

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Anderson Bay (in Wekusko Lake)											
								ANB-01		ANB-02		ANB-03		ANB-04		ANB-05		ANB-06	
								0.25	0.1	0.25	0.1	0.25	1.0	0.25	0.1	0.25	0.1	0.25	0.1
								23-May-11	15-Sep-11	23-May-11	15-Sep-11	23-May-11	17-Sep-11	23-May-11	16-Sep-11	23-May-11	15-Sep-11	23-May-11	16-Sep-11
Conventional Parameters																			
Field Measured Temperature	---	---	°C	0.01	12.97	11.71	10.27	12.85	9.64	13.01	9.83	13.63	9.73	13.38	10.76	13.64			
Laboratory-Measured pH	6.5 - 9.0	---	pH units	0.10	8.06	7.93	8.13	9.67	8.17	8.42	8.15	9.23	8.14	8.78	8.16	8.34			
Conductivity	---	---	umhos/cm	0.40	430	432	244	247	159	274	223	165	158	180	159	155			
Hardness (as CaCO ₃)	---	---	mg/L	0.30	193	209	109	128	71.7	146	101	85.8	75.9	82.8	73.4	83.7			
True Color	---	---	C.U.	5.0	18.9	23.2	15.7	36.2	16.3	23.6	14.9	25.3	16.3	24.7	12.2	15.7			
TSS	---	---	mg/L	5.0	13.0	5.0	<5.0	5.0	<5.0	5.0	<5.0	7.0	<5.0	8.0	9.0	7.0			
TDS	---	---	mg/L	5.0	262	270	126	160	84.0	198	128	112	74.0	104	88.0	90.0			
Turbidity	---	---	NTU	0.10	8.97	1.49	3.89	1.52	3.58	2.36	4.60	2.13	2.47	3.10	3.55	4.56			
Anions and Nutrients																			
Acidity (as CaCO ₃)	---	---	mg/L	1.0	1.6	1.3	1.3	<1.0	1.0	<1.0	1.3	<1.0	1.2	<1.0	1.2	<1.0			
Total Alkalinity (as CaCO ₃)	---	---	mg/L	1.0	60.3	67.1	67.4	79.6	70.0	79.9	67.8	80.9	70.2	79.6	70.0	77.3			
Bicarbonate	---	---	mg/L	2.0	73.5	81.8	82.2	30.6	85.4	89.5	82.7	57.7	85.6	75.4	85.3	88.3			
Bromide	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Carbonate	---	---	mg/L	0.60	<0.60	<0.60	<0.60	31.5	<0.60	2.75	<0.60	19.0	<0.60	9.49	<0.60	1.83			
Chloride	120	---	mg/L	0.50	13.0	14.2	6.88	8.27	4.22	9.14	6.18	4.84	4.23	5.39	4.21	4.40			
Fluoride	0.120	---	mg/L	0.050	0.145	0.21	0.078	0.12	<0.050	0.13	0.069	<0.10	<0.050	<0.10	<0.050	<0.10			
Hydroxide	---	---	mg/L	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40			
Reactive Silica (as SiO ₂)	---	---	mg/L	0.0050 - 0.05	0.437	1.20	0.792	0.472	1.16	1.10	0.793	1.65	1.17	2.62	1.15	3.42			
Sulfate	---	---	mg/L	0.50	129	134	43.8	52.8	5.00	60.9	33.7	7.83	5.15	14.5	5.75	4.03			
Ammonia as N	0.59	0.0067	mg/L	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			
Nitrate and Nitrite as N	---	10	mg/L	0.050 - 0.35	<0.050	<0.071	<0.050	<0.071	<0.050	<0.071	<0.050	<0.071	<0.050	<0.071	<0.050	<0.071			
Nitrate-N	13	---	mg/L	0.050 - 0.25	---	<0.050	---	<0.050	---	<0.050	---	<0.050	---	<0.050	-	<0.050			
Nitrite-N	0.06	---	mg/L	0.050 - 0.25	---	<0.050	---	<0.050	---	<0.050	---	<0.050	---	<0.050	-	<0.050			
TKN	---	---	mg/L	0.20	0.66	0.67	0.60	0.83	0.59	0.77	0.62	0.78	0.54	0.66	0.63	0.78			
TP	---	---	mg/L	0.010	0.021	0.018	0.020	0.036	0.016	0.019	0.021	0.030	0.017	0.024	0.018	0.030			
Aggregate Organics																			
BOD Carbonaceous	---	---	mg/L	1.0	1.5	1.4	1.3	2.1	1.1	1.2	1.5	2.2	1.3	1.7	1.3	1.9			
Organic Parameters																			
Chlorophyll a	---	---	µg/L	0.10	4.24	2.56	3.19	6.25	2.94	2.84	3.52	10.7	2.33	9.80	2.37	10.4			
Phaeophytin a	---	---	µg/L	0.10 - 0.20	3.70	1.90	3.30	3.13	2.82	1.88	3.29	2.99	2.53	2.37	2.53	2.04			
Organic / Inorganic Carbon																			
DOC	---	---	mg/L	1.0	10.7	12.8	10.8	13.2	10.2	13.6	10.3	12.2	10.2	12.2	10.0	11.5			
TOC	---	---	mg/L	1.0	10.8	14.0	10.7	14.4	10.2	14.4	10.6	12.3	10.5	13.5	10.2	11.9			

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Anderson Bay (in Wekusko Lake)											
								ANB-01		ANB-02		ANB-03		ANB-04		ANB-05		ANB-06	
								0.25	0.1	0.25	0.1	0.25	1.0	0.25	0.1	0.25	0.1	0.25	0.1
								23-May-11	15-Sep-11	23-May-11	15-Sep-11	23-May-11	17-Sep-11	23-May-11	16-Sep-11	23-May-11	15-Sep-11	23-May-11	16-Sep-11
Total Metals																			
Aluminum				0.1	---	mg/L	0.0050	0.510	0.0393	0.199	0.0140	0.131	0.0674	0.178	0.0656	0.136	0.0580	0.193	0.0468
Antimony				---	---	mg/L	0.00020	0.00852	0.00578	0.00261	0.00191	<0.00020	0.00226	0.00209	0.00031	0.00021	0.00052	0.00023	<0.00020
Arsenic				0.005	0.15	mg/L	0.00020	0.00280	0.00225	0.00150	0.00214	0.00093	0.00206	0.00138	0.00274	0.00097	0.00245	0.00098	0.00283
Barium				---	---	mg/L	0.00020	0.0225	0.0247	0.0141	0.0162	0.0118	0.0151	0.0137	0.0113	0.0119	0.0140	0.0121	0.0116
Beryllium				---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth				---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron				1.5	---	mg/L	0.010	0.021	0.020	0.014	0.014	0.011	0.013	0.015	0.010	0.011	0.011	0.011	<0.010
Cadmium				0.00003	0.00025	mg/L	0.000010	0.000072	0.000015	0.000023	<0.000010	<0.000010	<0.000010	0.000018	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Calcium				---	---	mg/L	0.10	66.2	64.9	33.4	39.5	18.9	48.3	29.0	22.4	18.8	23.8	18.0	20.1
Cesium				---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium				---	---	mg/L	0.0010	0.0013	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt				---	---	mg/L	0.00020	0.00031	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Copper				0.00216	0.009	mg/L	0.00020	0.00529	0.00111	0.00231	0.00042	0.00101	0.00094	0.00189	0.00062	0.00099	0.00036	0.00110	0.00120
Iron				0.3	---	mg/L	0.10	0.64	0.16	0.18	<0.10	0.14	<0.10	0.20	<0.10	0.16	<0.10	0.21	<0.10
Lead				0.00278	0.003	mg/L	0.000090	0.000334	<0.000090	0.000136	<0.000090	0.000092	<0.000090	0.000136	<0.000090	<0.000090	<0.000090	0.000117	<0.000090
Lithium				---	---	mg/L	0.0020	0.0046	0.0048	0.0032	0.0037	0.0031	0.0039	0.0040	0.0042	0.0032	0.0033	0.0028	0.0040
Magnesium				---	---	mg/L	0.010	8.48	10.7	8.04	10.2	7.48	10.6	7.70	8.88	7.42	9.13	7.25	8.17
Manganese				---	---	mg/L	0.00030	0.0263	0.0191	0.0186	0.0257	0.0179	0.0213	0.0220	0.0381	0.0164	0.0488	0.0179	0.0378
Mercury				0.000026	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum				0.073	---	mg/L	0.00020	0.00070	0.00052	0.00027	0.00023	<0.00020	0.00032	0.00024	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel				0.08822	0.048	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Phosphorus				---	---	mg/L	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Potassium				---	---	mg/L	0.020	4.95	5.30	2.34	2.55	1.26	3.39	2.09	1.35	1.24	1.61	1.27	1.32
Rubidium				---	---	mg/L	0.00020	0.00354	0.00287	0.00175	0.00174	0.00116	0.00225	0.00164	0.00151	0.00120	0.00146	0.00130	0.00133
Selenium				0.001	---	mg/L	0.0010	0.0012	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon				---	---	mg/L	0.050	1.34	0.910	0.829	0.270	0.984	1.89	0.971	2.16	1.07	1.71	1.13	2.05
Silver				0.0001	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium				---	---	mg/L	0.030	8.83	10.0	5.19	6.71	3.59	7.84	4.70	4.39	3.46	4.61	3.48	3.78
Strontium				---	---	mg/L	0.00010	0.162	0.153	0.0842	0.0911	0.0511	0.111	0.0756	0.0555	0.0498	0.0548	0.0511	0.0499
Tellurium				---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium				0.0008	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium				---	---	mg/L	0.00010	0.00015	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin				---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium				---	---	mg/L	0.00020	0.0259	0.00185	0.00957	0.00058	0.00511	0.00325	0.00762	0.00197	0.00567	0.00223	0.00783	0.00210
Tungsten				---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Uranium				0.015	---	mg/L	0.00010	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Vanadium				---	---	mg/L	0.00020	0.00118	0.00034	0.00057	0.00048	0.00042	0.00047	0.00059	0.00051	0.00042	0.00049	0.00052	0.00058
Zinc				0.03	0.108	mg/L	0.0050	0.0551	0.0131	0.0167	<0.0050	<0.0050	0.0073	0.0111	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Zirconium				---	---	mg/L	0.00040	0.00060	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG	Exceeds MWQSOG
--------------	----------------

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Anderson Bay (in Wekusko Lake)											
								ANB-01		ANB-02		ANB-03		ANB-04		ANB-05		ANB-06	
								0.25	0.1	0.25	0.1	0.25	1.0	0.25	0.1	0.25	0.1	0.25	0.1
								23-May-11	15-Sep-11	23-May-11	15-Sep-11	23-May-11	17-Sep-11	23-May-11	16-Sep-11	23-May-11	15-Sep-11	23-May-11	16-Sep-11
Dissolved Metals																			
Aluminum	---	---	mg/L	0.0020	0.0049	0.0038	0.0044	0.0060	0.0054	0.0043	0.0043	0.0131	0.0046	0.0036	0.0051	0.0055			
Antimony	---	---	mg/L	0.00020	0.00932	0.00516	0.00290	0.00198	0.00031	0.00237	0.00231	0.00030	0.00035	0.00053	0.00040	<0.00020			
Arsenic	---	0.15	mg/L	0.00020	0.00248	0.00190	0.00140	0.00207	0.00090	0.00186	0.00122	0.00112	0.00094	0.00103	0.00087	0.00095			
Barium	---	---	mg/L	0.00020	0.0182	0.0191	0.0125	0.0136	0.0104	0.0146	0.0122	0.00904	0.0107	0.00990	0.0103	0.0101			
Beryllium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Bismuth	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Boron	---	---	mg/L	0.010	0.021	0.019	0.014	0.013	0.011	0.014	0.013	0.010	<0.010	<0.010	0.010	<0.010			
Cadmium	---	0.00023	mg/L	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010			
Calcium	---	---	mg/L	0.050	63.9	69.8	31.1	35.9	17.0	41.9	28.6	20.3	18.2	20.3	17.5	19.6			
Cesium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Chromium	---	---	mg/L	0.0020	<0.0020	<0.0020	0.0022	<0.0020	0.0027	<0.0020	<0.0020	<0.0020	0.0027	<0.0020	<0.0020	<0.0020			
Cobalt	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Copper	---	0.008	mg/L	0.00020	0.00233	0.00125	0.00128	0.00067	0.00076	0.00083	0.00161	0.00050	0.00071	0.00036	0.00075	0.00065			
Iron	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Lead	---	0.002	mg/L	0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090			
Lithium	---	---	mg/L	0.0020	0.0045	0.0048	0.0034	0.0040	0.0034	0.0039	0.0038	0.0041	0.0029	0.0032	0.0035	0.0033			
Magnesium	---	---	mg/L	0.010	8.17	8.47	7.70	9.24	7.12	10.0	7.21	8.54	7.39	7.78	7.23	8.44			
Manganese	---	---	mg/L	0.00010	0.0117	0.00281	0.00339	0.00373	0.00071	0.00131	0.00398	0.00126	0.00062	0.00053	0.00060	0.00027			
Mercury	---	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050			
Molybdenum	---	---	mg/L	0.00010	0.00072	0.00058	0.00027	0.00025	0.00010	0.00030	0.00023	0.00011	<0.00010	0.00015	<0.00010	0.00011			
Nickel	---	0.048	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Phosphorus	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Potassium	---	---	mg/L	0.020	4.76	4.21	2.14	2.36	1.16	3.01	1.87	1.25	1.24	1.32	1.23	1.27			
Rubidium	---	---	mg/L	0.00020	0.00277	0.00275	0.00143	0.00187	0.00092	0.00197	0.00133	0.00122	0.00093	0.00131	0.00095	0.00127			
Selenium	---	---	mg/L	0.0010	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon	---	---	mg/L	0.050	0.226	0.580	0.464	0.213	0.786	0.560	0.456	0.857	0.768	1.24	0.775	1.71			
Silver	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Sodium	---	---	mg/L	0.020	9.06	8.35	4.94	6.16	3.34	7.38	4.39	4.24	3.52	4.00	3.59	3.79			
Strontium	---	---	mg/L	0.00010	0.164	0.141	0.0841	0.0904	0.0451	0.100	0.0772	0.0509	0.0500	0.0541	0.0477	0.0503			
Tellurium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Thallium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Thorium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Tin	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Titanium	---	---	mg/L	0.00020	0.00066	0.00049	0.00034	0.00023	<0.00020	0.00033	0.00032	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Tungsten	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Uranium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Vanadium	---	---	mg/L	0.00020	0.00040	0.00039	0.00071	0.00054	<0.00020	0.00040	0.00041	0.00051	<0.00020	0.00070	0.00039	0.00065			
Zinc	---	0.11	mg/L	0.0020	0.0267	0.0091	0.0085	<0.0020	<0.0020	0.0039	0.0055	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020			
Zirconium	---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040			

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Anderson Bay (in Wekusko Lake)								Arm Lake	
								ANB 07		ANB 08		ANB 09		ANB 10		ARL-01	
								0.25	2.0	2.0	2.0	2.0	2.0	2.0	4.0	0.25	0.1
								24-May-11	16-Sep-11	24-May-11	16-Sep-11	24-May-11	16-Sep-11	24-May-11	16-Sep-11	29-May-11	15-Sep-11
Conventional Parameters																	
Field Measured Temperature	---	---	°C	0.01	10.79	13.77	10.36	14.39	10.02	13.71	8.59	14.56	13.73	10.47			
Laboratory-Measured pH	6.5 - 9.0	---	pH units	0.10	7.91	8.34	8.18	8.32	8.18	8.24	8.19	8.26	7.55	7.60			
Conductivity	---	---	umhos/cm	0.40	155	157	157	154	158	153	157	151	55.3	68.0			
Hardness (as CaCO ₃)	---	---	mg/L	0.30	72.7	80.4	72.7	71.1	72.2	82.0	72.2	77.3	29.9	36.6			
True Color	---	---	C.U.	5.0	16.4	13.5	14.6	10.5	14.1	17.0	12.2	11.4	71.4	82.6			
TSS	---	---	mg/L	5.0	7.0	7.0	5.0	6.0	5.0	<5.0	<5.0	8.0	<5.0	<5.0			
TDS	---	---	mg/L	5.0	102	92.0	106	88.0	94.0	90.0	108	80.0	32.0	46.0			
Turbidity	---	---	NTU	0.10	4.09	1.44	2.87	2.08	2.89	2.83	2.16	2.32	0.76	0.83			
Anions and Nutrients																	
Acidity (as CaCO ₃)	---	---	mg/L	1.0	1.8	<1.0	1.7	<1.0	1.9	<1.0	2.0	<1.0	1.8	1.4			
Total Alkalinity (as CaCO ₃)	---	---	mg/L	1.0	69.6	77.0	70.4	76.9	70.3	77.2	70.9	76.9	26.7	34.4			
Bicarbonate	---	---	mg/L	2.0	84.9	87.8	85.9	88.6	85.8	94.2	86.5	93.8	32.6	41.9			
Bromide	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Carbonate	---	---	mg/L	0.60	<0.60	1.90	<0.60	1.44	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60			
Chloride	120	---	mg/L	0.50	4.56	4.48	4.67	4.43	4.69	4.32	5.14	4.41	<0.50	<0.50			
Fluoride	0.120	---	mg/L	0.050	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Hydroxide	---	---	mg/L	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40			
Reactive Silica (as SiO ₂)	---	---	mg/L	0.0050 - 0.05	1.25	3.04	1.28	2.66	1.25	3.63	1.51	2.53	0.188	2.33			
Sulfate	---	---	mg/L	0.50	6.05	5.03	6.02	3.83	6.27	3.75	4.24	3.50	<0.50	<0.50			
Ammonia as N	0.59	0.0067	mg/L	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			
Nitrate and Nitrite as N	---	10	mg/L	0.050 - 0.35	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071			
Nitrate-N	13	---	mg/L	0.050 - 0.25	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			
Nitrite-N	0.06	---	mg/L	0.050 - 0.25	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			
TKN	---	---	mg/L	0.20	0.62	0.62	0.60	0.64	0.56	0.67	1.17	0.66	1.02	0.95			
TP	---	---	mg/L	0.010	0.012	0.030	0.012	0.029	0.042	0.027	0.019	0.028	<0.010	<0.010			
Aggregate Organics																	
BOD Carbonaceous	---	---	mg/L	1.0	<1.0	1.3	<1.0	1.5	<1.0	1.3	1.2	1.1	1.3	1.3			
Organic Parameters																	
Chlorophyll a	---	---	µg/L	0.10	2.80	10.3	2.58	10.3	2.69	11.0	2.88	11.5	0.87	1.85			
Phaeophytin a	---	---	µg/L	0.10 - 0.20	1.97	1.60	1.65	1.96	1.67	1.73	1.78	1.89	0.77	1.75			
Organic / Inorganic Carbon																	
DOC	---	---	mg/L	1.0	10.1	10.8	10.0	9.9	10.0	10.8	10.1	10.0	19.5	22.9			
TOC	---	---	mg/L	1.0	10.1	11.4	10.1	10.6	10.0	11.9	10.3	11.3	19.4	24.9			

