-4-48-C	Intermittent, Ephemeral	0.91	0.75	0.07	0	0	5	10	85	P	P	P	P	Nil-Low	Nil
2018	WC-4-49	Intermittent	0.92	0.68	0.03	0	10	15	50	25	M	M	P	P-M	Moderate	Nil
2018	WC-4-50	Small Permanent	3.14	2.25	0.15	5	10	20	55	10	G	G	M	G	High	Moderate
2018	WC-4-50-A	Intermittent	1.10	1.10	0.10	0	10	25	50	10	M-G	M-G	P-M	M	High	Nil
2018	WC-4-50-B	Intermittent, Ephemeral	1.16	0.80	0.06	0	20	15	10	65	P	P	P	P	Nil-Low	Nil
2018	WC-4-50-C	Intermittent, Ephemeral	0.55	0.46	0.30	0	10	10	25	60	P	P	P	P	Nil-Low	Nil
2018	WC-4-50-D	Intermittent, Ephemeral	1.46	1.27	0.08	0	15	20	35	40	M	P	P	P-M	High	Nil-Low
2018	WC-4-50-E	Intermittent	1.11	0.91	0.03	0	0	25	50	25	P-M	P	P	P	Low	Nil
2016	WC-4-51	Intermittent	0.42	0.38	0.01	0	0	10	45	45	P	P	P	P	Nil-Low	Nil
2018	WC-4-52	Intermittent	0.99	0.87	0.06	0	5	15	40	40	M	M	P-M	M	High	Nil
2016	WC-4-53	Intermittent, Ephemeral	0.92	0.41	0.02	0	0	0	40	60	P	P	P	P	Nil-Low	Nil
2018	WC-4-54	Intermittent, Ephemeral	1.07	0.41	0.02	0	0	5	20	75	P	P	P	P	Nil	Nil
2018	WC-4-55	Intermittent	1.97	0.84	0.07	0	5	20	60	15	P	P	P	P	Nil-Low	Nil
2018	WC-4-56	Intermittent	1.98	1.57	0.08	0	0	10	45	50	M	M	M	M	High	Low
2018	WC-4-56-A	Intermittent, Ephemeral	0.90	0.92	0.06	5	10	25	50	10	M-G	P-M	P	M	Moderate	Nil
2018	WC-4-56-B	Intermittent, Ephemeral	1.18	0.56	0.03	0	0	10	30	60	P-M	P	P	P	Low	Nil
2018	WC-4-56-C	Intermittent, Ephemeral	0.93	0.77	0.03	0	15	20	50	15	P	P	P	P	Nil-Low	Nil
2018	WC-4-57	Small Permanent	3.75	2.1	0.09	0	10	25	55	10	G	G	G	G	High	High
2018	WC-4-57-A	Intermittent, Ephemeral	1.88	1.06	0.07	0	0	10	15	75	P	P	P	P	Nil	Nil
2018	WC-4-57-B	Intermittent, Ephemeral	2.21	1.85	0.06	0	0	10	20	70	P-M	P	P	P	Low	Nil
2018	WC-4-57-C	Intermittent, Ephemeral	1.74	1.43	0.06	0	0	10	20	70	P	P	P	P	Nil-Low	Nil

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			Average Channel Width (m)	Average Wetted Width (m)	Average Depth (m)	% Bedrock	% Boulder	% Cobble	% Gravel	% Fines	Spawning	Rearing	Overwintering	Overall	Open Water	Overwintering
2018	WC-4-58	Intermittent	1.66	0.75	0.03	0	5	20	50	25	P	P	P	P	Low	Nil
2018	WC-4-59	Intermittent, Ephemeral	1.72	0.82	0.04	0	15	25	45	15	P	P	P	P	Low	Nil
2018	WC-4-60	Intermittent	1.34	0.75	0.04	0	15	25	40	20	P-M	P-M	P	P-M	Low-Moderate	Nil
2016	WC-4-61	Small Permanent, Intermittent	1.90	0.55	0.04	0	10	20	50	20	M	P-M	P	P	Low	Low
2016	WC-4-62	Intermittent	2.09	0.59	0.04	0	10	10	55	25	P	P	P	P	Nil-Low	Nil
2016	WC-4-63	Intermittent	1.46	1.08	0.06	0	0	15	50	35	P-M	P-M	P	P	High	Nil
2018	WC-4-64	Intermittent	1.48	0.90	0.06	0	0	20	60	20	P-M	P-M	P	P-M	Low	Low
2018	WC-4-65	Large Permanent	6.25	3.83	0.15	0	10	20	60	10	G	G	G	G	High	High
2018	WC-4-65-A	Intermittent, Ephemeral	0.60	0.54	0.03	0	0	5	10	85	P	P	P	P	Nil	Nil
2018	WC-4-65-B	Intermittent, Ephemeral	1.26	1.03	0.07	0	0	5	10	85	P	P	P	P	Nil	Nil
2018	WC-4-65-C	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil-Low	Nil
2018	WC-4-65-D	Intermittent, Ephemeral	0.75	0.44	0.05	0	0	0	5	95	P	P	P	P	Nil-Low	Nil
2018	WC-4-65-E	Intermittent, Ephemeral	1.48	0.95	0.08	0	0	0	20	80	P	P-M	P	P	High	Nil
2018	WC-4-65-F	Small Permanent, Intermittent	1.81	1.50	0.07	0	15	30	45	10	M-G	M	P	M	High	Low
2018	WC-4-65-G	Small Permanent	2.75	1.60	0.10	0	20	30	45	5	M-G	P-M	P-M	M	High	Low-Moderate
2018	WC-4-65-H	Intermittent, Ephemeral	0.68	0.58	0.09	0	0	10	10	80	P	P	P	P	Nil-Low	Nil
2018	WC-4-65-I	Intermittent, Ephemeral	1.09	0.83	0.02	0	0	0	0	100	P	P	P	P	Nil-Low	Nil
2018	WC-4-65-J	Ephemeral	N/A	N/A	N/A	0	0	0	5	95	P	P	P	P	Nil	Nil
2018	WC-4-65-K	Intermittent, Ephemeral	0.98	0.81	0.07	0	0	5	15	80	P	P	P	P	Nil-Low	Nil
2018	WC-4-66	Intermittent	1.59	1.51	0.12	0	0	10	35	55	M	P-M	P	P-M	High	Nil
2018	WC-4-66-A	Small Permanent, Intermittent	2.94	2.92	0.20	0	0	10	40	50	M-G	M-G	P-M	M	High	Nil-Low
2018	WC-4-66-B	Small Permanent, Intermittent	2.50	1.80	0.14	0	0	5	35	60	P-M	P-M	P	P-M	High	Nil
2018	WC-4-66-C	Intermittent, Ephemeral	1.5	0.78	0.02	0	0	25	55	20	P	P	P	P	Nil-Low	Nil
2018	WC-4-66-D	Intermittent, Ephemeral	0.80	0.67	0.06	0	0	5	10	85	P	P	P	P	Nil-Low	Nil
2018	WC-4-66-E	Intermittent, Ephemeral	1.26	1.14	0.08	0	0	0	0	100	P	P	P	P	Nil-Low	Nil
2018	WC-4-66-F	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-67	Intermittent	1.54	0.62	0.05	0	0	0	10	90	P	P	P	P	Nil-Low	Nil
2016	WC-4-68	Intermittent, Ephemeral	1.59	.83	0.11	0	0	0	20	80	P	P	P	P	Nil-Low	Nil
2016	WC-4-69	Large Permanent	22.76	8.62	0.21	0	20	20	40	20	G	G	G	G	High	High
2018	WC-4-70	Intermittent	0.83	0.65	0.21	0	0	0	40	60	P-M	P-M	P-M	P-M	Moderate	Nil
2018	WC-4-71	Intermittent	1.92	0.86	0.08	0	0	5	45	50	P-M	M	P	M	High	Nil
2018	WC-4-71-A	Intermittent, Ephemeral	0.59	0.50	0.15	0	0	0	0	100	P	P	P	P	Nil-Low	Nil
2018	WC-4-71-B	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-72	Small Permanent	1.95	1.63	0.31	0	0	15	35	55	M	M-G	M-G	M-G	High	Moderate
2018	WC-4-73	Intermittent	0.84	0.84	0.24	0	0	0	0	100	P	P	P	P	Nil-Low	Nil
2016	WC-4-74	Intermittent	1.13	0.45	0.07	0	0	10	30	90	P-M	P-M	P	P	Low	Nil
2018	WC-4-75	Large Permanent	10.94	6.87	0.24	20	15	25	30	10	G	G	G	G	High	High
2018	WC-4-76	Intermittent, Ephemeral	1.06	0.23	0.18	20	0	0	15	65	P	P	P	P	Nil	Nil
2018	WC-4-77	Intermittent	2.32	1.32	0.06	20	5	10	20	45	P	P	P	P	Nil	Nil
2018	WC-4-78	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-79	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-80	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-81	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-82	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-83	Intermittent, Ephemeral	3.14	2	0.11	0	0	0	10	90	P	P	P	P	Nil-Low	Nil
2018	WC-4-84	Intermittent, Ephemeral	1.64	0.6	0.03	22	22	22	24	10	P	P	P	P	Low	Nil
2018	WC-4-85	Large Permanent	5.65	5.03	0.56	0	0	5	5	90	P-M	G	G	M-G	High	High
2018	WC-4-86	Small permanent, Intermittent	3.27	2.56	0.25	0	1	5	10	84	P-M	G	P-M	M	High	Low-Moderate
2018	WC-4-87	Intermittent, Ephemeral	1.37	0.67	0.03	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-88	Intermittent, Ephemeral	1.30	0.57	0.10	0	3	2	5	90	P	P	P	P	Low	Nil