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Anderson Bay (in Wekusko Lake)								Arm Lake	
								ANB 07		ANB 08		ANB 09		ANB 10		ARL-01	
								0.25	2.0	2.0	2.0	2.0	2.0	2.0	4.0	0.25	0.1
								24-May-11	16-Sep-11	24-May-11	16-Sep-11	24-May-11	16-Sep-11	24-May-11	16-Sep-11	29-May-11	15-Sep-11
Total Metals																	
Aluminum	0.1	---	mg/L	0.0050	0.226	0.0727	0.141	0.137	0.139	0.150	0.0673	0.0838	0.0301	0.0203			
Antimony	---	---	mg/L	0.00020	0.00024	<0.00020	0.00022	<0.00020	0.00026	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Arsenic	0.005	0.15	mg/L	0.00020	0.00101	0.00279	0.00098	0.00276	0.00099	0.00275	0.00101	0.00287	0.00131	0.00139			
Barium	---	---	mg/L	0.00020	0.0129	0.0111	0.0123	0.0110	0.0123	0.0123	0.0116	0.0108	0.00289	0.00807			
Beryllium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Bismuth	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Boron	1.5	---	mg/L	0.010	0.010	<0.010	0.011	<0.010	0.010	<0.010	<0.010	<0.010	<0.010	<0.010			
Cadmium	0.00003	0.00025	mg/L	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010			
Calcium	---	---	mg/L	0.10	17.6	19.9	17.8	19.5	18.4	19.6	17.0	19.5	8.31	9.38			
Cesium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Chromium	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Cobalt	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Copper	0.00216	0.009	mg/L	0.00020	0.00107	0.00095	0.00096	0.00103	0.00168	0.00134	0.00137	0.00135	0.00038	<0.00020			
Iron	0.3	---	mg/L	0.10	0.28	0.11	0.19	0.21	0.18	0.19	0.10	0.12	0.15	0.11			
Lead	0.00278	0.003	mg/L	0.000090	0.000128	0.000090	<0.000090	0.000103	0.000117	0.000130	<0.000090	<0.000090	<0.000090	<0.000090			
Lithium	---	---	mg/L	0.0020	0.0029	0.0047	0.0025	0.0034	0.0023	0.0048	0.0025	0.0042	<0.0020	<0.0020			
Magnesium	---	---	mg/L	0.010	7.69	8.16	7.69	8.01	7.67	8.02	7.58	8.30	2.69	3.43			
Manganese	---	---	mg/L	0.00030	0.0196	0.0349	0.0162	0.0381	0.0177	0.0386	0.0207	0.0401	0.00808	0.0139			
Mercury	0.000026	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050			
Molybdenum	0.073	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Nickel	0.08822	0.048	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020			
Phosphorus	---	---	mg/L	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20			
Potassium	---	---	mg/L	0.020	1.31	1.29	1.32	1.27	1.31	1.33	1.20	1.40	0.449	0.299			
Rubidium	---	---	mg/L	0.00020	0.00152	0.00143	0.00132	0.00142	0.00130	0.00158	0.00111	0.00142	0.00071	0.00051			
Selenium	0.001	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon	---	---	mg/L	0.050	1.17	2.19	1.07	2.10	1.04	2.63	0.939	1.98	0.123	1.40			
Silver	0.0001	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Sodium	---	---	mg/L	0.030	3.52	3.80	3.58	3.51	3.77	3.66	3.83	3.77	0.912	1.08			
Strontium	---	---	mg/L	0.00010	0.0454	0.0486	0.0445	0.0464	0.0467	0.0476	0.0461	0.0475	0.0145	0.0173			
Tellurium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Thallium	0.0008	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Thorium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Tin	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Titanium	---	---	mg/L	0.00020	0.00998	0.00331	0.00644	0.00423	0.00613	0.00671	0.00302	0.00393	0.00029	<0.00020			
Tungsten	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Uranium	0.015	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Vanadium	---	---	mg/L	0.00020	0.00064	0.00055	0.00046	0.00054	0.00049	0.00070	0.00033	0.00055	0.00026	<0.00020			
Zinc	0.03	0.108	mg/L	0.0050	<0.0050	0.0054	<0.0050	0.0068	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050			
Zirconium	---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040			

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Anderson Bay (in Wekusko Lake)								Arm Lake	
								ANB 07		ANB 08		ANB 09		ANB 10		ARL-01	
								0.25	2.0	2.0	2.0	2.0	2.0	2.0	4.0	0.25	0.1
								24-May-11	16-Sep-11	24-May-11	16-Sep-11	24-May-11	16-Sep-11	24-May-11	16-Sep-11	29-May-11	15-Sep-11
Dissolved Metals																	
Aluminum	---	---	mg/L	0.0020	0.0052	0.0033	0.0048	0.0030	0.0067	0.0041	0.0023	0.0022	0.0266	0.0167			
Antimony	---	---	mg/L	0.00020	0.00044	<0.00020	0.00039	<0.00020	0.00044	<0.00020	0.00022	<0.00020	<0.00020	<0.00020			
Arsenic	---	0.15	mg/L	0.00020	0.00088	0.00120	0.00092	0.00200	0.00087	0.00092	0.00099	0.00228	0.00132	0.00145			
Barium	---	---	mg/L	0.00020	0.0105	0.00958	0.0104	0.00815	0.0106	0.0104	0.0105	0.00903	0.00298	0.00677			
Beryllium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Bismuth	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Boron	---	---	mg/L	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010			
Cadmium	---	0.00023	mg/L	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010			
Calcium	---	---	mg/L	0.050	17.1	18.9	17.1	16.4	17.0	19.1	16.8	18.0	7.51	9.31			
Cesium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Chromium	---	---	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020			
Cobalt	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Copper	---	0.008	mg/L	0.00020	0.00069	0.00062	0.00107	0.00055	0.00079	0.00064	0.00106	0.00057	0.00038	0.00023			
Iron	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.10	<0.10			
Lead	---	0.002	mg/L	0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090			
Lithium	---	---	mg/L	0.0020	0.0027	0.0031	0.0029	0.0030	0.0021	0.0029	0.0026	0.0035	0.0035	<0.0020			
Magnesium	---	---	mg/L	0.010	7.28	8.10	7.30	7.33	7.21	8.31	7.35	7.83	2.72	3.26			
Manganese	---	---	mg/L	0.00010	0.00027	0.00023	0.00022	0.00021	0.00025	0.00022	0.00017	0.00020	0.00177	0.00420			
Mercury	---	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050			
Molybdenum	---	---	mg/L	0.00010	<0.00010	0.00011	<0.00010	0.00011	<0.00010	0.00012	<0.00010	0.00011	<0.00010	<0.00010			
Nickel	---	0.048	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Phosphorus	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Potassium	---	---	mg/L	0.020	1.21	1.26	1.21	1.09	1.22	1.26	1.14	1.18	0.434	0.293			
Rubidium	---	---	mg/L	0.00020	0.00090	0.00118	0.00093	0.00101	0.00094	0.00123	0.00091	0.00116	0.00068	0.00053			
Selenium	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon	---	---	mg/L	0.050	0.766	1.50	0.876	1.29	0.839	1.77	0.942	1.21	0.108	1.07			
Silver	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Sodium	---	---	mg/L	0.020	3.40	3.68	3.51	3.30	3.38	3.71	3.72	3.49	0.971	1.04			
Strontium	---	---	mg/L	0.00010	0.0433	0.0467	0.0447	0.0405	0.0447	0.0473	0.0459	0.0457	0.0140	0.0179			
Tellurium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Thallium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Thorium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Tin	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Titanium	---	---	mg/L	0.00020	0.00022	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Tungsten	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Uranium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Vanadium	---	---	mg/L	0.00020	0.00065	0.00044	0.00078	0.00045	0.00071	0.00061	0.00051	0.00042	0.00033	0.00021			
Zinc	---	0.11	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0029	<0.0020			
Zirconium	---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040			

Notes:

^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)

Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.

DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Gaspard Lake		Ghost Lake				Nutt Lake			
								GSL-01		GHL-01		GHL-02		GHL-03		NTL-01	
								0.25	0.25	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.25
								28-May-11	14-Sep-11	20-May-11	14-Sep-11	20-May-11	14-Sep-11	20-May-11	14-Sep-11	28-May-11	14-Sep-11
Conventional Parameters																	
Field Measured Temperature	---	---	°C	0.01	14.61	11.94	17.78	12.24	17.45	12.39	17.44	12.48	15.09	10.77			
Laboratory-Measured pH	6.5 - 9.0	---	pH units	0.10	7.77	7.79	7.74	7.82	7.76	7.80	7.80	7.86	7.33	7.32			
Conductivity	---	---	umhos/cm	0.40	85.4	88.6	93.8	102	93.1	102	93.1	102	46.5	47.0			
Hardness (as CaCO ₃)	---	---	mg/L	0.30	45.8	49.9	45.2	50.6	45.9	50.7	43.0	50.1	25.0	25.3			
True Color	---	---	C.U.	5.0	80.9	85.7	24.1	23.5	24.5	18.4	24.4	17.0	88.7	78.3			
TSS	---	---	mg/L	5.0	<5.0	<5.0	7.0	9.0	5.0	5.0	5.0	<5.0	<5.0	<5.0			
TDS	---	---	mg/L	5.0	50.0	68.0	42.0	70.0	46.0	68.0	50.0	62.0	30.0	36.0			
Turbidity	---	---	NTU	0.10	1.13	1.05	1.47	1.34	1.43	1.63	1.40	0.95	1.17	1.28			
Anions and Nutrients																	
Acidity (as CaCO ₃)	---	---	mg/L	1.0	1.1	1.4	1.4	1.4	1.6	1.3	1.4	1.1	1.4	1.8			
Total Alkalinity (as CaCO ₃)	---	---	mg/L	1.0	41.3	46.5	38.0	43.7	37.3	43.8	37.5	43.5	19.8	20.6			
Bicarbonate	---	---	mg/L	2.0	50.4	56.7	46.3	53.3	45.5	53.5	45.8	53.1	24.2	25.1			
Bromide	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Carbonate	---	---	mg/L	0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60			
Chloride	120	---	mg/L	0.50	0.51	<0.50	1.15	1.27	1.08	1.26	1.19	1.24	<0.50	<0.50			
Fluoride	0.120	---	mg/L	0.050	<0.10	<0.10	<0.050	<0.10	<0.050	<0.10	<0.050	<0.10	<0.10	<0.10			
Hydroxide	---	---	mg/L	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40			
Reactive Silica (as SiO ₂)	---	---	mg/L	0.0050 - 0.05	5.20	4.04	0.726	0.759	0.730	0.745	0.715	0.727	1.11	1.24			
Sulfate	---	---	mg/L	0.50	<0.50	<0.50	6.78	6.90	6.91	6.99	6.86	7.41	<0.50	0.67			
Ammonia as N	0.59	0.0067	mg/L	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.064	0.062			
Nitrate and Nitrite as N	---	10	mg/L	0.050 - 0.35	<0.071	<0.071	<0.050	<0.071	<0.050	<0.071	<0.050	<0.071	<0.071	<0.071			
Nitrate-N	13	---	mg/L	0.050 - 0.25	<0.050	<0.050	---	<0.050	---	<0.050	---	<0.050	<0.050	<0.050			
Nitrite-N	0.06	---	mg/L	0.050 - 0.25	<0.050	<0.050	---	<0.050	---	<0.050	---	<0.050	<0.050	<0.050			
TKN	---	---	mg/L	0.20	0.73	0.74	0.90	0.87	0.88	0.86	0.89	0.87	1.05	1.14			
TP	---	---	mg/L	0.010	0.016	0.011	0.016	0.012	0.015	0.015	0.015	0.011	0.016	0.011			
Aggregate Organics																	
BOD Carbonaceous	---	---	mg/L	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	1.4			
Organic Parameters																	
Chlorophyll a	---	---	µg/L	0.10	1.56	2.70	2.81	2.74	3.09	3.41	3.39	3.39	3.08	4.87			
Phaeophytin a	---	---	µg/L	0.10 - 0.20	1.50	1.85	2.68	1.90	2.55	1.99	2.61	1.71	2.86	2.68			
Organic / Inorganic Carbon																	
DOC	---	---	mg/L	1.0	18.7	21.7	12.9	15.5	12.9	15.3	12.9	15.3	24.3	28.0			
TOC	---	---	mg/L	1.0	18.7	22.9	14.3	16.5	14.0	16.6	14.0	16.6	24.5	29.5			