Appendix G: Detailed Fish and Fish Habitat Data Table

Year Assessed	WC-ID	Type	Channel Measurements			Substrate					Habitat Quality				Fish Potential	
			Average Channel Width (m)	Average Wetted Width (m)	Average Depth (m)	% Bedrock	% Boulder	% Cobble	% Gravel	% Fines	Spawning	Rearing	Overwintering	Overall	Open Water	Overwintering
2018	WC-4-89	Intermittent, Ephemeral	2.17	2.16	0.11	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-90-A	Intermittent, Ephemeral	1.45	0.98	0.14	0	2	25	50	23	G	G	P-M	M-G	High	Low
2018	WC-4-90-B	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-91	Intermittent, Ephemeral	1.63	0.83	0.73	0	5	15	40	30	P-M	P-M	P	P-M	Low	Nil
2018	WC-4-92	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil	Nil
2018	WC-4-93	Ephemeral	N/A	N/A	N/A	0	0	0	0	100	P	P	P	P	Nil-Low	Nil
2018	WC-4-94	Intermittent, Ephemeral	1.29	0.99	0.17	0	0	0	20	80	P	M	P	M	High	Nil-Low
2018	WC-4-94-A	Intermittent, Ephemeral	N/A	N/A	N/A	0	0	0	20	80	P	P	P	P	Nil-Low	Nil
2018	WC-4-94-B	Intermittent, Ephemeral	1.90	1.03	0.06	0	5	5	40	50	P-M	P	P	P	Low	Nil
2018	WC-4-94-C	Intermittent, Ephemeral	N/A	N/A	N/A	0	0	0	20	80	P	P	P	P	Nil	Nil
2018	WC-4-95	Intermittent	0.84	0.73	0.09	5	15	30	40	10	P	P	P	P	Nil	Nil
2018	WC-4-95-A	Small Permanent	4.77	2.86	0.25	5	5	30	50	10	M	G	P	M	High	Nil
2018	WC-4-95-B	Large Permanent	7.21	3.85	0.17	0	0	50	35	15	M	G	M	M-G	High	Nil
2018	WC-4-96	Ephemeral	N/A	N/A	N/A	0	0	5	10	85	P	P	P	P	Nil	Nil
2018	WC-4-97	Intermittent, Ephemeral	1.04	0.84	0.16	0	1	0	15	84	P	P-M	P	P	Nil	Nil
2018	WC-4-98	Intermittent, Ephemeral	1.29	0.66	0.01	0	0	10	10	80	P	P	P	P	Nil	Nil
2018	WC-4-99	Intermittent, Ephemeral	0.78	0.69	0.03	0	0	2	30	73	P	P	P	P	Nil	Nil
2018	WC-4-100	Intermittent, Ephemeral	1.08	1.02	0.06	1	10	30	35	34	P-M	P	P	P	Low	Nil-Low
2018	WC-4-101	Intermittent, Ephemeral	1.92	0.765	0.08	5	5	10	40	40	P	P	P	P	Low	Nil
2018	WC-4-102	Small Permanent	2.63	1.91	0.14	0	5	25	50	20	M-G	M-G	M	M	High	Moderate