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody Sample ID Sample Depth Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Gaspard Lake		Ghost Lake						Nutt Lake	
					GSL-01		GHL-01		GHL-02		GHL-03		NTL-01	
					0.25	0.25	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.25
					28-May-11	14-Sep-11	20-May-11	14-Sep-11	20-May-11	14-Sep-11	20-May-11	14-Sep-11	28-May-11	14-Sep-11
Total Metals														
Aluminum	0.1	---	mg/L	0.0050	0.0130	0.0093	0.0423	0.0222	0.0393	0.0267	0.0411	0.0199	0.0790	0.0636
Antimony	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic	0.005	0.15	mg/L	0.00020	0.00123	0.00127	0.00176	0.00197	0.00155	0.00203	0.00162	0.00183	0.00127	0.00105
Barium	---	---	mg/L	0.00020	0.00452	0.00672	0.0117	0.0177	0.0113	0.0184	0.0114	0.0168	0.00983	0.0122
Beryllium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron	1.5	---	mg/L	0.010	<0.010	<0.010	0.012	<0.010	0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium	0.00003	0.00025	mg/L	0.000010	<0.000010	<0.000010	<0.000010	0.000028	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Calcium	---	---	mg/L	0.10	13.2	14.5	12.2	12.8	11.3	13.8	11.9	12.9	7.16	8.49
Cesium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Copper	0.00216	0.009	mg/L	0.00020	0.00030	0.00021	0.00052	0.00035	0.00046	0.00059	0.00044	0.00031	0.00051	0.00042
Iron	0.3	---	mg/L	0.10	1.17	0.51	0.16	0.14	0.16	0.14	0.15	0.11	0.43	0.16
Lead	0.00278	0.003	mg/L	0.000090	<0.000090	<0.000090	0.000099	<0.000090	0.000097	0.000190	0.000103	<0.000090	0.000180	<0.000090
Lithium	---	---	mg/L	0.0020	<0.0020	0.0030	0.0033	0.0031	0.0030	0.0030	0.0026	0.0031	<0.0020	<0.0020
Magnesium	---	---	mg/L	0.010	3.68	3.78	5.22	4.92	4.67	5.13	4.87	4.93	2.10	2.49
Manganese	---	---	mg/L	0.00030	0.0245	0.0385	0.0457	0.0769	0.0443	0.0768	0.0367	0.0784	0.0172	0.0373
Mercury	0.000026	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum	0.073	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	0.08822	0.048	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Phosphorus	---	---	mg/L	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Potassium	---	---	mg/L	0.020	0.760	0.423	0.913	0.798	0.841	0.826	0.868	0.778	0.511	0.561
Rubidium	---	---	mg/L	0.00020	0.00089	0.00057	0.00108	0.00115	0.00107	0.00123	0.00106	0.00111	0.00098	0.00100
Selenium	0.001	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	---	---	mg/L	0.050	2.63	3.32	0.397	0.408	0.417	0.447	0.394	0.372	0.678	1.17
Silver	0.0001	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium	---	---	mg/L	0.030	1.13	1.12	1.40	1.49	1.34	1.50	1.34	1.41	0.807	0.939
Strontium	---	---	mg/L	0.00010	0.0174	0.0195	0.0283	0.0336	0.0281	0.0348	0.0276	0.0331	0.0116	0.0137
Tellurium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium	0.0008	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium	---	---	mg/L	0.00020	0.00033	<0.00020	0.00038	0.00051	0.00032	0.00062	0.00034	0.00025	0.00053	0.00024
Tungsten	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Uranium	0.015	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Vanadium	---	---	mg/L	0.00020	0.00025	<0.00020	0.00028	<0.00020	0.00023	<0.00020	0.00026	<0.00020	0.00027	<0.00020
Zinc	0.03	0.108	mg/L	0.0050	<0.0050	<0.0050	0.0078	0.0053	0.0083	0.0096	0.0096	0.0123	<0.0050	<0.0050
Zirconium	---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Gaspard Lake		Ghost Lake				Nutt Lake			
								GSL-01		GHL-01		GHL-02		GHL-03		NTL-01	
								0.25	0.25	0.25	0.1	0.25	0.1	0.25	0.1	0.25	0.25
								28-May-11	14-Sep-11	20-May-11	14-Sep-11	20-May-11	14-Sep-11	20-May-11	14-Sep-11	28-May-11	14-Sep-11
Dissolved Metals																	
Aluminum	---	---	---	---	---	mg/L	0.0020	0.0069	0.0048	0.0240	0.0084	0.0240	0.0092	0.0242	0.0099	0.0552	0.0406
Antimony	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00021	<0.00020	0.00023	<0.00020	<0.00020	<0.00020
Arsenic	---	0.15	---	---	---	mg/L	0.00020	0.00115	0.00123	0.00147	0.00180	0.00143	0.00179	0.00132	0.00167	0.00114	0.00098
Barium	---	---	---	---	---	mg/L	0.00020	0.00395	0.00583	0.0109	0.0165	0.0101	0.0162	0.0102	0.0153	0.00831	0.0115
Beryllium	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron	---	---	---	---	---	mg/L	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium	---	0.00023	---	---	---	mg/L	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Calcium	---	---	---	---	---	mg/L	0.050	12.5	13.9	10.8	12.4	11.0	12.4	10.2	12.2	6.75	6.67
Cesium	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium	---	---	---	---	---	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Cobalt	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Copper	---	0.008	---	---	---	mg/L	0.00020	<0.00020	0.00020	0.00032	0.00047	0.00033	0.00038	0.00036	0.00031	0.00038	0.00048
Iron	---	---	---	---	---	mg/L	0.10	0.88	0.25	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.28	<0.10
Lead	---	0.002	---	---	---	mg/L	0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	0.000090	<0.000090
Lithium	---	---	---	---	---	mg/L	0.0020	<0.0020	<0.0020	0.0024	0.0027	0.0030	0.0035	0.0023	0.0026	<0.0020	0.0020
Magnesium	---	---	---	---	---	mg/L	0.010	3.55	3.70	4.43	4.80	4.47	4.83	4.25	4.74	1.98	2.10
Manganese	---	---	---	---	---	mg/L	0.00010	0.00181	0.00104	0.00081	0.00044	0.00109	0.00856	0.00080	0.00170	0.00123	0.00250
Mercury	---	---	---	---	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Nickel	---	0.048	---	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Phosphorus	---	---	---	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Potassium	---	---	---	---	---	mg/L	0.020	0.687	0.415	0.769	0.763	0.762	0.768	0.728	0.742	0.488	0.440
Rubidium	---	---	---	---	---	mg/L	0.00020	0.00080	0.00055	0.00108	0.00110	0.00106	0.00109	0.00104	0.00105	0.00085	0.00087
Selenium	---	---	---	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	---	---	---	---	---	mg/L	0.050	2.21	2.66	0.345	0.381	0.345	0.379	0.337	0.374	0.407	0.556
Silver	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium	---	---	---	---	---	mg/L	0.020	0.925	1.11	1.33	1.38	1.32	1.37	1.26	1.37	0.670	0.770
Strontium	---	---	---	---	---	mg/L	0.00010	0.0163	0.0208	0.0276	0.0322	0.0271	0.0327	0.0265	0.0311	0.0100	0.0123
Tellurium	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00027	<0.00020
Tungsten	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Uranium	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Vanadium	---	---	---	---	---	mg/L	0.00020	0.00042	<0.00020	0.00041	<0.00020	0.00035	<0.00020	<0.00020	0.00025	0.00028	<0.00020
Zinc	---	0.11	---	---	---	mg/L	0.0020	<0.0020	<0.0020	0.0036	0.0047	0.0065	0.0034	0.0050	0.0061	<0.0020	0.0024
Zirconium	---	---	---	---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Snow Lake				Threehouse Lake						Unnamed Lake 1	
								SNL-01		SNL-02		THL-01		THL-02		THL-03		UL1-01	
								3.0	3.0	3.0	0.1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
								25-May-11	14-Sep-11	25-May-11	14-Sep-11	27-May-11	15-Sep-11	27-May-11	15-Sep-11	27-May-11	15-Sep-11	27-May-11	15-Sep-11
Conventional Parameters																			
Field Measured Temperature	---	---	°C	0.01	10.69	16.20	12.02	15.80	17.50	10.73	16.66	10.69	17.24	10.11	12.41	11.57			
Laboratory-Measured pH	6.5 - 9.0	---	pH units	0.10	7.94	8.03	7.91	7.87	7.87	7.82	7.79	7.85	7.85	7.84	7.33	7.45			
Conductivity	---	---	umhos/cm	0.40	120	120	103	104	73.1	76.0	72.7	76.3	73.1	75.2	50.7	58.4			
Hardness (as CaCO ₃)	---	---	mg/L	0.30	59.6	61.3	51.7	54.0	37.4	38.2	36.5	40.5	36.8	40.4	25.7	30.2			
True Color	---	---	C.U.	5.0	31.5	30.1	33.1	27.5	49.4	44.8	48.2	40.8	49.0	39.8	56.9	63.2			
TSS	---	---	mg/L	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.0			
TDS	---	---	mg/L	5.0	64.0	74.0	60.0	54.0	40.0	56.0	42.0	54.0	38.0	48.0	28.0	44.0			
Turbidity	---	---	NTU	0.10	1.28	1.17	1.44	0.12	1.33	2.07	1.27	2.59	1.76	2.21	1.87	2.41			
Anions and Nutrients																			
Acidity (as CaCO ₃)	---	---	mg/L	1.0	2.2	1.0	1.9	1.1	1.8	1.0	1.9	1.1	1.6	1.0	2.5	1.6			
Total Alkalinity (as CaCO ₃)	---	---	mg/L	1.0	56.0	58.8	50.1	52.9	35.0	38.8	34.8	38.9	35.0	38.3	21.8	26.4			
Bicarbonate	---	---	mg/L	2.0	68.3	71.7	61.1	64.5	42.7	47.4	42.4	47.5	42.7	46.7	26.6	32.2			
Bromide	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Carbonate	---	---	mg/L	0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60			
Chloride	120	---	mg/L	0.50	2.30	2.30	1.21	1.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50			
Fluoride	0.120	---	mg/L	0.050	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Hydroxide	---	---	mg/L	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40			
Reactive Silica (as SiO ₂)	---	---	mg/L	0.0050 - 0.05	1.31	1.78	1.86	3.94	0.815	1.47	0.786	1.35	0.661	1.38	0.156	1.41			
Sulfate	---	---	mg/L	0.50	3.15	3.03	2.02	1.56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.15	1.03			
Ammonia as N	0.59	0.0067	mg/L	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.128			
Nitrate and Nitrite as N	---	10	mg/L	0.050 - 0.35	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071			
Nitrate-N	13	---	mg/L	0.050 - 0.25	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			
Nitrite-N	0.06	---	mg/L	0.050 - 0.25	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			
TKN	---	---	mg/L	0.20	0.92	0.76	0.61	0.67	0.88	0.95	0.94	1.00	0.92	1.00	1.28	1.67			
TP	---	---	mg/L	0.010	0.019	0.029	0.011	0.019	0.016	0.010	0.017	0.013	0.017	0.013	0.024	0.024			
Aggregate Organics																			
BOD Carbonaceous	---	---	mg/L	1.0	1.3	<1.0	<1.0	<1.0	1.3	2.2	<1.0	1.6	1.5	2.0	2.2	2.0			
Organic Parameters																			
Chlorophyll a	---	---	µg/L	0.10	5.64	10.4	3.89	4.43	2.88	3.58	2.94	4.21	3.27	4.52	8.69	7.18			
Phaeophytin a	---	---	µg/L	0.10 - 0.20	4.37	2.88	2.29	2.18	1.23	1.44	1.24	1.84	1.33	1.88	3.72	3.70			
Organic / Inorganic Carbon																			
DOC	---	---	mg/L	1.0	14.5	13.8	14.0	14.3	18.7	21.6	18.9	21.2	19.0	21.7	22.5	28.0			
TOC	---	---	mg/L	1.0	14.6	14.7	14.2	15.5	19.4	23.7	18.8	23.7	19.2	24.1	23.5	30.7			

Notes:

^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)

Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.

DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity

Units: µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Snow Lake				Threehouse Lake				Unnamed Lake 1			
								SNL-01		SNL-02		THL-01		THL-02		THL-03		UL1-01	
								3.0	3.0	3.0	0.1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
								25-May-11	14-Sep-11	25-May-11	14-Sep-11	27-May-11	15-Sep-11	27-May-11	15-Sep-11	27-May-11	15-Sep-11	27-May-11	14-Sep-11
Total Metals																			
Aluminum	0.1	---	mg/L	0.0050	0.0593	0.0501	0.0985	0.0323	0.0244	0.0121	0.0210	0.0116	0.0230	0.0091	0.0874	0.0700			
Antimony	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Arsenic	0.005	0.15	mg/L	0.00020	0.00190	0.00344	0.00123	0.00177	0.00155	0.00147	0.00155	0.00148	0.00163	0.00120	0.00100	0.00106			
Barium	---	---	mg/L	0.00020	0.00872	0.00974	0.00874	0.00832	0.00728	0.00993	0.00750	0.0103	0.00791	0.00929	0.0132	0.0208			
Beryllium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Bismuth	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Boron	1.5	---	mg/L	0.010	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010			
Cadmium	0.00003	0.00025	mg/L	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.000010	<0.000010	<0.000010	<0.000010			
Calcium	---	---	mg/L	0.10	14.5	16.0	12.7	13.1	10.6	11.5	10.7	11.5	10.9	9.55	8.91	10.4			
Cesium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Chromium	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Cobalt	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Copper	0.00216	0.009	mg/L	0.00020	0.00215	0.00217	0.00112	0.00096	0.00026	<0.00020	0.00025	<0.00020	0.00024	<0.00020	0.00142	0.00128			
Iron	0.3	---	mg/L	0.10	0.16	<0.10	0.17	<0.10	0.58	0.14	0.65	0.18	0.56	0.11	0.24	0.11			
Lead	0.00278	0.003	mg/L	0.000090	<0.000090	<0.000116	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	0.000121	<0.000090	0.000199	0.000120			
Lithium	---	---	mg/L	0.0020	0.0026	0.0034	0.0025	0.0034	<0.0020	<0.0020	<0.0020	<0.0020	0.0023	<0.0020	<0.0020	0.0024			
Magnesium	---	---	mg/L	0.010	5.28	5.88	4.65	4.74	3.20	3.50	3.21	3.38	3.24	2.87	1.55	1.79			
Manganese	---	---	mg/L	0.00030	0.0240	0.0282	0.0189	0.0356	0.0237	0.0557	0.0309	0.0582	0.0301	0.0462	0.0245	0.0268			
Mercury	0.000026	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050			
Molybdenum	0.073	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Nickel	0.08822	0.048	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020			
Phosphorus	---	---	mg/L	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20			
Potassium	---	---	mg/L	0.020	1.22	1.36	1.07	1.06	0.603	0.578	0.591	0.566	0.616	0.700	0.866	0.786			
Rubidium	---	---	mg/L	0.00020	0.00108	0.00114	0.00107	0.00108	0.00093	0.00087	0.00093	0.00089	0.00092	0.00077	0.00168	0.00157			
Selenium	0.001	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon	---	---	mg/L	0.050	0.946	1.80	1.32	2.91	0.461	0.970	0.447	0.845	0.391	0.7877	0.209	1.32			
Silver	0.0001	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Sodium	---	---	mg/L	0.030	2.77	3.08	2.25	2.25	1.17	1.19	1.18	1.19	1.19	1.02	0.783	0.848			
Strontium	---	---	mg/L	0.00010	0.0301	0.0331	0.0270	0.0295	0.0199	0.0225	0.0198	0.0213	0.0201	0.0184	0.0154	0.0174			
Tellurium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Thallium	0.0008	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Thorium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Tin	---	---	mg/L	0.00020	0.00033	<0.00020	<0.00020	<0.00020	0.00034	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Titanium	---	---	mg/L	0.00020	0.00223	0.00212	0.00370	0.00127	0.00026	<0.00020	0.00022	<0.00020	0.00021	<0.00020	0.00088	0.00048			
Tungsten	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Uranium	0.015	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Vanadium	---	---	mg/L	0.00020	0.00028	0.00036	0.00034	0.00023	0.00021	<0.00020	0.00022	<0.00020	0.00026	<0.00020	0.00040	0.00030			
Zinc	0.03	0.108	mg/L	0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050			
Zirconium	---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040			

Notes:

^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)

Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.

DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per litre; TCU = true color unit; NTU = Nephelometric Turbidity

Units: µg/L = micrograms per litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Snow Lake				Threehouse Lake				Unnamed Lake 1			
								SNL-01		SNL-02		THL-01		THL-02		THL-03		UL1-01	
								3.0	3.0	3.0	0.1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
								25-May-11	14-Sep-11	25-May-11	14-Sep-11	27-May-11	15-Sep-11	27-May-11	15-Sep-11	27-May-11	15-Sep-11	29-May-11	14-Sep-11
Dissolved Metals																			
Aluminum	---	---	mg/L	0.0020	0.0055	0.0053	0.0101	0.0043	0.0138	0.0062	0.0109	0.0056	0.0136	0.0066	0.0526	0.0418			
Antimony	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Arsenic	---	0.15	mg/L	0.00020	0.00158	0.00310	0.00112	0.00164	0.00136	0.00132	0.00133	0.00137	0.00141	0.00135	0.00093	0.00096			
Barium	---	---	mg/L	0.00020	0.00802	0.00869	0.00793	0.00798	0.00614	0.00698	0.00623	0.00719	0.00658	0.00812	0.0112	0.0189			
Beryllium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Bismuth	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Boron	---	---	mg/L	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010			
Cadmium	---	0.00023	mg/L	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010			
Calcium	---	---	mg/L	0.050	14.5	15.4	12.7	13.4	10.1	10.3	9.80	10.9	10.0	10.9	7.81	9.36			
Cesium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Chromium	---	---	mg/L	0.0020	<0.0020	<0.0020	0.0039	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020			
Cobalt	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Copper	---	0.008	mg/L	0.00020	0.00171	0.00142	0.00132	0.00083	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00113	0.00099			
Iron	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	0.29	<0.10	0.32	<0.10	0.42	<0.10	<0.10	<0.10			
Lead	---	0.002	mg/L	0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090			
Lithium	---	---	mg/L	0.0020	0.0025	0.0030	0.0022	0.0031	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020			
Magnesium	---	---	mg/L	0.010	5.69	5.58	4.84	4.98	2.95	3.03	2.93	3.24	2.88	3.22	1.50	1.66			
Manganese	---	---	mg/L	0.00010	0.00042	0.00036	0.00048	0.00023	0.00132	0.00079	0.00143	0.00029	0.00177	0.00031	0.00090	0.00369			
Mercury	---	---	mg/L	0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050			
Molybdenum	---	---	mg/L	0.00010	0.00013	0.00013	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Nickel	---	0.048	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Phosphorus	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Potassium	---	---	mg/L	0.020	1.33	1.24	1.12	1.07	0.583	0.524	0.557	0.572	0.545	0.587	0.779	0.701			
Rubidium	---	---	mg/L	0.00020	0.00092	0.00104	0.00083	0.00100	0.00085	0.00083	0.00083	0.00089	0.00084	0.00092	0.00150	0.00145			
Selenium	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010			
Silicon	---	---	mg/L	0.050	0.769	0.848	0.971	1.88	0.428	0.670	0.388	0.627	0.328	0.632	0.089	0.650			
Silver	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Sodium	---	---	mg/L	0.020	2.86	2.85	2.68	2.33	0.935	1.08	0.937	1.14	0.932	1.13	0.813	0.777			
Strontium	---	---	mg/L	0.00010	0.0288	0.0332	0.0251	0.0294	0.0182	0.0204	0.0180	0.0214	0.0182	0.0220	0.0142	0.0169			
Tellurium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Thallium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Thorium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Tin	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Titanium	---	---	mg/L	0.00020	<0.00020	<0.00020	0.00023	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00025	<0.00020			
Tungsten	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020			
Uranium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010			
Vanadium	---	---	mg/L	0.00020	0.00039	0.00046	0.00034	0.00026	0.00033	<0.00020	0.00036	0.00022	0.00024	<0.00020	0.00032	0.00023			
Zinc	---	0.11	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020			
Zirconium	---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00051	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040			

Notes:

^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)

Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.

DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity

Units: µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Anderson Creek						Ghost Creek		Stall Creek			
								ANC-01		ANC-02		ANC-04	GHC-01		STC-01		STC-02		
								0.25	0.25	0.25	0.25	0.25	0.25	0.1	0.1	0.25	0.1	0.25	
								30-May-11	15-Sep-11	22-May-11	17-Sep-11	18-Jun-12	21-May-11	13-Sep-11	25-May-11	16-Sep-11	30-May-11	15-Sep-11	
Conventional Parameters																			
Field Measured Temperature	---	---	°C	0.01	13.07	11.32	16.98	12.02	15.56	20.59	10.69	6.19	8.57	17.48	15.00				
Laboratory-Measured pH	6.5 - 9.0	---	pH units	0.10	7.86	7.93	8.02	7.39	8.07	7.82	7.02	7.89	8.14	7.78	8.07				
Conductivity	---	---	umhos/cm	0.40	501	498	492	503	490	98.7	90.8	433	419	297	307				
Hardness (as CaCO ₃)	---	---	mg/L	0.30	226	241	212	256	---	49.0	52.7	223	215	149	170				
True Color	---	---	C.U.	5.0	11.5	10.2	13.5	7.5	13	49.3	324	34.1	49.7	91.2	130				
TSS	---	---	mg/L	5.0	7.0	11.0	14.0	7.0	<5.0	<5.0	13.0	<5.0	<5.0	<5.0	30.0				
TDS	---	---	mg/L	5.0	330	332	320	344	302	46.0	70.0	268	264	194	230				
Turbidity	---	---	NTU	0.10	3.23	2.93	3.42	6.26	2.89	1.53	5.10	0.30	0.27	0.95	1.73				
Anions and Nutrients																			
Acidity (as CaCO ₃)	---	---	mg/L	1.0	2.3	1.4	1.6	2.8	8.4	4.2	7.4	3.2	1.6	3.2	2.7				
Total Alkalinity (as CaCO ₃)	---	---	mg/L	1.0	54.5	53.5	53.6	55.1	---	40.5	39.2	127	193	106	149				
Bicarbonate	---	---	mg/L	2.0	66.5	65.3	65.3	67.2	---	49.5	47.8	155	235	129	181				
Bromide	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	---	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
Carbonate	---	---	mg/L	0.60	<0.60	<0.60	<0.60	<0.60	---	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60				
Chloride	120	---	mg/L	0.50	16.3	17.2	15.5	17.2	---	1.21	3.56	6.87	5.17	5.02	5.10				
Fluoride	0.120	---	mg/L	0.050	0.23	0.25	0.182	0.24	---	<0.050	<0.10	0.14	0.16	<0.10	<0.10				
Hydroxide	---	---	mg/L	0.40	<0.40	<0.40	<0.40	<0.40	---	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40				
Reactive Silica (as SiO ₂)	---	---	mg/L	0.0050 - 0.05	0.159	0.957	0.258	0.859	0.373	0.876	5.73	4.45	7.77	0.185	5.56				
Sulfate	---	---	mg/L	0.50	171	179	163	178	---	5.89	0.54	93.9	37.2	44.6	31.7				
Ammonia as N	0.59	0.0067	mg/L	0.050	<0.050	<0.050	<0.050	<0.050	---	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Nitrate and Nitrite as N	---	10	mg/L	0.050 - 0.35	<0.071	<0.071	0.060	<0.071	---	<0.050	<0.071	<0.071	<0.071	<0.071	<0.071				
Nitrate-N	13	---	mg/L	0.050 - 0.25	<0.050	<0.050	---	<0.050	---	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
Nitrite-N	0.06	---	mg/L	0.050 - 0.25	<0.050	<0.050	---	<0.050	---	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050				
TKN	---	---	mg/L	0.20	0.60	0.59	0.60	0.71	0.56	0.96	1.83	0.64	0.73	1.00	1.39				
TP	---	---	mg/L	0.010	0.014	0.016	0.017	0.017	0.024	0.030	0.053	<0.010	<0.010	0.016	0.047				
Aggregate Organics																			
BOD Carbonaceous	---	---	mg/L	1.0	2.1	2.1	1.5	1.2	6.0	1.6	4.2	<1.0	<1.0	1.8	3.9				
Organic Parameters																			
Chlorophyll a	---	---	µg/L	0.10	3.92	1.46	4.28	1.67	<1.0	2.85	11.6	0.26	0.35	1.53	11.4				
Phaeophytin a	---	---	µg/L	0.10 - 0.20	1.27	1.21	3.90	1.30	---	7.08	11.6	0.12	0.52	1.35	9.98				
Organic / Inorganic Carbon																			
DOC	---	---	mg/L	1.0	9.3	10.5	9.9	10.3	11.4	16.0	42.0	17.1	21.9	28.4	34.8				
TOC	---	---	mg/L	1.0	9.5	11.5	9.6	11.9	20	16.1	45.0	17.0	23.1	28.7	36.3				

Notes:

^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)

Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.

DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody Sample ID Sample Depth Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Anderson Creek					Ghost Creek		Stall Creek			
					ANC-01		ANC-02		ANC-04	GHC-01		STC-01		STC-02	
					0.25	0.25	0.25	0.25	0.25	0.25	0.1	0.1	0.25	0.1	0.25
					30-May-11	15-Sep-11	22-May-11	17-Sep-11	18-Jun-12	21-May-11	13-Sep-11	25-May-11	16-Sep-11	30-May-11	15-Sep-11
Total Metals															
Aluminum	0.1	---	mg/L	0.0050	0.204	0.103	0.269	0.180	0.0434	0.0226	0.0927	0.0157	0.0308	0.0805	0.0593
Antimony	---	---	mg/L	0.00020	0.0106	0.00754	0.0107	0.00682	0.00975	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic	0.005	0.15	mg/L	0.00020	0.00209	0.00263	0.00376	0.00288	0.00276	0.00380	0.0122	0.00077	0.00106	0.00076	0.00071
Barium	---	---	mg/L	0.00020	0.0213	0.0276	0.0201	0.0252	0.022	0.0121	0.0133	0.0212	0.0285	0.0205	0.0284
Beryllium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron	1.5	---	mg/L	0.010	0.021	0.024	0.024	0.023	0.024	0.010	<0.010	0.032	0.031	0.016	0.018
Cadmium	0.00003	0.00025	mg/L	0.000010	0.000077	0.000027	0.000110	0.000028	0.000043	<0.000010	<0.000010	0.000010	0.000014	<0.000010	<0.000010
Calcium	---	---	mg/L	0.10	75.4	78.2	73.2	73.3	83	13.0	13.4	51.9	54.4	36.4	42.4
Cesium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium	---	---	mg/L	0.00010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt	---	---	mg/L	0.00020	0.00027	0.00022	0.00024	0.00028	0.00022	<0.00020	0.00034	0.00069	0.00219	<0.00020	0.00022
Copper	0.00216	0.009	mg/L	0.00020	0.00594	0.00179	0.00704	0.00256	0.00295	0.00104	0.00086	0.0123	0.00957	0.00071	0.00053
Iron	0.3	---	mg/L	0.10	0.31	0.24	0.34	0.28	<0.10	0.46	1.16	0.11	0.23	0.10	0.17
Lead	0.00278	0.003	mg/L	0.00090	0.000269	0.000144	0.000382	0.000244	0.000152	0.000093	0.000200	<0.00090	<0.00090	<0.00090	<0.00090
Lithium	---	---	mg/L	0.0020	0.0053	0.0058	0.0051	0.0061	0.0051	0.0025	<0.0020	0.0035	0.0031	0.0040	0.0049
Magnesium	---	---	mg/L	0.010	8.41	9.52	8.56	9.24	8.98	4.79	4.75	20.2	21.2	14.9	17.0
Manganese	---	---	mg/L	0.00030	0.0217	0.0232	0.0202	0.0292	0.0377	0.0664	0.160	0.0354	0.318	0.0176	0.0289
Mercury	0.000026	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000020	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum	0.073	---	mg/L	0.00020	0.00078	0.00069	0.00090	0.00075	0.00077	<0.00020	<0.00020	<0.00020	0.00021	<0.00020	<0.00020
Nickel	0.08822	0.048	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0021	<0.0020	<0.0020
Phosphorus	---	---	mg/L	0.20	<0.20	<0.20	<0.20	<0.20	<0.10	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Potassium	---	---	mg/L	0.020	6.28	6.15	6.01	6.46	5.98	0.877	0.460	3.62	3.66	2.95	1.21
Rubidium	---	---	mg/L	0.00020	0.00421	0.00375	0.00396	0.00424	0.00383	0.00116	0.00076	0.00141	0.00135	0.00189	0.00115
Selenium	0.001	---	mg/L	0.0010	<0.0010	<0.0010	0.0013	<0.0010	0.0019	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	---	---	mg/L	0.050	0.491	0.897	0.641	0.825	0.306	0.546	2.50	2.20	4.84	0.299	2.97
Silver	0.0001	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium	---	---	mg/L	0.030	9.88	10.5	10.3	8.62	9.6	1.49	1.83	9.77	9.73	7.83	9.66
Strontium	---	---	mg/L	0.00010	0.175	0.181	0.195	0.192	0.175	0.0263	0.0323	0.129	0.134	0.110	0.126
Tellurium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium	0.0008	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium	---	---	mg/L	0.00020	0.0119	0.00499	0.0107	0.00984	0.00525	0.00051	0.00161	0.00073	0.00086	0.00366	0.00278
Tungsten	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.00012	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Uranium	0.015	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00023	0.00035	<0.00010	<0.00010
Vanadium	---	---	mg/L	0.00020	0.00065	0.00049	0.00065	0.00063	<0.00020	0.00028	0.00032	<0.00020	<0.00020	0.00057	0.00025
Zinc	0.03	0.108	mg/L	0.0050	0.0608	0.0340	0.0717	0.0392	0.0389	0.0081	0.0121	0.0161	0.0178	<0.0050	<0.0050
Zirconium	---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	0.00133	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040

Notes:

^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)

Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.

DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Anderson Creek						Ghost Creek		Stall Creek			
								ANC-01		ANC-02		ANC-04	GHC-01		STC-01		STC-02		
								0.25	0.25	0.25	0.25	0.25	0.25	0.1	0.1	0.1	0.25	0.1	0.25
								30-May-11	15-Sep-11	22-May-11	17-Sep-11	18-Jun-12	21-May-11	13-Sep-11	25-May-11	16-Sep-11	30-May-11	15-Sep-11	
Dissolved Metals																			
Aluminum	---	---	mg/L	0.0020	0.0070	0.0030	0.0071	0.0027	<0.020	0.0112	0.0588	0.0133	0.0150	0.0098	0.0081				
Antimony	---	---	mg/L	0.00020	0.0111	0.00733	0.0112	0.00755	0.0098	0.00024	0.00025	<0.00020	<0.00020	<0.00020	<0.00020				
Arsenic	---	0.15	mg/L	0.00020	0.00289	0.00225	0.00321	0.00247	0.0026	0.00294	0.00769	0.00081	0.00106	0.00085	0.00072				
Barium	---	---	mg/L	0.00020	0.0195	0.0239	0.0178	0.0241	0.0213	0.0113	0.0113	0.0220	0.0227	0.0189	0.0213				
Beryllium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020				
Bismuth	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020				
Boron	---	---	mg/L	0.010	0.026	0.021	0.021	0.023	<0.10	0.011	<0.010	0.028	0.032	0.021	0.018				
Cadmium	---	0.00023	mg/L	0.000010	<0.000010	0.000014	<0.000010	<0.000010	<0.00010	<0.000010	<0.000010	0.000011	0.000016	<0.000010	<0.000010				
Calcium	---	---	mg/L	0.050	76.8	82.1	73.2	88.2	77.5	11.9	13.7	54.1	51.9	34.1	39.8				
Cesium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Chromium	---	---	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.020	<0.0020	<0.0020	0.0027	<0.0020	0.0022	<0.0020				
Cobalt	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	0.00042	0.00128	<0.00020	<0.00020				
Copper	---	0.008	mg/L	0.00020	0.00307	0.00156	0.00276	0.00140	0.0025	0.00059	0.00067	0.0114	0.00915	0.00066	0.00024				
Iron	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<1.0	0.15	0.62	<0.10	<0.10	<0.10	<0.10				
Lead	---	0.002	mg/L	0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.00090	<0.000090	<0.00090	<0.00090	<0.00090	<0.00090	<0.00090				
Lithium	---	---	mg/L	0.0020	0.0082	0.0053	0.0047	0.0067	<0.020	0.0025	<0.0020	0.0027	0.0044	0.0078	0.0053				
Magnesium	---	---	mg/L	0.010	8.35	8.68	7.15	8.59	8.79	4.67	4.51	21.5	20.8	15.5	17.2				
Manganese	---	---	mg/L	0.00010	0.00159	0.00530	0.00245	0.0107	0.009	0.00300	0.00441	0.0208	0.205	0.00981	0.00613				
Mercury	---	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.00020	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050				
Molybdenum	---	---	mg/L	0.00010	0.00088	0.00046	0.00084	0.00082	<0.0010	<0.00010	<0.00010	<0.00010	0.00023	<0.00010	<0.00010				
Nickel	---	0.048	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.010	<0.0010	<0.0010	0.0012	0.0018	<0.0010	<0.0010				
Phosphorus	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.30	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
Potassium	---	---	mg/L	0.020	5.88	5.91	5.10	6.07	5.79	8.72	4.79	3.87	3.53	2.87	1.16				
Rubidium	---	---	mg/L	0.00020	0.00360	0.00371	0.00311	0.00383	0.0037	0.00120	0.00072	0.00134	0.00144	0.00169	0.00106				
Selenium	---	---	mg/L	0.0010	0.0013	<0.0010	0.0014	<0.0010	<0.010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010				
Silicon	---	---	mg/L	0.050	0.122	0.439	0.151	0.435	<0.50	0.488	1.66	2.02	3.50	0.172	2.57				
Silver	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Sodium	---	---	mg/L	0.020	10.5	10.2	8.76	10.1	10.7	1.41	1.77	10.4	9.98	8.76	9.67				
Strontium	---	---	mg/L	0.00010	0.178	0.184	0.179	0.186	0.171	0.0252	0.0277	0.129	0.130	0.107	0.125				
Tellurium	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020				
Thallium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Thorium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.0010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010				
Tin	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020				
Titanium	---	---	mg/L	0.00020	0.00206	0.00066	0.00069	0.00064	<0.0020	<0.00020	0.00076	0.00049	0.00024	0.00100	0.00037				
Tungsten	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0010	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020				
Uranium	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.0010	<0.00010	<0.00010	0.00021	0.00031	<0.00010	<0.00010				
Vanadium	---	---	mg/L	0.00020	0.00072	0.00026	0.00026	0.00046	<0.0020	0.00053	0.00051	<0.00020	<0.00020	<0.00020	0.00052				
Zinc	---	0.11	mg/L	0.0020	0.0332	0.0272	0.0405	0.0298	0.032	0.0058	0.0118	0.0148	0.0143	<0.0020	<0.0020				
Zirconium	---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.0040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040				

Notes:

^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)

Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.

DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Stall Creek		Tern Ditch		Threehouse Creek		Unnamed Creek 1	
								STC-03		TED-01		THC-01		UC1-01	
								0.1	0.25	0.25	0.1	0.25	0.1	0.25	0.1
								30-May-11	15-Sep-11	20-May-11	13-Sep-11	21-May-11	13-Sep-11	21-May-11	13-Sep-11
Conventional Parameters															
Field Measured Temperature	---	---	°C	0.01	14.97	10.28	19.99	11.83	15.99	10.53	8.85	9.85			
Laboratory-Measured pH	6.5 - 9.0	---	pH units	0.10	7.70	7.90	7.70	7.88	7.15	6.93	8.30	7.48			
Conductivity	---	---	umhos/cm	0.40	217	256	119	211	54.6	67.4	267	342			
Hardness (as CaCO ₃)	---	---	mg/L	0.30	105	142	53.5	110	30.4	38.1	161	206			
True Color	---	---	C.U.	5.0	94.2	141	78.4	114	90.6	188	60.1	118			
TSS	---	---	mg/L	5.0	<5.0	14.0	6.0	12.0	<5.0	10.0	5.0	17.0			
TDS	---	---	mg/L	5.0	138	190	80.0	160	30.0	50.0	172	264			
Turbidity	---	---	NTU	0.10	2.09	1.32	0.85	1.91	0.75	3.79	2.30	6.21			
Anions and Nutrients															
Acidity (as CaCO ₃)	---	---	mg/L	1.0	3.9	4.4	2.4	2.2	7.3	5.1	10.7	12.8			
Total Alkalinity (as CaCO ₃)	---	---	mg/L	1.0	98.3	150	47.5	93.7	26.7	33.2	149	220			
Bicarbonate	---	---	mg/L	2.0	120	183	57.9	114	32.5	40.5	181	268			
Bromide	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Carbonate	---	---	mg/L	0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60			
Chloride	120	---	mg/L	0.50	3.17	2.93	7.18	15.8	<0.50	<0.50	<0.50	<0.50			
Fluoride	0.120	---	mg/L	0.050	<0.10	<0.10	<0.050	<0.10	<0.050	<0.10	0.068	0.12			
Hydroxide	---	---	mg/L	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40			
Reactive Silica (as SiO ₂)	---	---	mg/L	0.0050 - 0.05	1.45	13.5	0.569	14.0	0.575	2.79	8.79	17.1			
Sulfate	---	---	mg/L	0.50	12.2	2.89	1.00	<0.50	<0.50	<0.50	2.67	<0.50			
Ammonia as N	0.59	0.0067	mg/L	0.050	<0.050	0.325	<0.050	<0.050	<0.050	<0.050	<0.050	0.169			
Nitrate and Nitrite as N	---	10	mg/L	0.050 - 0.35	<0.071	<0.071	<0.050	<0.071	<0.050	<0.071	<0.050	<0.071			
Nitrate-N	13	---	mg/L	0.050 - 0.25	<0.050	<0.050	---	<0.050	---	<0.050	---	<0.050			
Nitrite-N	0.06	---	mg/L	0.050 - 0.25	<0.050	<0.050	---	<0.050	---	<0.050	---	<0.050			
TKN	---	---	mg/L	0.20	0.94	1.14	0.89	1.91	0.84	1.12	0.94	1.05			
TP	---	---	mg/L	0.010	0.032	0.081	0.018	0.032	0.022	0.038	0.042	0.144			
Aggregate Organics															
BOD Carbonaceous	---	---	mg/L	1.0	1.9	1.0	<1.0	2.7	1.2	1.6	1.1	1.5			
Organic Parameters															
Chlorophyll a	---	---	µg/L	0.10	4.25	4.54	6.36	67.5	0.53	4.06	1.50	7.21			
Phaeophytin a	---	---	µg/L	0.10 - 0.20	2.87	3.76	5.87	8.55	2.49	3.83	1.78	3.13			
Organic / Inorganic Carbon															
DOC	---	---	mg/L	1.0	25.5	30.9	17.8	30.3	17.5	28.6	19.0	21.2			
TOC	---	---	mg/L	1.0	25.7	32.5	19.1	32.0	17.8	31.8	19.4	24.0			

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Stall Creek		Tern Ditch		Threehouse Creek		Unnamed Creek 1	
								STC-03		TED-01		THC-01		UC1-01	
								0.1	0.25	0.25	0.1	0.25	0.1	0.25	0.1
								30-May-11	15-Sep-11	20-May-11	13-Sep-11	21-May-11	13-Sep-11	21-May-11	13-Sep-11
Total Metals															
Aluminum				0.1	---	mg/L	0.0050	0.0749	0.0925	0.0258	0.147	0.0359	0.123	0.122	0.142
Antimony				---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic				0.005	0.15	mg/L	0.00020	0.00098	0.00121	0.00087	0.00138	0.00188	0.00287	0.00181	0.00420
Barium				---	---	mg/L	0.00020	0.0118	0.0156	0.0134	0.0271	0.00627	0.0101	0.0220	0.0317
Beryllium				---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth				---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron				1.5	---	mg/L	0.010	0.016	0.015	<0.010	<0.010	<0.010	0.013	<0.010	<0.010
Cadmium				0.00003	0.00025	mg/L	0.000010	<0.000010	<0.000010	<0.000010	0.000010	<0.000010	0.000011	0.000016	<0.000010
Calcium				---	---	mg/L	0.10	24.8	32.6	15.6	32.4	8.33	11.0	52.4	59.9
Cesium				---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium				---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt				---	---	mg/L	0.00020	<0.00020	0.00036	<0.00020	0.00022	<0.00020	<0.00020	0.00058	0.00140
Copper				0.00216	0.009	mg/L	0.00020	0.00061	<0.00020	0.00053	0.00087	0.00052	0.00078	0.00163	0.00060
Iron				0.3	---	mg/L	0.10	0.50	1.43	0.25	0.55	0.30	0.61	0.75	3.06
Lead				0.00278	0.003	mg/L	0.000090	<0.000090	<0.000090	0.000136	<0.000090	<0.000090	0.000258	0.000151	<0.000090
Lithium				---	---	mg/L	0.0020	0.0040	0.0036	0.0033	0.0036	<0.0020	0.0032	0.0030	0.0031
Magnesium				---	---	mg/L	0.010	12.3	15.5	4.60	9.26	2.46	3.31	11.2	14.7
Manganese				---	---	mg/L	0.00030	0.0559	0.469	0.0285	0.0948	0.0273	0.0386	0.480	1.66
Mercury				0.000026	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum				0.073	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00034	0.00026
Nickel				0.08822	0.048	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Phosphorus				---	---	mg/L	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Potassium				---	---	mg/L	0.020	1.79	1.41	2.96	3.40	0.491	0.309	1.41	1.52
Rubidium				---	---	mg/L	0.00020	0.00088	0.00083	0.00233	0.00284	0.00076	0.00062	0.00086	0.00095
Selenium				0.001	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon				---	---	mg/L	0.050	1.02	6.56	0.338	7.14	0.303	1.65	4.27	7.17
Silver				0.0001	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium				---	---	mg/L	0.030	7.88	9.46	3.46	6.65	0.904	0.987	1.58	1.62
Strontium				---	---	mg/L	0.00010	0.0712	0.0913	0.0295	0.0668	0.0153	0.0184	0.0690	0.0869
Tellurium				---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium				0.0008	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium				---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00010
Tin				---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium				---	---	mg/L	0.00020	0.00379	0.00445	0.00076	0.00642	0.00064	0.00543	0.00434	0.00682
Tungsten				---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Uranium				0.015	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00033	<0.00010
Vanadium				---	---	mg/L	0.00020	0.00068	0.00052	0.00024	0.00057	0.00022	0.00046	0.00097	0.00121
Zinc				0.03	0.108	mg/L	0.0050	<0.0050	<0.0050	<0.0050	0.0094	0.0054	0.0092	0.0281	0.0092
Zirconium				---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00053	0.00074

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 01: Detailed Water Chemistry Results, 2011-2012

Waterbody	Sample ID	Sample Depth	Date Sampled	CWQG ^a	MWQSOG ^b	Unit	DL	Stall Creek		Tern Ditch		Threehouse Creek		Unnamed Creek 1	
								STC-03		TED-01		THC-01		UC1-01	
								0.1	0.25	0.25	0.1	0.25	0.1	0.25	0.1
								30-May-11	15-Sep-11	20-May-11	13-Sep-11	21-May-11	13-Sep-11	21-May-11	13-Sep-11
Dissolved Metals															
Aluminum	---	---	---	---	---	mg/L	0.0020	0.0106	0.0121	0.0094	<0.0020	0.0273	0.0417	0.0128	0.0049
Antimony	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	0.00023	<0.00020	0.00022	<0.00020	0.00021	<0.00020
Arsenic	---	0.15	---	---	---	mg/L	0.00020	0.00104	0.00107	0.00090	0.00131	0.00195	0.00255	0.00122	0.00278
Barium	---	---	---	---	---	mg/L	0.00020	0.0105	0.0102	0.0134	0.0216	0.00534	0.00751	0.0146	0.0214
Beryllium	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron	---	---	---	---	---	mg/L	0.010	0.021	0.013	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium	---	0.00023	---	---	---	mg/L	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Calcium	---	---	---	---	---	mg/L	0.050	22.2	31.0	14.3	30.0	8.06	9.70	47.3	58.6
Cesium	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium	---	---	---	---	---	mg/L	0.0020	0.0022	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0046	<0.0020
Cobalt	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00044
Copper	---	0.008	---	---	---	mg/L	0.00020	0.00044	0.00022	0.00044	0.00051	0.00036	0.00049	0.00109	0.00035
Iron	---	---	---	---	---	mg/L	0.10	0.26	0.75	0.15	0.21	0.16	0.29	<0.10	0.94
Lead	---	0.002	---	---	---	mg/L	0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090
Lithium	---	---	---	---	---	mg/L	0.0020	0.0075	0.0042	0.0029	0.0044	<0.0020	<0.0020	0.0028	0.0048
Magnesium	---	---	---	---	---	mg/L	0.010	12.1	15.8	4.32	8.42	2.50	3.38	10.4	14.6
Manganese	---	---	---	---	---	mg/L	0.00010	0.0139	0.120	0.00599	0.00532	0.00475	0.00822	0.0144	0.265
Mercury	---	---	---	---	---	mg/L	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	0.00017	0.00016	<0.00010	<0.00010	0.00034	0.00021
Nickel	---	0.048	---	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010
Phosphorus	---	---	---	---	---	mg/L	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Potassium	---	---	---	---	---	mg/L	0.020	1.62	1.32	2.68	3.15	0.502	0.291	1.42	1.49
Rubidium	---	---	---	---	---	mg/L	0.00020	0.00069	0.00072	0.00228	0.00255	0.00075	0.00052	0.00071	0.00062
Selenium	---	---	---	---	---	mg/L	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	---	---	---	---	---	mg/L	0.050	0.894	5.62	0.313	6.22	0.288	0.549	4.03	6.40
Silver	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium	---	---	---	---	---	mg/L	0.020	8.22	9.85	3.60	6.13	0.932	1.11	1.40	1.67
Strontium	---	---	---	---	---	mg/L	0.00010	0.0677	0.0938	0.0278	0.0596	0.0143	0.0200	0.0671	0.0845
Tellurium	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium	---	---	---	---	---	mg/L	0.00020	0.00080	0.00070	0.00020	0.00025	0.00031	0.00074	0.00048	0.00058
Tungsten	---	---	---	---	---	mg/L	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Uranium	---	---	---	---	---	mg/L	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00031	<0.00010
Vanadium	---	---	---	---	---	mg/L	0.00020	<0.00020	0.00045	0.00047	0.00082	0.00044	0.00046	0.00026	0.00040
Zinc	---	0.11	---	---	---	mg/L	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0026	0.0067	0.0097	0.0023
Zirconium	---	---	---	---	---	mg/L	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	0.00050

Notes:
^a Canadian Council of Ministers of Environment's Canadian Water Quality Guidelines (CWQG) for the Protection of Freshwater Aquatic Life (CCME, 2011a).
^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) Tier II Water Quality Objectives for chronic exposure (4 days) (Williamson, 2011)
 Guideline values are calculated using the overall hardness (90 mg/L), pH (7.93) and temperature (12.94 °C) values, where applicable.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Exceeds CWQG

Exceeds MWQSOG

Table - 02: In Situ Water Quality Parameters, 2011-2012

Waterbody	Station	Replicate	UTM (NAD83, 14U)		Date	Time	Secchi Depth (m)	Meas. Depth (m)	Water Temp. (°C)	pH	ORP (mV)	Sp.Cond. (mS/cm)	Turbidity (NTU)	DO		TDS (g/L)
			Northing	Easting										mg/L	%	
Anderson Bay (in Wekusko Lake)	ANB-01	A	6076571	439466	23-May-11	10:15	0.40	0.2	12.97	8.08	237	0.479	12.60	8.90	87.3	0.312
					15-Sep-11	14:16	-	0.1	11.71	7.49	176	0.441	2.01	10.25	97.7	0.286
		B	6076552	439458	23-May-11	10:26	0.40	0.2	10.91	8.07	165	0.418	10.60	9.09	85.1	0.272
					15-Sep-11	14:28	-	0.1	11.84	7.76	192	0.425	2.74	10.57	101.1	0.276
		C	6076543	439448	23-May-11	10:33	0.40	0.2	11.21	8.07	180	0.420	14.50	9.36	88.3	0.273
					15-Sep-11	14:40	-	0.1	11.96	7.79	213	0.418	3.47	9.76	93.6	0.271
	ANB-02	A	6076529	439314	23-May-11	11:10	0.80	0.2	10.27	8.28	236	0.187	3.36	9.74	89.4	0.122
					15-Sep-11	15:02	-	0.1	12.85	9.45	176	0.276	2.70	10.67	104.4	0.179
		B	6076530	439302	23-May-11	11:25	0.80	0.2	9.97	8.18	212	0.215	4.99	9.24	84.5	0.140
					15-Sep-11	15:20	-	0.1	14.07	10.26	91	0.249	2.41	14.28	143.5	0.162
		C	6070516	439297	23-May-11	11:33	0.80	0.2	9.75	8.27	217	0.230	5.70	9.90	90.1	0.150
					15-Sep-11	15:30	-	0.1	11.42	10.27	113	0.245	1.98	12.73	128.9	0.159
	ANB-03	A	6076367	439487	23-May-11	11:46	-	0.2	9.64	8.27	218	0.150	4.05	10.17	92.4	0.098
					17-Sep-11	10:16	-	0.1	13.01	8.89	143	0.264	3.24	10.20	98.7	0.172
		B	6076356	439482	23-May-11	12:00	-	0.2	9.49	8.31	214	0.149	4.76	9.82	88.8	0.097
					17-Sep-11	10:28	-	0.1	12.37	8.81	144	0.269	2.64	10.29	99.5	0.175
		C	6076345	439475	23-May-11	12:10	-	0.2	9.48	8.32	220	0.150	4.76	10.22	92.4	0.097
					17-Sep-11	10:39	-	0.1	12.36	8.83	139	0.268	3.00	10.27	99.4	0.174
	ANB-04	A	6076389	439044	23-May-11	13:45	-	0.2	9.83	8.16	165	0.149	5.03	9.84	89.8	0.091
			6076397	439048	16-Sep-11	14:45	-	0.1	13.63	8.46	189	0.148	8.27	10.12	100.7	0.096
		B	6076377	439035	23-May-11	14:05	-	0.2	9.86	8.20	191	0.213	4.68	9.73	88.8	0.139
			6076380	439029	16-Sep-11	15:01	-	0.1	13.45	9.36	156	0.156	6.57	11.05	109.5	0.099
		C	6076368	439028	23-May-11	14:10	-	0.2	9.78	8.21	212	0.204	4.76	9.29	84.6	0.132
			6076373	439024	16-Sep-11	15:06	-	0.1	13.48	9.29	157	0.152	6.38	11.22	111.3	0.099
	ANB-05	A	6076138	439326	23-May-11	12:25	1.25	0.2	9.73	8.35	186	0.152	3.01	9.84	89.5	0.099
					15-Sep-11	16:20	-	0.1	13.38	8.99	160	0.171	5.82	11.13	110.2	0.111
		B	6076126	439323	23-May-11	12:40	1.25	0.2	9.96	8.40	200	0.153	3.64	9.12	83.4	0.099
					15-Sep-11	16:28	-	0.1	13.29	8.95	177	0.171	7.59	10.00	98.8	0.111
		C	6076116	439325	23-May-11	12:48	1.25	0.2	10.21	8.41	213	0.151	3.61	10.01	92.2	0.098
					15-Sep-11	16:46	-	0.1	13.30	8.98	177	0.169	6.18	9.99	98.6	0.110
	ANB-06	A	6075982	438856	23-May-11	14:20	-	0.2	10.76	8.21	219	0.152	5.50	9.64	89.9	0.099
			6075999	438854	16-Sep-11	14:18	1.25	0.1	13.64	8.11	202	0.143	9.03	11.17	111.1	0.093
									1.5	13.63	8.53	72	0.136	77.7	10.15	101.0
		B	6075966	438855	23-May-11	14:36	-	0.2	10.68	8.18	238	0.151	4.19	9.25	86.1	0.098
			6075980	438862	16-Sep-11	14:26	1.25	0.1	13.66	8.35	165	0.097	43.4	10.20	101.5	0.058
								1.5	13.63	8.25	184	0.148	9.64	10.20	101.5	0.096
C	6075952	438854	23-May-11	14:45	-	0.2	10.71	8.21	234	0.153	3.73	9.52	88.7	0.099		
	6075950	438849	17-Sep-11	10:57	1.25	0.1	13.18	8.02	182	0.142	9.18	9.99	98.4	0.09		

Notes:

Secchi depth was greater than maximum station depth for all stations, unless otherwise noted.

^a Multi-parameter probe may have contacted sediment.

^b Multi-parameter probe may have contacted or was submerged in sediment below 8.0 m.

m = metre; °C = degrees Celsius; mV = milliVolts; mS/cm = milliSiemens per centimetre; NTU = Nephelometric Turbidity Units; DO = dissolved oxygen; mg/L = milligrams per Litre; % = percent saturation; TDS = Total Dissolved Solids; g/L = grams per Litre; - = not applicable/measured.

Table - 02: In Situ Water Quality Parameters, 2011-2012

Waterbody	Station	Replicate	UTM (NAD83, 14U)		Date	Time	Secchi Depth (m)	Meas. Depth (m)	Water Temp. (°C)	pH	ORP (mV)	Sp.Cond. (mS/cm)	Turbidity (NTU)	DO		TDS (g/L)			
			Northing	Easting										mg/L	%				
Anderson Bay (in Wekusko Lake)	ANB-07	A	6075790	439171	24-May-11	10:10	1.00	0.2	10.79	7.22	138	0.154	5.03	10.96	102.3	0.100			
					16-Sep-11	12:29	-	0.1	14.13	8.11	214	0.144	6.98	9.44	94.9	0.094			
								2	13.77	8.76	94	0.153	22.6	9.24	92.2	0.099			
					24-May-11	9:50	1.00	0.2	10.71	7.17	184	0.151	4.87	10.58	98.50	0.098			
					16-Sep-11	12:45	-	0.1	14.14	8.69	172	0.147	6.22	9.60	95.5	0.096			
								2	13.84	8.07	205	0.152	7.27	9.43	94.1	0.099			
		B	6075774	439176	24-May-11	10:15	1.00	0.2	10.72	7.07	208	0.151	5.06	11.03	102.7	0.098			
					16-Sep-11	13:01	-	0.1	14.13	8.73	92	0.148	17.3	9.38	94.3	0.096			
								2 ^a	12.87	8.02	48	0.181	0.00	-	85.4	0.118			
					24-May-11	11:40	1.60	0.5	10.41	7.16	239	0.152	3.81	9.99	92.4	0.099			
								1.0	10.41	7.17	239	0.152	4.02	10.47	96.8	0.099			
								1.5	10.39	7.15	239	0.152	4.01	10.68	98.7	0.099			
	ANB-08	A	6075315	439061	24-May-11	11:40	1.60	2.0	10.36	7.15	240	0.152	4.04	10.82	99.9	0.099			
								2.5	10.27	7.10	243	0.152	3.31	11.21	103.3	0.099			
								3.0	10.15	7.12	243	0.152	3.13	11.39	104.7	0.099			
								3.5	9.60	7.14	244	0.151	3.35	11.42	103.5	0.098			
					16-Sep-11	11:39	3.25	0.1	14.39	8.16	207	0.144	6.15	10.09	102.1	0.094			
								4	13.69	7.90	230	0.152	13.50	8.25	82.2	0.099			
					B	6075297	439071	24-May-11	12:05	1.60	2.0	10.46	6.93	251	0.153	3.76	9.87	91.4	0.099
								16-Sep-11	11:51	3.25	0.1	14.54	7.92	228	0.143	6.38	9.49	96.3	0.093
											3	14.27	7.74	238	0.144	6.27	8.86	89.4	0.093
								24-May-11	12:10	1.60	2.0	10.39	7.04	232	0.154	3.88	12.85	118.7	0.100
								16-Sep-11	12:04	3.25	0.1	14.57	8.08	222	0.142	5.15	9.40	92.5	0.092
											4	13.95	7.74	218	0.144	22.10	8.19	82.0	0.094
	ANB-09	A	6075246	438775	24-May-11	10:45	1.60	0.5	10.18	7.07	218	0.154	3.98	9.24	84.9	0.100			
								1.0	10.08	7.02	222	0.152	3.54	9.52	87.4	0.099			
								1.5	10.08	7.00	225	0.152	3.34	9.57	87.8	0.099			
								2.0	10.02	7.00	227	0.152	3.63	9.60	87.9	0.099			
								2.5	9.98	7.00	229	0.151	3.83	9.58	87.7	0.098			
								3.0	9.85	7.08	227	0.152	3.53	9.52	86.9	0.099			
								3.5	8.74	7.03	232	0.151	3.85	9.64	85.6	0.098			
					16-Sep-11	10:51	3.5	0.1	13.71	7.84	236	0.141	6.78	9.31	92.7	0.092			
								4	13.40	7.82	238	0.143	8.21	9.05	89.6	0.093			
					B	6075234	438773	24-May-11	11:20	1.60	2.0	9.95	7.10	239	0.153	3.65	9.38	85.8	0.099
								16-Sep-11	11:06	3.5	0.1	13.70	8.55	146	0.142	7.29	10.34	103.1	0.092
											3	13.58	8.33	138	0.142	7.08	11.59	115.2	0.092
	24-May-11	11:25	1.60	2.0				10.06	7.27	231	0.153	4.30	9.79	89.8	0.099				
	16-Sep-11	11:17	3.5	0.1				13.77	7.95	213	0.143	6.98	9.98	99.6	0.093				
				3				13.72	7.85	222	0.143	6.20	11.89	118.5	0.093				
	C	6075210	438776	24-May-11	11:25	1.60	2.0	10.06	7.27	231	0.153	4.30	9.79	89.8	0.099				
				16-Sep-11	11:17	3.5	0.1	13.77	7.95	213	0.143	6.98	9.98	99.6	0.093				
							3	13.72	7.85	222	0.143	6.20	11.89	118.5	0.093				

Notes:

Secchi depth was greater than maximum station depth for all stations, unless otherwise noted.

^a Multi-parameter probe may have contacted sediment.

^b Multi-parameter probe may have contacted or was submerged in sediment below 8.0 m.

m = metre; °C = degrees Celsius; mV = milliVolts; mS/cm = milliSiemens per centimetre; NTU = Nephelometric Turbidity Units; DO = dissolved oxygen; mg/L = milligrams per Litre; % = percent saturation; TDS = Total Dissolved Solids; g/L = grams per Litre; - = not applicable/measured.