APPENDIX H

Fish Sampling Results

Watercourse ID	Date	Fish #	Species	FL (cm)	WT (g)	Method of Capture	Effort (seconds)	Volts	Life-Stage/Sex	Remarks
WC-4-75	11/06/2018	1	Atlantic Salmon	9.3	10	Electrofisher	150	345	Yearling	
WC-4-75	11/06/2018	2	Brown Trout	9.4	8.5	Electrofisher	150	345	Yearling	
WC-4-72	11/06/2018	1	White Sucker	7.1	5.5	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	2	Northen Redbelly Dace	6.3	5.0	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	3	Northen Redbelly Dace	5.4	2.5	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	4	Northen Redbelly Dace	5.4	2.0	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	5	Northen Redbelly Dace	5.7	2.5	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	6	Northen Redbelly Dace	5.7	2.5	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	7	Northen Redbelly Dace	5.2	1.0	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	8	Northen Redbelly Dace	6.3	2.5	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	9	Northen Redbelly Dace	6.0	2.5	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	10	Northen Redbelly Dace	5.4	1.5	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	11	Northen Redbelly Dace	6.2	2.0	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	12	Northen Redbelly Dace	5.4	2.0	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	13	Nine Spine Stickleback	4.7	1.0	Electrofisher	547	130	Yearling	
WC-4-72	11/06/2018	14	Northen Redbelly Dace	5.1	1.5	Electrofisher	547	130	Yearling	
WC-4-71	12/06/2018	1	Brook Trout	9.5	9.5	Electrofisher	103	170	Yearling	
WC-4-66	12/06/2018	1	Brook Trout	15.0	22.0	Electrofisher	62	200-170	2-3 Years Old	
WC-4-66	12/06/2018	2	Brook Trout	8.3	9.0	Electrofisher	62	200-170	Yearling	
WC-4-66-A	12/06/2018	1	Brook Trout	8.3	6.5	Electrofisher	232	270	Yearling	
WC-4-66-A	12/06/2018	2	Three Spine Stickleback	5.4	6.0	Electrofisher	232	270	N/A	
WC-4-66-A	12/06/2018	3	Brook Trout	4.4	3.5	Electrofisher	232	270	YOY	
WC-4-66-A	12/06/2018	4	Brook Trout	2.9	1.6	Electrofisher	232	270	YOY	
WC-4-66-A	12/06/2018	5	Brook Trout	3.4	0.5	Electrofisher	232	270	YOY	
WC-4-66-B	12/06/2018	1	Brook Trout	7.7	6.0	Electrofisher	89	275	Yearling	
WC-4-66-B	12/06/2018	2	Brook Trout	7.8	7.5	Electrofisher	89	275	Yearling	
WC-4-66-B	12/06/2018	3	Brook Trout	8.3	7.5	Electrofisher	89	275	Yearling	
WC-4-66-B	12/06/2018	4	Brook Trout	7.4	7.0	Electrofisher	89	275	Yearling	
WC-4-66-B	12/06/2018	5	Brook Trout	6.9	3.0	Electrofisher	89	275	YOY	
WC-4-66-B	12/06/2018	6	Brook Trout	4.2	2.0	Electrofisher	89	275	YOY	
WC-4-66-B	12/06/2018	7	Brook Trout	3.8	0.5	Electrofisher	89	275	YOY	
WC-4-64	12/06/2018	N/A	N/A	N/A	N/A	Electrofisher	N/A	100-205	N/A	No fish caught
WC-4-63	12/06/2018	1	Brook Trout	4.7	1.5	Electrofisher	N/A	250	YOY	Fish barrier at WP 1975
WC-4-63	12/06/2018	2	Brook Trout	4.6	2.5	Electrofisher	N/A	250	YOY	↓

Watercourse ID	Date	Fish #	Species	FL (cm)	WT (g)	Method of Capture	Effort (seconds)	Volts	Life-Stage/Sex	Remarks
WC-4-57	13/06/2018	1	Brook Trout	7.2	6.0	Electrofisher	98	310	Yearling	
WC-4-57	13/06/2018	2	Brook Trout	3.7	1.1	Electrofisher	98	310	YOY	
WC-4-57	13/06/2018	3	Brook Trout	3.6	2.0	Electrofisher	98	310	YOY	
WC-4-57	13/06/2018	4	Brook Trout	8.5	6.0	Electrofisher	98	310	Yearling	
WC-4-57	13/06/2018	5	Brook Trout	3.8	2.0	Electrofisher	98	310	YOY	
WC-4-57	13/06/2018	6	Brook Trout	8.4	8.0	Electrofisher	98	310	Yearling	
WC-4-57	13/06/2018	7	Brook Trout	7.8	6.0	Electrofisher	98	310	Yearling	
WC-4-57	13/06/2018	8	Brook Trout	3.8	2.0	Electrofisher	98	310	YOY	
WC-4-57	13/06/2018	9	Brook Trout	7.6	5.5	Electrofisher	98	310	Yearling	
WC-4-57	13/06/2018	10	Brook Trout	9.6	10.0	Electrofisher	98	310	2 Year Old	
WC-4-57	13/06/2018	11	Brook Trout	3.7	1.5	Electrofisher	98	310	YOY	
WC-4-57	13/06/2018	12	Brook Trout	3.8	1.5	Electrofisher	98	310	YOY	
WC-4-60	13/06/2018	N/A	N/A	N/A	N/A	Electrofisher	N/A	N/A	N/A	Not deep enough to fish or trap
WC-4-61	13/06/2018	N/A	N/A	N/A	N/A	Electrofisher	11	350	N/A	No fish caught. Few places for E. fisher
WC-4-56	13/06/2018	1	Brook Trout	8.0	7.5	Electrofisher	166	430	Yearling	
WC-4-56	13/06/2018	2	Brook Trout	10.2	12.0	Electrofisher	166	430	2 Year Old	
WC-4-56	13/06/2018	3	Brook Trout	7.6	6.0	Electrofisher	166	430	Yearling	
WC-4-56	13/06/2018	4	Brook Trout	6.9	5.0	Electrofisher	166	430	Yearling	
WC-4-56	13/06/2018	5	Brook Trout	7.8	6.5	Electrofisher	166	430	Yearling	
WC-4-56	13/06/2018	6	Brook Trout	8.9	8.5	Electrofisher	166	430	Yearling	
WC-4-56	13/06/2018	7	Brook Trout	8.4	8.0	Electrofisher	166	430	Yearling	
WC-4-56-A	13/06/2018	N/A	N/A	N/A	N/A	Electrofisher	40	470	N/A	Shallow not many fishing areas
WC-4-52	13/06/2018	1	Brook Trout	7.6	5.0	Electrofisher	253	445	Yearling	
WC-4-52	13/06/2018	2	Brook Trout	10.6	13.5	Electrofisher	253	445	2-3 Years Old	
WC-4-52	13/06/2018	3	Brook Trout	7.1	5.0	Electrofisher	253	445	Yearling	
WC-4-50-D	13/06/2018	1	Brook Trout	7.1	5.0	Electrofisher	136	470	Yearling	
WC-4-50-D	13/06/2018	2	Brook Trout	6.9	5.5	Electrofisher	136	470	Yearling	
WC-4-57-B	13/06/2018	N/A	N/A	N/A	N/A	Electrofisher	35	495	N/A	No fish caught. Hard to fish. Fish barrier
WC-4-50-A	14/06/2018	1	Brook Trout	7.3	4.0	Electrofisher	82	445	Yearling	
WC-4-50-A	14/06/2018	2	Brook Trout	4.1	1.0	Electrofisher	82	445	YOY	
WC-4-50-A	14/06/2018	3	Brook Trout	7.1	3.0	Electrofisher	82	445	Yearling	
WC-4-50-A	14/06/2018	4	Brook Trout	4.3	0.5	Electrofisher	82	445	YOY	
WC-4-48	14/06/2018	1	Brook Trout	7.4	6.5	Electrofisher	877	430	Yearling	2 missed Brook Trout
WC-4-48	14/06/2018	2	Brook Trout	11.0	14.5	Electrofisher	877	430	2 Year Old	↓

Watercourse ID	Date	Fish #	Species	FL (cm)	WT (g)	Method of Capture	Effort (seconds)	Volts	Life-Stage/Sex	Remarks
WC-4-48	14/06/2018	3	Brook Trout	7.9	8.7	Electrofisher	877	430	Yearling	↓
WC-4-37	14/06/2018	1	Brook Trout	14.5	41.0	Electrofisher	441	410	3 Year Old	1 missed Brook Trout
WC-4-37	14/06/2018	2	Brook Trout	8.7	9.0	Electrofisher	441	410	2 Year Old	↓
WC-4-37	14/06/2018	3	Brook Trout	10.1	16.5	Electrofisher	441	410	2 Year Old	↓
WC-4-37	14/06/2018	4	Brook Trout	7.9	6.0	Electrofisher	441	410	Yearling	↓
WC-4-33-A	14/06/2018	1	Brown Trout	7.8	5.5	Electrofisher	381	290	Yearling	2-3 missed Salmonid
WC-4-33-A	14/06/2018	2	Brook Trout	8.0	6.5	Electrofisher	381	290	Yearling	↓
WC-4-33-A	14/06/2018	3	Brook Trout	8.4	7.5	Electrofisher	381	290	Yearling	↓
WC-4-19	15/06/2018	1	Brook Trout	16.7	61.0	Electrofisher	543	300-360	3-4 Years Old	
WC-4-19	15/06/2018	2	Brook Trout	13.9	29.5	Electrofisher	543	300-360	3 Year Old	
WC-4-19	15/06/2018	3	Brook Trout	9.7	10.0	Electrofisher	543	300-360	2 Year Old	
WC-4-19	15/06/2018	4	Brook Trout	10.5	13.5	Electrofisher	543	300-360	2 Year Old	
WC-4-19	15/06/2018	5	Brook Trout	9.7	11.0	Electrofisher	543	300-360	2 Year Old	
WC-4-19	15/06/2018	6	Brook Trout	12.5	23.0	Electrofisher	543	300-360	2-3 Years Old	
WC-4-19	15/06/2018	7	Brook Trout	7.8	5.0	Electrofisher	543	300-360	Yearling	
WC-4-19	15/06/2018	8	Brook Trout	10.1	11.0	Electrofisher	543	300-360	2 Year Old	
WC-4-19	15/06/2018	9	Brook Trout	8.5	5.5	Electrofisher	543	300-360	Yearling	
WC-4-19	15/06/2018	10	Brook Trout	7.2	6.0	Electrofisher	543	300-360	Yearling	
WC-4-19	15/06/2018	11	Brook Trout	9.8	12.5	Electrofisher	543	300-360	2 Year Old	
WC-4-19	15/06/2018	12	Brook Trout	8.6	10.0	Electrofisher	543	300-360	1-2 Years Old	
WC-4-19	15/06/2018	13	Brook Trout	9.1	8.0	Electrofisher	543	300-360	2 Year Old	
WC-4-19	15/06/2018	14	Brook Trout	7.4	4.0	Electrofisher	543	300-360	Yearling	
WC-4-90-A	15/06/2018	N/A	N/A	N/A	N/A	Electrofisher	367	210-240	NA	1 missed Brook Trout downstream side
WC-4-07	19/06/2018	1	Brook Trout	18.4	143.0	Electrofisher	393	150-185	4 Year Old	
WC-4-07	19/06/2018	2	Creek Chub	20.5	140.0	Electrofisher	393	150-185	4 year old	
WC-4-07	19/06/2018	3	Creek Chub	18.6	78.0	Electrofisher	393	150-185	4 year old	
WC-4-07	19/06/2018	4	Three Spine Stickleback	4.6	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	5	Three Spine Stickleback	4.5	0.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	6	Three Spine Stickleback	4.1	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	7	Three Spine Stickleback	4.5	2.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	8	Three Spine Stickleback	3.1	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	9	Three Spine Stickleback	4.6	1.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	10	Three Spine Stickleback	4.4	1.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	11	Three Spine Stickleback	4.6	1.5	Electrofisher	393	150-185	Yearling	