Table - 02: In Situ Water Quality Parameters, 2011-2012

Waterbody	Station	Replicate	UTM (NAD83, 14U)		Date	Time	Secchi Depth (m)	Meas. Depth (m)	Water Temp. (°C)	pH	ORP (mV)	Sp.Cond. (mS/cm)	Turbidity (NTU)	DO		TDS (g/L)			
			Northing	Easting										mg/L	%				
Anderson Bay (in Wekusko Lake)	ANB-10	A	6075456	439763	24-May-11	12:35	2.00	0.5	9.11	7.01	252	0.151	1.88	10.93	98.0	0.098			
								1.0	8.90	7.07	249	0.151	1.53	10.05	89.6	0.098			
								1.5	8.70	7.00	254	0.151	1.69	9.93	88.2	0.098			
								2.0	8.59	6.89	261	0.151	2.24	10.21	90.3	0.098			
								2.5	8.55	6.86	263	0.151	2.30	10.43	92.2	0.098			
								3.0	8.49	6.84	265	0.152	3.08	10.21	90.1	0.099			
								3.5	8.44	6.85	264	0.152	2.98	10.16	89.6	0.099			
		4.0	8.35	6.86	265	0.153	3.38	9.63	84.7	0.099									
		-	6075453	439751	16-Sep-11	10:00	-	0.1	14.56	7.81	215	0.142	4.87	11.00	111.7	0.092			
								4	14.55	7.56	244	0.142	4.91	9.30	94.3	0.092			
		B	6075440	439748	24-May-11	13:00	2.00	0.2	8.65	7.07	210	0.152	1.99	10.42	92.3	0.099			
								-	16-Sep-11	10:17	0.1	14.54	8.54	103	0.147	7.16	9.29	94.3	0.095
											4.2	14.50	7.69	231	0.142	0.00	8.50	86.2	0.093
		C	6075443	439730	24-May-11	13:10	2.00	0.2	8.62	7.02	239	0.153	5.24	10.17	90.1	0.099			
								-	16-Sep-11	10:26	0.1	14.54	8.48	179	0.144	5.00	9.19	93.2	0.094
3.5	14.47										7.70	212	0.142	7.76	8.45	85.6	0.092		
Arm Lake	ARL-01	A	6079146	430215	29-May-11	15:41	-	0.25	13.73	6.79	217	0.045	1.32	8.44	84.1	0.029			
			6079145	430217	15-Sep-11	9:58	-	0.1	10.47	6.05	240	0.038	0.74	9.75	90.3	0.024			
		B	6079135	430215	29-May-11	16:00	-	0.25	13.77	7.11	205	0.045	0.62	8.41	83.9	0.029			
					15-Sep-11	10:08	-	0.1	10.45	6.44	244	0.037	1.06	11.07	102.4	0.024			
		C	6079122	430213	29-May-11	16:04	-	0.25	13.73	7.11	206	0.044	0.57	10.70	106.6	0.029			
					15-Sep-11	10:14	-	0.1	10.42	6.55	271	0.037	1.12	9.01	83.3	0.024			
Gaspard Lake	GSL-01	A	6078657	432887	28-May-11	10:20	-	0.25	14.61	7.17	220	0.078	0.77	8.73	88.7	0.050			
					14-Sep-11	9:36	0.75	0.25	11.94	7.45	195	0.069	5.1	26.85	257.2	-			
		B	6078648	432881	28-May-11	10:40	-	0.25	14.57	6.78	221	0.076	-	-	-	-			
					14-Sep-11	10:05	0.75	0.25	11.11	7.35	193	0.055	3.9	10.83	101.2	-			
		C	6078638	432875	28-May-11	10:51	-	0.25	14.51	6.78	216	0.076	0.69	9.44	95.7	0.040			
					14-Sep-11	10:10	0.75	0.25	10.94	7.44	196	0.052	4.5	9.28	86.9	-			
Ghost Lake	GHL-01	A	6078298	429469	20-May-11	11:37	-	0.25	17.78	7.66	160	0.087	1.90	11.57	125.4	0.057			
								1.0	17.86	7.78	96	0.087	3.84	9.94	108.0	0.057			
		B	6078228	429450	20-May-11	11:53	-	-	0.1	12.24	6.44	292	0.082	2.72	8.60	83.0	0.053		
									0.25	17.86	8.16	104	0.087	1.38	10.00	108.6	0.056		
		C	6078222	429449	14-Sep-11	10:25	-	-	0.1	12.50	7.08	241	0.078	3.25	8.00	77.6	0.051		
									0.25	17.81	8.34	108	0.087	1.88	10.49	113.8	0.057		
6078162	429450	14-Sep-11	10:33	-	-	0.1	12.52	7.22	295	0.078	4.00	8.35	81.0	0.050					

Notes:

Secchi depth was greater than maximum station depth for all stations, unless otherwise noted.

^a Multi-parameter probe may have contacted sediment.

^b Multi-parameter probe may have contacted or was submerged in sediment below 8.0 m.

m = metre; °C = degrees Celsius; mV = milliVolts; mS/cm = milliSiemens per centimetre; NTU = Nephelometric Turbidity Units; DO = dissolved oxygen; mg/L = milligrams per Litre; % = percent saturation; TDS = Total Dissolved Solids; g/L = grams per Litre; - = not applicable/measured.

Table - 02: In Situ Water Quality Parameters, 2011-2012

Waterbody	Station	Replicate	UTM (NAD83, 14U)		Date	Time	Secchi Depth (m)	Meas. Depth (m)	Water Temp. (°C)	pH	ORP (mV)	Sp.Cond. (mS/cm)	Turbidity (NTU)	DO		TDS (g/L)	
			Northing	Easting										mg/L	%		
Ghost Lake	GHL-02	A	6077733	429440	20-May-11	12:09	1.40	0.25	17.45	8.26	133	0.086	1.45	10.09	108.7	0.056	
			6077739	429439	14-Sep-11	11:05	-	0.1	12.39	7.31	243	0.077	2.90	7.72	74.7	0.050	
		B	6077755	429415	20-May-11	12:20	1.40	0.25	17.41	8.23	140	0.086	1.69	9.73	104.8	0.056	
			6077755	429410	14-Sep-11	11:14	-	0.1	12.33	7.35	241	0.079	3.22	8.31	80.3	0.051	
		C	6077723	429405	20-May-11	12:37	1.40	0.25	17.47	8.38	137	0.084	1.43	9.88	106.5	0.055	
			6077720	429408	14-Sep-11	11:23	-	0.1	12.39	7.37	208	0.077	3.42	9.21	89.0	0.050	
	GHL-03	A	6077239	428943	20-May-11	12:35	1.30	0.25	17.44	8.41	140	0.086	1.52	9.89	106.5	0.056	
			6077237	428944	14-Sep-11	12:51	-	0.1	12.48	7.32	184	0.079	5.88	9.01	87.4	0.052	
			1.25	12.48	7.19	207	0.077	24.7	11.28	109.4	0.050						
		B	6077255	428916	20-May-11	12:43	1.30	0.25	17.35	8.39	150	0.086	1.22	9.43	101.4	0.056	
			6077257	428919	14-Sep-11	12:58	-	0.1	12.43	7.35	178	0.078	6.89	10.07	97.4	0.050	
		C	1 ^a	12.39	7.40	128	0.077	41.3	8.71	84.3	0.050						
			6077268	428886	20-May-11	12:48	1.30	0.25	17.54	8.37	147	0.086	1.49	9.29	100.3	0.056	
			6077268	428890	14-Sep-11	13:03	-	0.1	12.21	7.78	77	0.108	3.40	9.73	93.8	0.071	
Nutt Lake		NTL-01	A	6077714	433769	28-May-11	14:32	-	0.25	15.09	6.60	169	0.034	1.67	8.16	83.7	0.022
				14-Sep-11	12:10	-	0.25	10.77	7.57	220	0.003	6.4	10.74	100.1	-		
			B	6077697	433766	28-May-11	14:47	-	0.25	15.21	7.06	162	0.034	1.39	8.55	88.0	0.022
				14-Sep-11	12:30	-	0.25	10.80	7.43	231	0.003	7.4	7.86	73.3	-		
	C		6077670	433758	28-May-11	14:55	-	0.25	15.18	6.91	173	0.034	1.15	8.59	88.6	0.022	
			14-Sep-11	12:35	-	0.25	10.82	7.29	237	0.002	6.4	9.99	93.2	-			
	SNL-01	-	6080029	433949	25-May-11	13:00	1.5	0.5	10.72	6.69	265	0.111	2.44	10.53	98.0	0.072	
								1.0	10.72	6.83	262	0.111	2.44	10.53	97.6	0.072	
								1.5	10.72	7.07	256	0.112	2.47	10.67	99.5	0.073	
								2.0	10.72	7.09	255	0.112	2.36	10.63	99.0	0.073	
								2.5	10.70	7.01	256	0.112	2.39	10.05	98.2	0.073	
								3.0	10.69	7.08	257	0.112	2.37	10.50	97.8	0.073	
								3.5	10.70	7.07	258	0.112	2.41	10.30	95.8	0.073	
								4.0	10.70	7.05	260	0.112	2.38	10.38	96.6	0.073	
4.5	10.70	7.03	262	0.112	2.57	10.45	97.2	0.073									
5.0	10.70	7.02	262	0.112	2.54	10.25	95.4	0.073									
5.5	10.68	7.04	262	0.113	2.21	10.17	94.6	0.073									
6.0	10.77	7.06	261	0.113	2.34	10.38	96.7	0.073									
6.5	10.69	7.06	262	0.113	2.29	10.35	96.4	0.073									
7.0	10.68	7.06	262	0.113	2.42	10.47	97.4	0.073									
7.5	9.74	6.92	267	0.113	1.82	9.80	89.2	0.073									
8.0	9.25	6.85	269	0.113	1.68	9.19	82.7	0.073									

Notes:

Secchi depth was greater than maximum station depth for all stations, unless otherwise noted.

^a Multi-parameter probe may have contacted sediment.

^b Multi-parameter probe may have contacted or was submerged in sediment below 8.0 m.

m = metre; °C = degrees Celsius; mV = milliVolts; mS/cm = milliSiemens per centimetre; NTU = Nephelometric Turbidity Units; DO = dissolved oxygen; mg/L = milligrams per Litre; % = percent saturation; TDS = Total Dissolved Solids; g/L = grams per Litre; - = not applicable/measured.

Table - 02: In Situ Water Quality Parameters, 2011-2012

Waterbody	Station	Replicate	UTM (NAD83, 14U)		Date	Time	Secchi Depth (m)	Meas. Depth (m)	Water Temp. (°C)	pH	ORP (mV)	Sp.Cond. (mS/cm)	Turbidity (NTU)	DO		TDS (g/L)		
			Northing	Easting										mg/L	%			
Snow Lake	SNL-01	-	6080029	433949	25-May-11	13:00	1.5	8.5	8.93	6.74	273	0.113	1.80	8.88	79.3	0.073		
								9.0	8.13	6.62	279	0.114	1.47	8.27	72.4	0.074		
								9.5	7.37	6.51	283	0.115	1.54	7.33	63.0	0.075		
								10.0	7.20	6.46	284	0.116	1.60	6.93	59.3	0.075		
								10.5	7.02	6.44	284	0.116	1.59	6.61	56.3	0.075		
								11.0	7.02	6.43	284	0.116	1.43	6.77	57.6	0.075		
								11.5	6.80	6.39	286	0.116	1.53	6.60	56.1	0.075		
								12.0	6.59	6.36	287	0.116	1.51	6.22	52.4	0.076		
								12.5	6.39	6.31	289	0.117	1.57	5.99	50.2	0.076		
								13.0	6.37	6.30	290	0.117	1.51	6.01	50.3	0.076		
								13.5	6.34	6.28	290	0.117	1.51	5.90	49.3	0.076		
								14.0	6.26	6.32	288	0.117	1.63	5.78	48.3	0.076		
								14.5	6.04	6.33	287	0.118	1.47	5.59	46.4	0.077		
								15.0	5.83	6.26	291	0.119	1.85	5.07	41.9	0.077		
								15.5	5.70	6.22	291	0.119	2.07	4.81	39.6	0.078		
								16.0	5.60	6.16	118	0.120	236	3.62	37.9	0.078		
								14-Sep-11	16:17	1.7	0.5	16.20	8.30	23.00	0.10	5.43	8.55	89.8
				17	11.52	6.96	65.00	0.10	1.72	1.20	11.3	0.07						
		SNL-02	-	6082674	429040	25-May-11	11:26	1.5	0.5	12.15	7.22	119	0.096	3.02	10.54	101.4	0.063	
	1.0								12.11	7.03	156	0.096	2.92	10.03	96.4	0.063		
	1.5								12.10	6.92	174	0.096	3.12	10.07	96.8	0.062		
	2.0								12.05	6.88	191	0.096	3.38	10.64	102.2	0.062		
	2.5								12.04	6.73	201	0.096	3.22	10.66	102.3	0.062		
	3.0								12.02	6.68	211	0.096	2.85	10.24	98.3	0.062		
	3.5								12.00	6.68	255	0.096	2.92	10.06	96.5	0.062		
	4.0								11.99	6.68	220	0.096	3.18	9.57	91.7	0.062		
	4.5								11.99	6.68	224	0.096	2.87	9.39	90.0	0.062		
	5.0								11.92	6.70	228	0.097	2.76	9.63	92.2	0.063		
	11:50								1.5	5.5	10.36	6.56	235	0.096	2.70	8.91	82.3	0.063
	6.0									9.47	6.44	241	0.096	2.06	8.23	74.3	0.062	
	6.5									8.60	6.36	244	0.096	1.94	6.76	59.9	0.062	
	7.0									7.58	6.33	245	0.097	2.16	6.11	52.7	0.630	
	7.5									7.22	6.31	246	0.097	2.37	6.03	51.6	0.063	
8.0	6.85									6.27	247	0.097	2.28	5.34	45.3	0.063		
8.5	6.16	6.16	254	0.100	3.18	3.38	28.2	0.065										
9.0	5.78	6.08	246	0.103	4.82	1.60	13.2	0.067										
9.5	5.93	6.07	195	0.103	20.6	1.16	9.6	0.067										
10.0	5.67	6.05	76	0.105	317	1.47	12.1	0.068										

Notes:

Secchi depth was greater than maximum station depth for all stations, unless otherwise noted.

^a Multi-parameter probe may have contacted sediment.

^b Multi-parameter probe may have contacted or was submerged in sediment below 8.0 m.

m = metre; °C = degrees Celsius; mV = milliVolts; mS/cm = milliSiemens per centimetre; NTU = Nephelometric Turbidity Units; DO = dissolved oxygen; mg/L = milligrams per Litre; % = percent saturation; TDS = Total Dissolved Solids; g/L = grams per Litre; - = not applicable/measured.

Table - 02: In Situ Water Quality Parameters, 2011-2012

Waterbody	Station	Replicate	UTM (NAD83, 14U)		Date	Time	Secchi Depth (m)	Meas. Depth (m)	Water Temp. (°C)	pH	ORP (mV)	Sp.Cond. (mS/cm)	Turbidity (NTU)	DO		TDS (g/L)								
			Northing	Easting										mg/L	%									
Snow Lake	SNL-02	-	6082698	429032	14-Sep-11 ^b	15:14	1.8	0.1	15.80	7.11	155.00	0.082	2.55	9.34	97.3	0.05								
								2	15.82	7.77	88.00	0.083	3.21	7.77	81.0	0.05								
								3	15.71	6.88	135.00	0.082	2.91	7.57	78.7	0.05								
								4	15.65	6.90	127.00	0.082	2.76	7.53	78.2	0.05								
								5	15.61	6.95	118.00	0.082	2.92	7.20	74.7	0.05								
								6	15.64	7.00	92.00	0.082	2.60	7.32	76.0	0.05								
								7	15.48	7.03	69.00	0.082	16.3	7.19	74.4	0.05								
								7.5	15.50	7.36	26.00	0.083	8.10	7.14	73.9	0.05								
								8	15.03	7.06	-12.00	0.087	-	5.09	52.2	0.06								
								12	10.33	7.21	-225.00	0.113	112	0.00	0.0	0.07								
								13	10.88	6.70	-191.00	0.113	25.7	0.00	0.0	0.07								
								14	11.12	6.74	-178.00	0.110	28.5	0.07	6.2	0.07								
								15	11.21	6.82	-171.00	0.108	36.9	0.66	6.2	0.07								
								Threehouse Lake	THL-01	A	6078233	430730	27-May-11	16:00	-	0.25	17.50	7.57	201	0.063	1.45	9.45	101.8	0.041
													15-Sep-11	9:30	-	0.25	10.73	8.02	73	0.061	7.7	13.89	129.4	-
B	6078241	430717	27-May-11	16:03	-	0.25	17.51			7.76	202	0.063	1.51	9.58	103.3	0.041								
			15-Sep-11	9:40	-	0.25	10.49			7.94	129	0.036	8.5	12.70	117.7	-								
C	6078253	430707	27-May-11	16:08	-	0.25	17.53			7.99	204	0.063	1.50	9.75	105.2	0.041								
			15-Sep-11	9:45	-	0.25	10.46			7.90	149	0.036	8.3	9.29	86.0	-								
THL-02	A	6077816	431219	27-May-11	15:18	1.25	0.25		16.66	7.40	229	0.062	2.55	9.59	101.7	0.040								
				15-Sep-11	10:30	1.1	0.25		10.69	8.01	149	0.036	8.7	12.17	113.3	-								
	B	6077823	431205	27-May-11	15:32	1.25	0.25		16.68	7.36	232	0.062	1.47	9.48	100.5	0.040								
				15-Sep-11	10:35	1.1	0.25		10.68	7.92	170	0.037	8.8	10.49	97.0	-								
	C	6077830	431199	27-May-11	15:36	1.25	0.25		16.78	7.48	219	0.062	1.41	9.28	98.6	0.041								
				15-Sep-11	10:40	1.1	0.25		10.70	7.66	195	0.037	8.7	9.00	83.8	-								
THL-03	A	6076738	431643	27-May-11	14:45	-	0.25		17.24	7.72	187	0.063	1.07	9.60	102.9	0.041								
				15-Sep-11	11:40	-	0.25		10.11	7.94	242	0.034	9.0	10.09	92.6	-								
	B	6076746	431635	27-May-11	14:59	-	0.25		17.24	7.64	196	0.063	2.27	9.57	102.7	0.041								
				15-Sep-11	11:45	-	0.25		10.07	7.92	237	0.040	8.3	9.05	82.9	-								
	C	6076757	431627	27-May-11	15:03	-	0.25		17.24	7.59	207	0.063	0.96	9.55	102.4	0.041								
				15-Sep-11	11:50	-	0.25		10.09	7.94	234	0.034	8.6	9.29	85.2	-								
Unnamed Lake 1	UL1-01	A	6077898	434543	29-May-11	10:35	-		0.25	12.41	6.52	181	0.038	2.44	9.48	91.8	0.025							
					14-Sep-11	14:25	-		0.25	11.57	7.33	225	0.017	8.4	11.62	110.3	-							
					29-May-11	10:50	-		0.25	12.38	6.83	188	0.038	1.85	8.29	80.2	0.025							
		B	6077911	434537	14-Sep-11	14:30	-	0.25	11.67	7.35	212	0.016	6.8	8.27	78.7	-								
					29-May-11	10:50	-	0.25	12.36	6.89	180	0.038	2.29	8.27	80.0	0.025								
		C	6077921	434552	14-Sep-11	14:35	-	0.25	11.75	7.35	219	0.017	7.8	8.20	78.2	-								

Notes:

Secchi depth was greater than maximum station depth for all stations, unless otherwise noted.