Watercourse ID	Date	Fish #	Species	FL (cm)	WT (g)	Method of Capture	Effort (seconds)	Volts	Life-Stage/Sex	Remarks
WC-4-07	19/06/2018	12	Three Spine Stickleback	4.6	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	13	Three Spine Stickleback	4.1	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	14	Three Spine Stickleback	4.3	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	15	Three Spine Stickleback	4.3	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	16	Three Spine Stickleback	4.7	1.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	17	Three Spine Stickleback	4.8	1.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	18	Three Spine Stickleback	4.2	0.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	19	Three Spine Stickleback	4.4	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	20	Three Spine Stickleback	4.5	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	21	Three Spine Stickleback	4.6	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	22	Three Spine Stickleback	4.4	1.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	23	Three Spine Stickleback	4.7	1.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	24	Three Spine Stickleback	4.7	1.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	25	Three Spine Stickleback	4.5	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	26	Three Spine Stickleback	4.6	1.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	27	Three Spine Stickleback	4.5	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	28	Three Spine Stickleback	4.5	2.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	29	Three Spine Stickleback	4.4	1.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	30	Three Spine Stickleback	3.0	0.5	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	31	Three Spine Stickleback	4.5	1.0	Electrofisher	393	150-185	Yearling	
WC-4-07	19/06/2018	32	Three Spine Stickleback	4.2	1.0	Electrofisher	393	150-185	Yearling	
WC-4-05	19/06/2018	1	Brook Trout	4.2	1.5	Electrofisher	319	265-295	YOY	
WC-4-05	19/06/2018	2	Brook Trout	15.8	43.0	Electrofisher	319	265-295	3 Year Old	
WC-4-32	19/06/2018	1	Brook Trout	9.0	10.5	Electrofisher	446	100-200-265	Yearling	No fish near 104. Found near Hwy 4
WC-4-32	19/06/2018	2	Brook Trout	9.2	10.0	Electrofisher	446	100-200-265	Yearling	↓
WC-4-86	20/06/2018	1	Three Spine Stickleback	4.5	0.5	Electrofisher	220	250	Yearling	
WC-4-86	20/06/2018	2	Northern Redbelly Dace	4.8	1.0	Electrofisher	220	250	N/A	
WC-4-86	20/06/2018	3	Creek Chub	9.0	9.5	Electrofisher	220	250	N/A	
WC-4-86	20/06/2018	4	Creek Chub	4.4	1.5	Electrofisher	220	250	N/A	
WC-4-86	20/06/2018	5	Creek Chub	8.9	10.0	Electrofisher	220	250	N/A	
WC-4-86	20/06/2018	6	Creek Chub	8.4	7.5	Electrofisher	220	250	N/A	
WC-4-86	20/06/2018	7	Creek Chub	15.8	67.0	Electrofisher	220	250	N/A	
WC-4-85	20/06/2018	1	Brown Trout	8.7	7.0	Electrofisher	155	335	Yearling	
WC-4-85	20/06/2018	2	Atlantic Salmon	9.1	6.0	Electrofisher	155	335	Yearling	

Watercourse ID	Date	Fish #	Species	FL (cm)	WT (g)	Method of Capture	Effort (seconds)	Volts	Life-Stage/Sex	Remarks
WC-4-85	20/06/2018	3	Brook Trout	13.5	36.0	Electrofisher	155	335	2 Year Old	
WC-4-85	20/06/2018	4	Brown Trout	9.4	11.0	Electrofisher	155	335	Yearling	
WC-4-14	20/06/2018	1	Brook Trout	9.4	9.5	Electrofisher	362	295-350-375	Yearling	Culvert at HWY104 fish barrier. Fish only on North side
WC-4-14	20/06/2018	2	Brook Trout	13.9	30.0	Electrofisher	362	295-350-375	2 Year Old	↓
WC-4-14	20/06/2018	3	Brook Trout	12.4	23.0	Electrofisher	362	295-350-375	2 Year Old	↓
WC-4-18	20/06/2018	N/A	N/A	N/A	N/A	Electrofisher	229	250-330	N/A	
WC-4-22	20/06/2018	1	Brook Trout	9.0	11.0	Electrofisher	286	245-275	Yearling	3 fish seen and not caught
WC-4-22	20/06/2018	2	Brook Trout	3.5	2.0	Electrofisher	286	245-275	YOY	↓
WC-4-22	20/06/2018	3	Brook Trout	4.0	2.5	Electrofisher	286	245-275	YOY	↓
WC-4-24	21/06/2018	N/A	N/A	N/A	N/A	Electrofisher	19	375	N/A	Not fish habitat
WC-4-23-A	21/06/2018	1	Brook Trout	8.0	8.0	Electrofisher	333	385	Yearling	
WC-4-23-A	21/06/2018	2	Brook Trout	12.2	20.0	Electrofisher	333	385	2 Year Old	
WC-4-23-A	21/06/2018	3	Brown Trout	7.5	2.5	Electrofisher	333	385	Yearling	
WC-4-23	21/06/2018	1	Brook Trout	14.1	41.0	Electrofisher	256	340	3 Year Old	
WC-4-23	21/06/2018	2	Brook Trout	11.3	20.0	Electrofisher	256	340	Yearling	
WC-4-23	21/06/2018	3	Brook Trout	4.5	1.3	Electrofisher	256	340	YOY	
WC-4-26	21/06/2018	1	Brook Trout	10.1	14.0	Electrofisher	331	330-360	Yearling	Fish only on North side. Fish barrier
WC-4-26	21/06/2018	2	Brook Trout	10.3	12.0	Electrofisher	331	330-360	Yearling	↓
WC-4-26	21/06/2018	3	Brook Trout	10.1	16.0	Electrofisher	331	330-360	Yearling	↓
WC-4-26	21/06/2018	4	Brook Trout	10.4	12.0	Electrofisher	331	330-360	Yearling	↓
WC-4-26	21/06/2018	5	Brook Trout	10.2	10.0	Electrofisher	331	330-360	Yearling	↓
WC-4-95-A	21/06/2018	1	Brook Trout	17.4	64.0	Electrofisher	242	275	3-4 Years Old	
WC-4-95-A	21/06/2018	2	Atlantic Salmon	9.6	10.5	Electrofisher	242	275	Yearling	
WC-4-95-A	21/06/2018	3	Atlantic Salmon	7.9	5.0	Electrofisher	242	275	Yearling	
WC-4-95-A	21/06/2018	4	Atlantic Salmon	7.7	5.0	Electrofisher	242	275	Yearling	
WC-4-95-A	21/06/2018	5	Atlantic Salmon	7.7	4.5	Electrofisher	242	275	Yearling	
WC-4-95-A	21/06/2018	6	Atlantic Salmon	6.9	3.0	Electrofisher	242	275	Yearling	
WC-4-95-A	21/06/2018	7	Atlantic Salmon	7.6	6.0	Electrofisher	242	275	Yearling	
WC-4-75	21/06/2018	1	Atlantic Salmon	9.0	7.0	Electrofisher	220	270	Yearling	
WC-4-75	21/06/2018	2	Atlantic Salmon	8.9	10.0	Electrofisher	220	270	Yearling	
WC-4-40	22/06/2018	1	Brown Trout	8.9	15.0	Electrofisher	207	360	Yearling	
WC-4-40	22/06/2018	2	Brook Trout	7.0	6.0	Electrofisher	207	360	Yearling	
WC-4-40	22/06/2018	3	Brook Trout	16.0	59.0	Electrofisher	207	360	3 Year Old	

Watercourse ID	Date	Fish #	Species	FL (cm)	WT (g)	Method of Capture	Effort (seconds)	Volts	Life-Stage/Sex	Remarks
WC-4-40	22/06/2018	4	Brown Trout	12.0	23.0	Electrofisher	207	360	2 Year Old	
WC-4-40	22/06/2018	5	Brook Trout	9.9	13.0	Electrofisher	207	360	Yearling	
WC-4-40	22/06/2018	6	Brook Trout	7.6	8.5	Electrofisher	207	360	Yearling	
WC-4-40	22/06/2018	7	Brook Trout	7.3	4.0	Electrofisher	207	360	Yearling	
WC-4-40	22/06/2018	8	Brook Trout	15.5	45.0	Electrofisher	207	360	3 Year Old	
WC-4-40	22/06/2018	1	Brook Trout	11.1	15.0	Electrofisher	202	440	Yearling	
WC-4-40	22/06/2018	2	Brook Trout	10.4	14.0	Electrofisher	202	440	Yearling	
WC-4-40	22/06/2018	3	Brook Trout	11.4	20.0	Electrofisher	202	440	Yearling	
WC-4-40	22/06/2018	4	Brook Trout	7.8	8.0	Electrofisher	202	440	Yearling	
WC-4-40	22/06/2018	5	Brook Trout	8.9	10.0	Electrofisher	202	440	Yearling	
WC-4-40	22/06/2018	6	Brook Trout	8.4	7.0	Electrofisher	202	440	Yearling	
WC-4-40	22/06/2018	7	Brook Trout	8.8	7.5	Electrofisher	202	440	Yearling	
WC-4-40	22/06/2018	8	Brook Trout	7.6	5.5	Electrofisher	202	440	Yearling	
WC-4-40	22/06/2018	9	Brook Trout	3.8	1.5	Electrofisher	202	440	YOY	
WC-4-40	22/06/2018	10	Brook Trout	3.8	1.0	Electrofisher	202	440	YOY	
WC-4-91	26/06/2018	1	Brook Trout	9.3	9.5	Electrofisher	172	350	Yearling	
WC-4-91	26/06/2018	2	Brown Trout	9.4	12.0	Electrofisher	172	350	Yearling	
WC-4-91	26/06/2018	3	Brook Trout	4.1	1.0	Electrofisher	172	350	YOY	
WC-4-94	26/06/2018	1	Brook Trout	9.6	8.0	Electrofisher	180	200	Yearling	
WC-4-94	26/06/2018	2	Brook Trout	3.9	0.5	Electrofisher	180	200	YOY	
WC-4-94	26/06/2018	3	Brook Trout	4.1	0.5	Electrofisher	180	200	YOY	
WC-4-94	26/06/2018	4	Brook Trout	3.9	0.5	Electrofisher	180	200	YOY	
WC-4-94	26/06/2018	5	Brook Trout	3.3	0.5	Electrofisher	180	200	YOY	
WC-4-94	26/06/2018	6	Brook Trout	4.3	1.0	Electrofisher	180	200	YOY	
WC-4-27	26/06/2018	N/A	N/A	N/A	N/A	Electrofisher	293	215	N/A	Fish barrier downstream. Wetland upstream
WC-4-74	26/06/2018	N/A	N/A	N/A	N/A	Electrofisher	83	320	N/A	Hanging culvert WP 2036
WC-4-70	26/06/2018	1	Three Spine Stickleback	3.9	1.5	Electrofisher	274	155	N/A	
WC-4-70	26/06/2018	2	Three Spine Stickleback	4.3	3.5	Electrofisher	274	155	N/A	
WC-4-70	26/06/2018	3	Three Spine Stickleback	5.0	3.5	Electrofisher	274	155	N/A	
WC-4-70	26/06/2018	4	Three Spine Stickleback	4.5	2.5	Electrofisher	274	155	N/A	
WC-4-70	26/06/2018	5	Northern Redbelly Dace	4.3	2.5	Electrofisher	274	155	N/A	
WC-4-70	26/06/2018	6	Three Spine Stickleback	4.2	2.5	Electrofisher	274	155	N/A	
WC-4-70	26/06/2018	7	Northern Redbelly Dace	6.1	3.0	Electrofisher	274	155	N/A	
WC-4-65-E	27/06/2018	1	Brook Trout	9.8	11.5	Electrofisher	221	320	Yearling	

Watercourse ID	Date	Fish #	Species	FL (cm)	WT (g)	Method of Capture	Effort (seconds)	Volts	Life-Stage/Sex	Remarks
WC-4-65-E	27/06/2018	2	Brook Trout	5.1	2.0	Electrofisher	221	320	YOY	
WC-4-65-F	27/06/2018	1	Brook Trout	8.2	6.5	Electrofisher	409	470	Yearling	
WC-4-65-F	27/06/2018	2	Brook Trout	9.5	8.5	Electrofisher	409	470	Yearling	
WC-4-65-F	27/06/2018	3	Brook Trout	4.9	3.5	Electrofisher	409	470	YOY	
WC-4-65-G	27/06/2018	1	Brook Trout	8.4	9.0	Electrofisher	318	470	Yearling	Hanging culvert at railroad crossing
WC-4-65-G	27/06/2018	2	Brook Trout	9.0	7.5	Electrofisher	318	470	Yearling	↓
WC-4-65-G	27/06/2018	3	Brook Trout	10.4	11.5	Electrofisher	318	470	Yearling	↓
WC-4-65-G	27/06/2018	4	Brook Trout	10.1	12.0	Electrofisher	318	470	Yearling	↓
WC-4-65-G	27/06/2018	5	Brook Trout	8.0	6.0	Electrofisher	318	470	Yearling	↓
WC-4-65-G	27/06/2018	6	Brook Trout	5.2	1.0	Electrofisher	318	470	YOY	↓
WC-4-65-G	27/06/2018	7	Brook Trout	4.6	0.5	Electrofisher	318	470	YOY	↓
WC-4-65-G	27/06/2018	8	Brook Trout	8.6	6.0	Electrofisher	318	470	Yearling	↓
WC-4-100	27/06/2018	N/A	N/A	N/A	N/A	Electrofisher	261	525	N/A	
WC-4-31	27/06/2018	1	Brook Trout	7.3	5.0	Electrofisher	238	230	Yearling	
WC-4-31	27/06/2018	2	Brook Trout	7.1	5.0	Electrofisher	238	230	Yearling	
WC-4-31	27/06/2018	3	Brook Trout	9.2	7.5	Electrofisher	238	230	Yearling	

APPENDIX I

Fish Species Photographs

Atlantic Salmon



Figure 1: Atlantic Salmon found in WC-4-75



Figure 2: Atlantic Salmon found in WC-4-95-A



Figure 3: Atlantic Salmon found in WC-4-85



Figure 4: Atlantic Salmon found in WC-4-75

Brown Trout (1)