^a Multi-parameter probe may have contacted sediment.

^b Multi-parameter probe may have contacted or was submerged in sediment below 8.0 m.

m = metre; °C = degrees Celsius; mV = milliVolts; mS/cm = milliSiemens per centimetre; NTU = Nephelometric Turbidity Units; DO = dissolved oxygen; mg/L = milligrams per Litre; % = percent saturation; TDS = Total Dissolved Solids; g/L = grams per Litre; - = not applicable/measured.

Table - 02: In Situ Water Quality Parameters, 2011-2012

Waterbody	Station	Replicate	UTM (NAD83, 14U)		Date	Time	Secchi Depth (m)	Meas. Depth (m)	Water Temp. (°C)	pH	ORP (mV)	Sp.Cond. (mS/cm)	Turbidity (NTU)	DO		TDS (g/L)
			Northing	Easting										mg/L	%	
Anderson Creek	ANC-01	A	6077038	439557	30-May-11	10:07	-	0.25	13.07	7.84	96	0.511	4.29	9.49	93.3	0.327
					15-Sep-11	13:55	-	0.25	11.32	7.73	224	0.521	7.2	12.92	122.1	-
		B	6077021	439553	30-May-11	10:27	-	0.25	13.33	7.92	128	0.517	6.34	9.60	94.9	0.331
					15-Sep-11	13:30	-	0.25	11.32	7.73	224	0.521	7.2	12.92	122.1	-
		C	6077049	439557	30-May-11	10:36	-	0.25	13.41	7.92	124	0.518	5.16	9.45	93.7	0.332
					15-Sep-11	14:05	-	0.25	11.45	7.87	204	0.522	6.7	11.02	104.5	-
	ANC-02	A	6077339	439460	22-May-11	12:45	-	0.20	16.98	8.87	89	0.506	4.21	12.38	132.3	0.050
			6077321	439451	17-Sep-11	10:20	-	0.25	12.02	7.23	103	0.518	11.1	7.83	75.2	-
		B	6077367	439457	22-May-11	12:57	-	0.20	17.25	8.94	113	0.499	3.86	10.25	110.0	0.324
			6077310	439461	17-Sep-11	10:30	-	0.25	11.87	7.29	92	0.521	15.2	9.38	89.8	-
		C	6077333	439459	22-May-11	13:00	-	0.20	17.50	8.92	151	0.494	4.71	8.95	96.7	0.321
			6077312	439437	17-Sep-11	10:00	-	0.25	12.61	7.44	56	0.550	8.90	9.77	95.2	-
	ANC-04	A	6077588	439157	18-Jun-12	10:05	-	0.2	15.56	7.88	106	0.365	0.00	5.76	59.8	0.237
		B	6077601	439153	18-Jun-12	10:20	-	0.2	15.66	7.93	122	0.366	2.57	5.79	60.2	0.238
		C	6077570	439178	18-Jun-12	9:20	-	0.2	15.90	7.81	65	0.364	1.61	7.75	80.5	0.238
	Ghost Creek	GHC-01	A	6078713	429713	21-May-11	14:55	-	0.6	20.59	7.51	221	0.089	2.18	10.79	123
6078711				429709	13-Sep-11	15:57	-	0.1	10.69	6.14	190	0.064	16.8	4.98	46.3	0.042
B			6078726	429713	21-May-11	15:26	-	0.2	19.77	7.16	98	0.092	6.90	5.76	64.9	0.060
			6078726	429716	13-Sep-11	15:57	-	0.1	11.29	6.22	183	0.065	19.9	4.40	42.9	0.043
C			6078737	429710	21-May-11	15:35	-	0.2	18.73	7.13	133	0.090	2.41	7.17	79.2	0.059
			6078744	429712	13-Sep-11	15:57	-	0.1	10.87	6.41	154	0.033	26.3	8.28	77.4	0.024
Stall Creek	STC-01	A	6078979	441240	25-May-11	16:23	-	0.25	6.19	6.93	226	0.452	0.07	9.96	83.1	0.294
					16-Sep-11	10:30	-	0.25	8.57	7.76	121	0.423	0.0	7.28	64.4	-
		B	6078971	441239	25-May-11	16:37	-	0.25	6.10	7.09	124	0.447	8.41	9.54	79.4	0.291
					16-Sep-11	10:10	-	0.25	8.20	7.66	114	0.423	0.0	8.22	72.1	-
		C	6078964	441255	25-May-11	16:43	-	0.25	6.04	7.15	155	0.441	0.48	9.69	80.5	0.287
					16-Sep-11	9:45	-	0.25	9.42	7.69	29	0.420	0.0	11.47	103.5	-
	STC-02	A	6078287	441438	30-May-11	15:28	-	0.25	17.48	7.00	126	0.304	2.95	6.63	71.5	0.198
			6078324	441416	15-Sep-11	16:12	-	0.25	15.00	7.81	149	0.340	1.2	10.60	108.7	-
		B	6078296	441430	30-May-11	15:51	-	0.25	16.83	7.24	119	0.305	1.98	8.44	89.9	0.198
			6078341	441433	15-Sep-11	16:30	-	0.25	12.55	7.59	90	0.341	16.5	8.74	84.9	-
		C	6078305	441424	30-May-11	16:14	-	0.25	17.25	7.38	133	0.306	2.34	7.77	83.4	0.199
			6078347	441441	15-Sep-11	16:50	-	0.25	12.24	7.43	18	0.336	31.3	9.50	91.7	-
	STC-03	A	6077046	439887	30-May-11	13:42	-	0.25	14.97	7.38	93	0.217	1.63	8.02	82.1	0.141
			6077048	439896	15-Sep-11	15:10	-	0.25	10.28	7.41	185	0.262	2.8	5.81	53.5	-
		B	6077033	439876	30-May-11	13:30	-	0.25	14.26	7.26	128	0.214	2.94	8.04	81.1	0.139
			6077070	439959	15-Sep-11	14:50	-	0.25	13.33	7.67	206	0.271	3.0	12.86	127.1	-
		C	6077018	439870	30-May-11	13:19	-	0.25	15.38	7.26	113	0.216	6.56	9.17	95.6	-
			6077048	439902	15-Sep-11	15:00	-	0.25	15.12	8.20	206	0.264	34.8	11.31	116.2	-

Notes:

Secchi depth was greater than maximum station depth for all stations, unless otherwise noted.

^a Multi-parameter probe may have contacted sediment.

^b Multi-parameter probe may have contacted or was submerged in sediment below 8.0 m.

m = metre; °C = degrees Celsius; mV = milliVolts; mS/cm = milliSiemens per centimetre; NTU = Nephelometric Turbidity Units; DO = dissolved oxygen; mg/L = milligrams per Litre; % = percent saturation; TDS = Total Dissolved Solids; g/L = grams per Litre; - = not applicable/measured.

Table - 02: In Situ Water Quality Parameters, 2011-2012

Waterbody	Station	Replicate	UTM (NAD83, 14U)		Date	Time	Secchi Depth (m)	Meas. Depth (m)	Water Temp. (°C)	pH	ORP (mV)	Sp.Cond. (mS/cm)	Turbidity (NTU)	DO		TDS (g/L)
			Northing	Easting										mg/L	%	
Tern Ditch	TED-01	A	6080684	427797	20-May-11	14:30	-	0.0	19.99	7.51	153	0.120	3.91	10.53	119.0	0.078
			6080687	427796	13-Sep-11	10:32	-	0.1	11.83	7.04	171	0.250	3.27	6.41	61.3	0.162
		B	6080681	427796	20-May-11	17:05	-	0.0	20.72	7.90	116	0.115	5.82	8.55	98.0	0.075
			6080681	427794	13-Sep-11	9:42	-	0.1 ^a	11.10	6.98	138	0.236	141	6.07	56.8	0.154
		C	6080678	427794	20-May-11	17:10	-	0.0	20.73	7.90	115	0.116	4.07	8.35	95.7	0.075
			6080679	427792	13-Sep-11	9:29	-	0.1 ^a	9.76	6.91	128	0.209	180	7.07	63.8	0.136
Threehouse Creek	THC-01	A	6078872	430421	21-May-11	13:45	0.65	0.3	15.99	7.03	267	0.048	2.34	2.88	30.2	0.031
			6078869	430425	13-Sep-11	14:29	-	0.1	10.53	6.96	118	0.038	7.11	16.59	153.8	0.025
		B	6078877	430406	21-May-11	13:35	0.65	0.4	16.97	7.19	281	0.045	1.16	3.13	33.4	0.029
			6078871	430404	13-Sep-11	14:35	-	0.1	11.08	6.60	156	0.035	11.6	7.63	71.8	0.023
		C	6078887	430388	21-May-11	13:10	0.65	0.8	16.58	7.27	261	0.046	0.94	13.07	138.2	0.030
			6078882	430400	13-Sep-11	15:05	-	0.1	11.94	6.45	169	0.019	2.69	7.50	72.0	0.011
Unnamed Creek 1	UC1-01	A	6078911	435106	21-May-11	11:10	-	0.2	8.85	7.75	135	0.272	0.78	8.62	76.9	0.177
			6078910	435107	13-Sep-11	12:49	-	0.1	9.85	7.13	-3	0.186	6.93	1.25	11.4	0.121
		B	6078914	435094	21-May-11	11:24	-	0.2	9.15	7.79	86	0.279	2.60	2.70	24.2	0.181
			6078909	435092	13-Sep-11	12:34	-	0.1 ^a	8.89	7.28	-56	0.308	558	6.37	56.9	0.200
		C	6078914	435074	21-May-11	11:35	-	0.1	8.11	7.76	15	0.257	2.25	2.04	17.8	0.167
			6078912	435071	13-Sep-11	12:19	-	0.1	8.56	6.91	-37	0.321	9.55	13.92	123.3	0.209

Notes:

Secchi depth was greater than maximum station depth for all stations, unless otherwise noted.

^a Multi-parameter probe may have contacted sediment.

^b Multi-parameter probe may have contacted or was submerged in sediment below 8.0 m.

m = metre; °C = degrees Celsius; mV = milliVolts; mS/cm = milliSiemens per centimetre; NTU = Nephelometric Turbidity Units; DO = dissolved oxygen; mg/L = milligrams per Litre; % = percent saturation; TDS = Total Dissolved Solids; g/L = grams per Litre; - = not applicable/measured.

Table - 03: Summary Statistics of Physical and Chemical Constituents of Water Samples, 2011-2012

Location Date of Sampling Sampling Date	Anderson Bay (in Wekusko Lake)				Arm Lake				Gaspard Lake				Ghost Lake				Nutt Lake			
	Fall (n=10)		Spring (n=10)		Fall (n=1)		Spring (n=1)		Fall (n=1)		Spring (n=1)		Fall (n=3)		Spring (n=3)		Fall (n=1)		Spring (n=1)	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Physical Tests																				
Temperature (°C)	13.5	0.81	10.3	1.13	10.5	-	13.7	-	11.9	-	14.6	-	12.4	0.12	17.6	0.19	10.8	-	15.1	-
pH	8.55	0.53	8.13	0.085	7.6	-	7.55	-	7.79	-	7.77	-	7.83	0.03	7.77	0.03	7.32	-	7.33	-
Conductivity (µmhos/cm)	207	90.2	200	86.9	68	-	55.3	-	88.6	-	85.4	-	102	0	93.3	0.4	47	-	46.5	-
Hardness (mg/L CaCO ₃)	105	44	91.4	38.2	36.6	-	29.9	-	49.9	-	45.8	-	50.5	0.32	44.7	1.51	25.3	-	25	-
Colour (C.U.)	20.1	7.96	15.2	2.04	82.6	-	71.4	-	85.7	-	80.9	-	19.6	3.42	24.3	0.21	78.3	-	88.7	-
Total Suspended Solids	6.05	1.71	5.15	3.57	<5.0	-	<5.0	-	<5.0	-	<5.0	-	5.5	3.28	5.67	1.15	<5.0	-	<5.0	-
Total Dissolved Solids	128	62.4	117	53.7	46	-	32	-	68	-	50	-	66.7	4.16	46	4	36	-	30	-
Turbidity (NTU)	2.38	0.95	3.91	1.93	0.83	-	0.76	-	1.05	-	1.13	-	1.31	0.34	1.43	0.04	1.28	-	1.17	-
Acidity	<1.0	-	1.5	0.343	1.4	-	1.8	-	1.4	-	1.1	-	1.27	0.15	1.47	0.12	1.8	-	1.4	-
Alkalinity	77.2	3.87	68.7	3.16	34.4	-	26.7	-	46.5	-	41.3	-	43.7	0.15	37.6	0.36	20.6	-	19.8	-
Bicarbonate	78.8	20.1	83.8	3.87	41.9	-	32.6	-	56.7	-	50.4	-	53.3	0.2	45.9	0.4	25.1	-	24.2	-
Bromide	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-
Carbonate	6.88	10.5	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-
Chloride	6.39	3.25	5.78	2.69	<0.50	-	<0.50	-	<0.50	-	0.51	-	1.26	0.02	1.14	0.06	<0.50	-	<0.50	-
Fluoride	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-
Hydroxide	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-
Silica	2.23	1.07	1.08	0.313	2.33	-	0.19	-	4.04	-	5.2	-	0.74	0.016	0.72	0.008	1.24	-	1.11	-
Sulfate	29	42.7	24.5	39.3	<0.50	-	<0.50	-	<0.50	-	<0.50	-	7.1	0.27	6.85	0.07	0.67	-	<0.50	-
Ammonia-N	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	0.062	-	0.064	-
Nitrate and Nitrite	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-
Nitrate-N	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	-	-	<0.05	-	<0.05	-
Nitrite-N	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	-	-	<0.05	-	<0.05	-
Total Kjeldahl-N	0.71	0.07	0.66	0.183	0.95	-	1.02	-	0.74	-	0.73	-	0.87	0.006	0.89	0.01	1.14	-	1.05	-
Total P	0.027	0.01	0.02	0.008	<0.01	-	<0.01	-	0.011	-	0.016	-	0.013	0.002	0.015	0.001	0.011	-	0.016	-
BOD	1.57	0.39	1.07	0.411	1.3	-	1.3	-	<1.0	-	<1.0	-	<1.0	-	<1.0	-	1.4	-	1.5	-
Chlorophyll a (µg/L)	8.57	3.4	2.95	0.577	1.85	-	0.87	-	2.7	-	1.56	-	3.18	0.38	3.1	0.29	4.87	-	3.08	-
Phaeophytin a (µg/L)	2.15	0.52	2.52	0.746	1.75	-	0.77	-	1.85	-	1.5	-	1.87	0.14	2.61	0.07	2.68	-	2.86	-
Dissolved Organic Carbon	11.7	1.31	10.2	0.288	22.9	-	19.5	-	21.7	-	18.7	-	15.4	0.12	12.9	0	28	-	24.3	-
Total Organic Carbon	12.6	1.39	10.4	0.28	24.9	-	19.4	-	22.9	-	18.7	-	16.6	0.06	14.1	0.17	29.5	-	24.5	-

Notes:

Reported as mg/L, unless otherwise indicated. Where n = 1, "mean" value is actual concentration measured and no standard deviation is calculated.