Figure 1: Brown Trout found in WC-4-75



Figure 2: Brown Trout found in WC-4-33-A



Figure 3: Brown Trout found in WC-4-85



Figure 4: Brown Trout found in WC-4-23-A

Brown Trout (2)



Figure 1: Brown Trout found in WC-4-40



Figure 2: Brown Trout found in WC-4-91

Brook Trout



Figure 1: Brook Trout found in WC-4-33-H



Figure 2: Brook Trout found in WC-4-65-G



Figure 3: Brook Trout found in WC-4-26



Figure 4: Brown Trout found in WC-4-50-A

Creek Chub



Figure 1: Creek Chub found in WC-4-07



Figure 2: Creek Chub found in WC-4-86

Northern Redbelly Dace



Figure 1: Northern Redbelly Dace found in WC-4-72



Figure 2: Northern Redbelly Dace found in WC-4-86



Figure 3: Northern Redbelly Dace found in WC-4-70

Nine Spine Stickleback



Figure 1: Nine Spine Stickleback found in WC-4-72

Three Spine Stickleback



Figure 1: Three Spine Stickleback found in WC-4-66-A



Figure 2: Three Spine Stickleback found in WC-4-07



Figure 3: Three Spine Stickleback found in WC-4-86



Figure 4: Three Spine Stickleback found in WC-4-70

White Sucker



Figure 1: White Sucker found in WC-4-72

APPENDIX J

Water Quality

Appendix J: Water Quality Data Table

Water Quality								
Year Assessed	WC-ID	Velocity m/s	pH*	DO (mg/L)**	Temp. (°C)	Cond. (µm/cm)	Turbidity (NTU)	TDS g/L
2018	WC-4-01	N/A	6.09	1.52	15.16	1078	N/A	0.863
2018	WC-4-02	0.073	5.47	1.41	15.84	637	N/A	0.502
2018	WC-4-03	N/A	5.08	7.21	11.72	39	3.6	0.025
2016	WC-4-04	N/A	6.41	8.15	14.02	243	N/A	0.2
2016	WC-4-05	0.047	6.83	7.59	15.53	448	N/A	0.365
2016	WC-4-06	0.039	6.68	0.69	15.64	1437	N/A	1.137
2016	WC-4-07	N/A	7.38	7.32	18.94	572	N/A	0.42
2018	WC-4-08	0.018	6.47	3.75	16.82	526	N/A	0.405
2018	WC-4-09	0.50	6.11	11.8	11.54	65	0.70	0.042
2016	WC-4-10	N/A	5.91	5.08	16.81	919	N/A	0.708
2018	WC-4-100	N/A	7.74	10.47	10.81	44	0.0	0.029
2018	WC-4-101	0.39	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-102	0.91	5.41	n/a	9.31	43	0.0	0.028
2018	WC-4-11	0.1101	6.62	9.51	15.52	342	N/A	0.27
2018	WC-4-12	0.127	7.36	8.96	16.5	272	N/A	0.211
2018	WC-4-13	0.48	6.59	12.9	9.23	450	0.0	0.29
2018	WC-4-14	0.062	7.22	9.82	15.17	172	N/A	0.137
2018	WC-4-15	0.04	7.04	9.72	15.16	43	N/A	0.034
2018	WC-4-16	0.19	6.7	8.53	15.45	87	2.5	0.07
2018	WC-4-17	0.073	7.59	7.56	15.63	144	N/A	0.091
2018	WC-4-18	0.20	6.74	10.76	12.94	38	1.8	0.025
2018	WC-4-19	0.12	6.59	10.73	12.64	38	0.0	0.025
2018	WC-4-20	N/A	6.75	7.83	14.7	294	N/A	0.237
2018	WC-4-21	0.31	6.52	12.07	8.22	32	0.60	0.4
2018	WC-4-22	0.40	6.71	10.3	14.71	119	0.0	0.077
2018	WC-4-23	0.27	6.5	10.22	10.3	236	2.9	0.154
2018	WC-4-23-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-23-B	N/A	6.6	8.88	9.74	41	1.6	0.027
2016	WC-4-24	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-25	0.11	7.69	9.98	9.35	177	0.10	0.115
2018	WC-4-26	0.16	7.34	9.68	8.77	76	0.50	0.050

Appendix J: Water Quality Data Table

Water Quality								
Year Assessed	WC-ID	Velocity m/s	pH*	DO (mg/L)**	Temp. (°C)	Cond. (µm/cm)	Turbidity (NTU)	TDS g/L
2018	WC-4-27	0.21	7.19	7.8	9.78	131	0.5	0.085
2018	WC-4-28	0.11	7.44	8.12	9.13	210	0.1	0.13
2018	WC-4-29	0.28	8.07	11.58	10.25	60	0.0	0.039
2018	WC-4-30	N/A	7.92	9.31	15.15	173	N/A	0.113
2018	WC-4-31	0.21	6.92	11.25	10.6	219	0.9	0.142
2018	WC-4-31-A	N/A	6.63	10.30	8.63	38	1.90	0.025
2018	WC-4-31-B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2016	WC-4-32	N/A	6.22	5.14	16.78	78	N/A	0.05
2018	WC-4-32-A	0.50	4.19	18.01	12.72	25	0.0	0.016
2018	WC-4-33	0.44	6.58	11.51	12.77	38	0.1	0.025
2018	WC-4-33-A	0.23	6.84	10.09	10.81	56	0.10	0.36
2018	WC-4-33-B	N/A	7.66	9.91	7.57	570	2.80	0.365
2018	WC-4-33-C	N/A	7.54	7.95	7.45	61	3.0	0.04
2018	WC-4-33-D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-33-E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-33-F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-33-G	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-33-H	0.18	5.04	15.26	16.44	96	0.0	0.062
2018	WC-4-34	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-34-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-34-B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-34-C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-35	N/A	7.97	10.25	9.2	41	2.2	0.026
2018	WC-4-35-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-35-B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-35-C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-35-D	N/A	7.95	9.39	10.22	41	7.4	0.027
2018	WC-4-35-E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-36	N/A	4.95	17.15	7.45	31	0.0	0.020
2018	WC-4-36-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-37	0.29	5.63	n/a	7.61	39	8.4	0.025

Appendix J: Water Quality Data Table

Water Quality								
Year Assessed	WC-ID	Velocity m/s	pH*	DO (mg/L)**	Temp. (°C)	Cond. (µm/cm)	Turbidity (NTU)	TDS g/L
2018	WC-4-37-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-37-B	0.30	5.29	N/A	7.92	35	3.4	0.023
2018	WC-4-38	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-39	0.22	5.76	n/a	6.64	43	2.8	0.028
2018	WC-4-39-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-40	0.41	7.76	11.07	8.79	43	1.5	0.028
2018	WC-4-40-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-41	0.35	5.41	n/a	8.26	31	0.0	0.20
2018	WC-4-41-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-41-B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2016	WC-4-42	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-43	0.52	7.96	9.22	12.82	39	0.0	0.026
2018	WC-4-43-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-44	0.042	6.1	3.9	13.64	42	N/A	0.028
2016	WC-4-45	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-46	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-47	0.56	5.88	19.17	12.94	35	0.0	0.023
2018	WC-4-48	0.32	7.88	9.6	11.87	36	0.70	0.024
2018	WC-4-48-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-48-B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-48-C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-49	N/A	4.28	9.0	14.24	45	N/A	0.029
2018	WC-4-50	0.32	7.70	11.71	7.78	39	0.0	0.025
2018	WC-4-50-A	0.24	7.85	10.75	14.2	39	0.0	0.025
2018	WC-4-50-B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-50-C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-50-D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-50-E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2016	WC-4-51	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-52	0.24	8.02	8.16	15.84	37	0.0	0.024
2016	WC-4-53	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Appendix J: Water Quality Data Table

Water Quality								
Year Assessed	WC-ID	Velocity m/s	pH*	DO (mg/L)**	Temp. (°C)	Cond. (µm/cm)	Turbidity (NTU)	TDS g/L
2018	WC-4-54	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-55	N/A	7.62	10.03	11.42	0.046	0.0	0.030
2018	WC-4-56	0.37	7.62	12.58	6.84	44	0.0	0.029
2018	WC-4-56-A	0.16	N/A	11.20	8.86	0.046	3.8	0.030
2018	WC-4-56-B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-56-C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-57	0.32	7.36	12.29	7.76	105	0.0	0.068
2018	WC-4-57-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-57-B	0.0	7.33	8.84	9.90	104	0.0	0.068
2018	WC-4-57-C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-58	0.18	7.49	9.14	15.9	39	N/A	0.025
2018	WC-4-59	0.19	4.24	9.5	15.34	0.048	N/A	0.031
2018	WC-4-60	N/A	7.52	10.95	8.79	36	4.5	0.023
2016	WC-4-61	0.19	5.69	9.45	14.5	143	N/A	0.093
2016	WC-4-62	N/A	7.88	8.94	16.5	143	N/A	0.093
2016	WC-4-63	0.47	7.55	9.6	15.93	284	N/A	0.186
2018	WC-4-64	0.16	8	7.14	16.01	434	N/A	0.282
2018	WC-4-65	0.23	7.80	11.21	11.48	148	0.0	0.097
2018	WC-4-65-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-65-B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-65-C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-65-D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-65-E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-65-F	0.15	7.48	9.58	11.0	43	0.0	0.028
2018	WC-4-65-G	0.58	7.37	10.61	10.07	34	0.30	0.022
2018	WC-4-65-H	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-65-I	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-65-J	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-65-K	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-66	0.08	7.43	8.81	6.79	319	0.30	0.207
2018	WC-4-66-A	0.33	7.61	10.84	7.73	194	0.0	0.126

Appendix J: Water Quality Data Table

Water Quality								
Year Assessed	WC-ID	Velocity m/s	pH*	DO (mg/L)**	Temp. (°C)	Cond. (µm/cm)	Turbidity (NTU)	TDS g/L
2018	WC-4-66-B	N/A	7.33	7.42	10.01	68.0	3.4	0.043
2018	WC-4-66-C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-66-D	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-66-E	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-66-F	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-67	N/A	8.68	9.4	12.9	559	0.0	0.358
2016	WC-4-68	N/A	6.45	7.3	12.89	252	N/A	0.164
2016	WC-4-69	0.19	8.03	10.01	15.09	209	N/A	N/A
2018	WC-4-70	N/A	7.84	5.47	12.67	229	3.5	0.149
2018	WC-4-71	0.14	7.91	5.58	12.37	5.94	0.0	0.324
2018	WC-4-71-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-71-B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-72	0.22	8.79	10.52	13.13	207	0.9	0.134
2018	WC-4-73	N/A	8.27	7.19	12.5	462	N/A	N/A
2016	WC-4-74	N/A	7.98	6.09	15.47	689	N/A	N/A
2018	WC-4-75	0.49	5.43	11.64	10.88	80	0.85	0.052
2018	WC-4-76	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-77	0.36	6.32	10.25	10.86	300	0.9	0.237
2018	WC-4-78	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-79	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-80	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-81	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-82	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-83	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-84	0.24	6.49	9.7	13.74	357	0.2	0.234
2018	WC-4-85	0.21	6.01	11.3	12.75	49	1.5	0.031
2018	WC-4-86	0.12	7.7	12.84	6.16	106	7.7	0.064
2018	WC-4-87	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-88	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-89	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-90-A	0.16	6.37	11.05	10.25	173	1.2	0.112

Appendix J: Water Quality Data Table

Water Quality								
Year Assessed	WC-ID	Velocity m/s	pH*	DO (mg/L)**	Temp. (°C)	Cond. (µm/cm)	Turbidity (NTU)	TDS g/L
2018	WC-4-90-B	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-91	0.13	6.45	12.58	8.66	580	2.2	0.38
2018	WC-4-92	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-93	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-94	0.16	5.61	16.65	14.8	328	2.7	0.213
2018	WC-4-94-A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-94-B	0.35	5.39	n/a	12.94	139	0.0	0.090
2018	WC-4-94-C	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-95	0.19	7.99	10.53	11.5	115	0.70	0.075
2018	WC-4-95-A	0.19	7.99	10.53	11.5	115	0.70	0.075
2018	WC-4-95-B	0.28	7.99	10.53	11.5	115	0.70	0.075
2018	WC-4-96	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-97	0.11	8.35	8.35	11.55	400	1.70	0.260
2018	WC-4-98	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2018	WC-4-99	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Outside of Brook Trout Optimal Range (Raleigh, 1982)

Outside of Brook Trout Tolerance Range (Raleigh, 1982)

pH	DO (mg/L)	Temp. (°C)
37 WC	5 WC	47 WC
0 WC	5 WC	0 WC

Total WC out of Optimal and Tolerance Ranges

pH*	DO (mg/L)**
30 WC	10 WC

Total WC out of CCME FWAL Guidelines

*CCME FWAL Guideline for pH is 6.5 to 9.5

**CCME FWAL Guideline for dissolved oxygen is 9.5 mg/L for early life stages for cold-water biota, and 6.5 mg/L for other life stages

APPENDIX K

Spawning Times