SD = standard deviation; n = number of samples; - = not applicable; BOD = biochemical oxygen demand; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; C.U. = color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Table - 03: Summary Statistics of Physical and Chemical Constituents of Water Samples, 2011-2012

Location Date of Sampling Sampling Date	Anderson Bay (in Wekusko Lake)				Arm Lake				Gaspard Lake				Ghost Lake				Nutt Lake			
	Fall (n=10)		Spring (n=10)		Fall (n=1)		Spring (n=1)		Fall (n=1)		Spring (n=1)		Fall (n=3)		Spring (n=3)		Fall (n=1)		Spring (n=1)	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Total Metals																				
Aluminum	0.07	0.04	0.19	0.12	0.02	-	0.03	-	0.01	-	0.01	-	0.02	0.003	0.04	0.002	0.06	-	0.08	-
Antimony	0.001	0.002	0.001	0.003	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Arsenic	0.003	0.0003	0.001	0.001	0.001	-	0.001	-	0.001	-	0.001	-	0.002	0.0001	0.002	0.0001	0.0011	-	0.001	-
Barium	0.014	0.004	0.01	0.003	0.008	-	0.003	-	0.01	-	0.005	-	0.018	0.0008	0.012	0.0002	0.012	-	0.01	-
Beryllium	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Bismuth	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Boron	0.009	0.005	0.01	0.004	<0.01	-	<0.01	-	<0.01	-	<0.01	-	<0.01	-	0.009	0.004	<0.01	-	<0.01	-
Cadmium	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-
Calcium	29.8	15.9	25.5	15.3	9.38	-	8.31	-	14.5	-	13.2	-	13.2	0.55	11.8	0.46	8.49	-	7.16	-
Cesium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-
Chromium	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-
Cobalt	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Copper	0.001	0.0004	0.002	0.001	<0.0002	-	0.0004	-	0.0002	-	0.0003	-	0.0004	0.0002	0.001	0	0.0004	-	0.001	-
Iron	0.1	0.064	0.23	0.15	0.11	-	0.15	-	0.51	-	1.17	-	0.13	0.017	0.16	0.006	0.16	-	0.43	-
Lead	<0.00001	-	0.0001	0	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	0.0001	0	<0.00001	-	0.0002	-
Lithium	0.004	0.001	0.003	0.001	<0.002	-	<0.002	-	0.003	-	<0.002	-	0.003	0.0001	0.003	0.0004	<0.002	-	<0.002	-
Magnesium	9.02	1.09	7.7	0.35	3.43	-	2.69	-	3.78	-	3.68	-	4.99	0.12	4.92	0.28	2.49	-	2.1	-
Manganese	0.034	0.009	0.02	0.003	0.014	-	0.01	-	0.04	-	0.03	-	0.077	0.0009	0.042	0.005	0.037	-	0.017	-
Mercury	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-
Molybdenum	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-
Nickel	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-
Phosphorus	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-
Potassium	2.08	1.33	1.83	1.17	0.3	-	0.45	-	0.42	-	0.76	-	0.8	0.024	0.87	0.04	0.56	-	0.51	-
Rubidium	0.002	0.001	0.002	0.001	0.001	-	0.001	-	0.001	-	0.001	-	0.001	0.0001	0.001	0	0.001	-	0.001	-
Selenium	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-
Silicon	1.79	0.69	1.05	0.14	1.4	-	0.12	-	3.32	-	2.63	-	0.41	0.038	0.4	0.01	1.17	-	0.68	-
Silver	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-
Sodium	5.21	2.22	4.4	1.66	1.08	-	0.91	-	1.12	-	1.13	-	1.47	0.049	1.36	0.03	0.94	-	0.81	-
Strontium	0.072	0.036	0.07	0.04	0.017	-	0.015	-	0.02	-	0.02	-	0.03	0.001	0.03	0.0004	0.014	-	0.01	-
Tellurium	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Thallium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-
Thorium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-
Tin	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Titanium	0.003	0.002	0.01	0.01	<0.0002	-	0.0003	-	<0.0002	-	0.0003	-	0.001	0.0002	0.0003	3E-05	0.0002	-	0.0005	-
Tungsten	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-
Uranium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-
Vanadium	0.0005	0.0001	0.001	0	<0.0002	-	0.0003	-	<0.0002	-	0.0003	-	<0.0002	-	0.0003	3E-05	<0.0002	-	0.0003	-
Zinc	<0.005	-	0.01	0.02	<0.005	-	<0.005	-	<0.005	-	<0.005	-	0.009	0.0035	0.009	0.0009	<0.005	-	<0.005	-
Zirconium	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-

Notes:

Reported as mg/L, unless otherwise indicated. Where n = 1, "mean" value is actual concentration measured and no standard deviation is calculated.

SD = standard deviation; n = number of samples; - = not applicable; BOD = biochemical oxygen demand; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; C.U. = color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Table - 03: Summary Statistics of Physical and Chemical Constituents of Water Samples, 2011-2012

Location	Snow Lake				Threehouse Lake				Unnamed Lake 1				Anderson Creek				
	Fall (n=2)		Spring (n=2)		Fall (n=3)		Spring (n=3)		Fall (n=1)		Spring (n=1)		Fall (n=2)		Spring (n=2)		Summer (n=1)
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Value
Physical Tests																	
Temperature (°C)	16	0.28	11.4	0.94	10.5	0.35	17.1	0.43	11.6	-	12.4	-	11.7	0.49	15	2.76	15.56
pH	7.95	0.11	7.93	0.02	7.84	0.02	7.84	0.042	7.45	-	7.33	-	7.66	0.38	7.94	0.11	8.08
Conductivity (µmhos/cm)	112	11.3	112	12	75.8	0.57	73	0.23	58.4	-	50.7	-	501	3.54	497	6.36	490
Hardness (mg/L CaCO ₃)	57.7	5.16	55.7	5.59	39.7	1.3	36.9	0.46	30.2	-	25.7	-	249	10.6	219	9.9	-
Colour (C.U.)	28.8	1.84	32.3	1.13	41.8	2.65	48.9	0.61	63.2	-	56.9	-	8.85	1.91	12.5	1.41	10.5
Total Suspended Solids	<5.0	-	<5.0	-	<5.0	-	<5.0	-	5	-	<5.0	-	9	2.83	10.5	4.95	<5.0
Total Dissolved Solids	64	14.1	62	2.83	52.7	4.16	40	2	44	-	28	-	338	8.49	325	7.07	302
Turbidity (NTU)	0.65	0.74	1.36	0.11	2.29	0.27	1.45	0.27	2.41	-	1.87	-	4.6	2.35	3.33	0.13	2.89
Acidity	1.05	0.07	2.05	0.21	1.03	0.06	1.77	0.15	1.6	-	2.5	-	2.1	0.99	1.95	0.49	8.4
Alkalinity	55.9	4.17	53.1	4.17	38.7	0.32	34.9	0.12	26.4	-	21.8	-	54.3	1.13	54.1	0.64	-
Bicarbonate	68.1	5.09	64.7	5.09	47.2	0.44	42.6	0.17	32.2	-	26.6	-	66.3	1.34	65.9	0.85	-
Bromide	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	-
Carbonate	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	-
Chloride	1.7	0.85	1.76	0.77	<0.50	-	<0.50	-	<0.50	-	<0.50	-	17.2	-	15.9	0.57	-
Fluoride	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	0.25	0.0071	0.21	0.03	-
Hydroxide	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	-
Silica	2.86	1.53	1.59	0.39	1.4	0.06	0.75	0.08	1.41	-	0.16	-	0.91	0.07	0.21	0.07	0.373
Sulfate	2.3	1.04	2.59	0.8	<0.50	-	<0.50	-	1.03	-	1.15	-	179	0.71	167	5.66	-
Ammonia-N	<0.05	-	<0.05	-	<0.05	-	<0.05	-	0.128	-	<0.05	-	<0.05	-	<0.05	-	-
Nitrate and Nitrite	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	0.048	0.02	-
Nitrate-N	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	-
Nitrite-N	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	<0.05	-	-
Total Kjeldahl-N	0.72	0.064	0.77	0.22	0.98	0.03	0.91	0.031	1.67	-	1.28	-	0.65	0.08	0.6	0	0.56
Total P	0.024	0.007	0.015	0.006	0.012	0.0017	0.017	0.0006	0.024	-	0.024	-	0.017	0.0007	0.016	0.0021	0.024
BOD	<1.0	-	0.9	0.57	1.93	0.31	1.1	0.53	2	-	2.2	-	1.65	0.64	1.8	0.42	6
Chlorophyll a (µg/L)	7.42	4.22	4.77	1.24	4.1	0.48	3.03	0.21	7.18	-	8.69	-	1.57	0.15	4.1	0.25	<1.0
Phaeophytin a (µg/L)	2.53	0.49	3.33	1.47	1.72	0.24	1.27	0.06	3.7	-	3.72	-	1.26	0.06	2.59	1.86	-
Dissolved Organic Carbon	14.1	0.35	14.3	0.35	21.5	0.26	18.9	0.15	28	-	22.5	-	10.4	0.14	9.6	0.42	11.4
Total Organic Carbon	15.1	0.57	14.4	0.28	23.8	0.23	19.1	0.31	30.7	-	23.5	-	11.7	0.28	9.55	0.07	20

Notes:

Reported as mg/L, unless otherwise indicated. Where n = 1, "mean" value is actual concentration measured and no standard deviation is calculated.

SD = standard deviation; n = number of samples; - = not applicable; BOD = biochemical oxygen demand; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; C.U. = color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Table - 03: Summary Statistics of Physical and Chemical Constituents of Water Samples, 2011-2012

Location Date of Sampling Sampling Date	Snow Lake				Threehouse Lake				Unnamed Lake 1				Anderson Creek					
	Fall (n=2)		Spring (n=2)		Fall (n=3)		Spring (n=3)		Fall (n=1)		Spring (n=1)		Fall (n=2)		Spring (n=2)		Summer (n=1)	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Value	
Total Metals																		
Aluminum	0.04	0.01	0.08	0.03	0.011	0.002	0.023	0.002	0.07	-	0.087	-	0.14	0.05	0.24	0.05		0.0434
Antimony	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	0.007	0.0005	0.01	0.0001		0.00975
Arsenic	0.003	0.001	0.002	0.0005	0.001	0.0002	0.002	0	0.001	-	0.001	-	0.003	0.0002	0.003	0.001		0.00276
Barium	0.009	0.001	0.009	0	0.01	0.0005	0.008	0.0003	0.021	-	0.01	-	0.026	0.002	0.02	0.001		0.022
Beryllium	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-		<0.0002
Bismuth	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-		<0.0002
Boron	<0.01	-	0.008	0.004	<0.01	-	<0.01	-	<0.01	-	<0.01	-	0.024	0.001	0.02	0.002		0.024
Cadmium	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	0.00003	0	0.00009	0		0.000043
Calcium	14.6	2.05	13.6	1.27	10.9	1.13	10.7	0.15	10.4	-	8.91	-	75.8	3.46	74.3	1.56		83
Cesium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-		<0.0001
Chromium	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-		<0.001
Cobalt	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	0.0003	0	0.0003	0		0.00022
Copper	0.002	0.001	0.002	0.0007	<0.0002	-	0.0003	1E-05	0.001	-	0.001	-	0.002	0.001	0.006	0.001		0.00295
Iron	<0.10	-	0.17	0.007	0.14	0.04	0.6	0.05	0.11	-	0.24	-	0.26	0.03	0.33	0.021		<0.10
Lead	<0.00001	-	<0.00001	-	<0.00001	-	<0.00001	-	0.0001	-	0.0002	-	0.0002	0.0001	0.0003	0.0001		0.000152
Lithium	0.003	0	0.003	0.0001	<0.002	-	<0.002	-	0.002	-	<0.002	-	0.006	0.0002	0.0052	0.0001		0.0051
Magnesium	5.31	0.81	4.97	0.45	3.25	0.33	3.22	0.02	1.79	-	1.55	-	9.38	0.20	8.49	0.11		8.98
Manganese	0.032	0.005	0.021	0.004	0.053	0.006	0.028	0.004	0.027	-	0.025	-	0.03	0.004	0.021	0.001		0.038
Mercury	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-		<0.00002
Molybdenum	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	0.0007	-	0.00084	-		0.00077
Nickel	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-		<0.002
Phosphorus	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-		<0.10
Potassium	1.21	0.21	1.15	0.11	0.61	0.07	0.6	0.013	0.79	-	0.87	-	6.31	0.22	6.15	0.19		5.98
Rubidium	0.001	4E-05	0.001	0	0.001	0.0001	0.0009	0	0.002	-	0.002	-	0.004	0.0003	0.004	0.0002		0.00383
Selenium	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-		0.0019
Silicon	2.36	0.78	1.13	0.26	0.89	0.07	0.43	0.037	1.32	-	0.21	-	0.86	0.051	0.57	0.11		0.306
Silver	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-		<0.0001
Sodium	2.67	0.59	2.51	0.37	1.13	0.1	1.18	0.01	0.85	-	0.78	-	9.56	1.33	10.1	0.3		9.6
Strontium	0.03	0.003	0.03	0.002	0.02	0.002	0.02	0.0002	0.02	-	0.02	-	0.19	0.008	0.19	0.01		0.175
Tellurium	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-		<0.0002
Thallium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-		<0.0001
Thorium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-		<0.0001
Tin	<0.0002	-	0.0002	0.0002	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-		<0.0002
Titanium	0.002	0.0006	0.003	0.001	<0.0002	-	0.0002	0	0.0005	-	0.001	-	0.007	0.003	0.01	0.001		0.00525
Tungsten	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-		0.00012
Uranium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-		<0.0001
Vanadium	0.0003	0.0001	0.0003	0	<0.0002	-	0.0002	0	0.0003	-	0.0004	-	0.0006	0.0001	0.0007	0		<0.0002
Zinc	<0.005	-	<0.005	-	0.003	0	<0.005	-	<0.005	-	<0.005	-	0.037	0.004	0.07	0.008		0.0389
Zirconium	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	0.001	0.001	<0.0004	-		<0.0004

Notes:

Reported as mg/L, unless otherwise indicated. Where n = 1, "mean" value is actual concentration measured and no standard deviation is calculated.

SD = standard deviation; n = number of samples; - = not applicable; BOD = biochemical oxygen demand; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; C.U. = color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Table - 03: Summary Statistics of Physical and Chemical Constituents of Water Samples, 2011-2012

Location	Ghost Creek				Tern Ditch				Stall Creek				Threehouse Creek				Unnamed Creek 1			
	Fall (n=1)		Spring (n=1)		Fall (n=1)		Spring (n=1)		Fall (n=3)		Spring (n=3)		Fall (n=1)		Spring (n=1)		Fall (n=1)		Spring (n=1)	
Date of Sampling	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Physical Tests																				
Temperature (°C)	10.7	-	20.6	-	11.8	-	20	-	11.3	3.33	12.9	5.93	10.5	-	16	-	9.85	-	8.85	-
pH	7.02	-	7.82	-	7.88	-	7.7	-	8.04	0.12	7.79	0.1	6.93	-	7.15	-	7.48	-	8.3	-
Conductivity (µmhos/cm)	90.8	-	98.7	-	211	-	119	-	327	83.4	316	109	67.4	-	54.6	-	342	-	267	-
Hardness (mg/L CaCO ₃)	52.7	-	49	-	110	-	53.5	-	176	36.8	159	59.6	38.1	-	30.4	-	206	-	161	-
Colour (C.U.)	324	-	49.3	-	114	-	78.4	-	107	49.8	73.2	33.9	188	-	90.6	-	118	-	60.1	-
Total Suspended Solids	13	-	<5.0	-	12	-	6	-	15.5	13.8	<5.0	-	10	-	<5.0	-	17	-	5	-
Total Dissolved Solids	70	-	46	-	160	-	80	-	228	37	200	65.2	50	-	30	-	264	-	172	-
Turbidity (NTU)	5.1	-	1.53	-	1.91	-	0.85	-	1.11	0.75	1.11	0.91	3.79	-	0.75	-	6.21	-	2.3	-
Acidity	7.4	-	4.2	-	2.2	-	2.4	-	2.9	1.41	3.43	0.4	5.1	-	7.3	-	12.8	-	10.7	-
Alkalinity	39.2	-	40.5	-	93.7	-	47.5	-	164	25.1	110	14.9	33.2	-	26.7	-	220	-	149	-
Bicarbonate	47.8	-	49.5	-	114	-	57.9	-	200	30.6	135	18.2	40.5	-	32.5	-	268	-	181	-
Bromide	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-
Carbonate	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-	<0.60	-
Chloride	3.56	-	1.21	-	15.8	-	7.18	-	4.4	1.27	5.02	1.85	<0.50	-	<0.50	-	<0.50	-	<0.50	-
Fluoride	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	<0.10	-	0.12	-	0.07	-
Hydroxide	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-	<0.40	-
Silica	5.73	-	0.88	-	14	-	0.57	-	8.94	4.1	2.03	2.19	2.79	-	0.58	-	17.1	-	8.79	-
Sulfate	0.54	-	5.89	-	<0.50	-	1	-	23.9	18.4	50.2	41.1	<0.50	-	<0.50	-	<0.50	-	2.67	-
Ammonia-N	<0.05	-	<0.05	-	<0.05	-	<0.05	-	0.125	0.173	<0.05	-	<0.05	-	<0.05	-	0.169	-	<0.05	-
Nitrate and Nitrite	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-	<0.07	-
Nitrate-N	<0.05	-	-	-	<0.05	-	-	-	<0.05	-	<0.05	-	<0.05	-	-	-	<0.05	-	-	-
Nitrite-N	<0.05	-	-	-	<0.05	-	-	-	<0.05	-	<0.05	-	<0.05	-	-	-	<0.05	-	-	-
Total Kjeldahl-N	1.83	-	0.96	-	1.91	-	0.89	-	1.09	0.333	0.86	0.19	1.12	-	0.84	-	1.05	-	0.94	-
Total P	0.053	-	0.03	-	0.032	-	0.018	-	0.044	0.038	0.018	0.014	0.038	-	0.022	-	0.144	-	0.042	-
BOD	4.2	-	1.6	-	2.7	-	<1.0	-	1.8	1.84	1.4	0.78	1.6	-	1.2	-	1.5	-	1.1	-
Chlorophyll a (µg/L)	11.6	-	2.85	-	67.5	-	6.36	-	5.43	5.58	2.01	2.04	4.06	-	0.53	-	7.21	-	1.5	-
Phaeophytin a (µg/L)	11.6	-	7.08	-	8.55	-	5.87	-	4.75	4.81	1.45	1.38	3.83	-	2.49	-	3.13	-	1.78	-
Dissolved Organic Carbon	42	-	16	-	30.3	-	17.8	-	29.2	6.62	23.7	5.87	28.6	-	17.5	-	21.2	-	19	-
Total Organic Carbon	45	-	16.1	-	32	-	19.1	-	30.6	6.8	23.8	6.08	31.8	-	17.8	-	24	-	19.4	-

Notes:

Reported as mg/L, unless otherwise indicated. Where n = 1, "mean" value is actual concentration measured and no standard deviation is calculated.

SD = standard deviation; n = number of samples; - = not applicable; BOD = biochemical oxygen demand; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; C.U. = color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Table - 03: Summary Statistics of Physical and Chemical Constituents of Water Samples, 2011-2012

Location Date of Sampling Sampling Date	Ghost Creek				Tern Ditch				Stall Creek				Threehouse Creek				Unnamed Creek 1			
	Fall (n=1)		Spring (n=1)		Fall (n=1)		Spring (n=1)		Fall (n=3)		Spring (n=3)		Fall (n=1)		Spring (n=1)		Fall (n=1)		Spring (n=1)	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
Total Metals																				
Aluminum	0.09	-	0.02	-	0.15	-	0.03	-	0.06	0.03	0.06	0.04	0.12	-	0.036	-	0.142	-	0.122	-
Antimony	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Arsenic	0.01	-	0.004	-	0.001	-	0.001	-	0.001	0.0003	0.001	0.0001	0.003	-	0.002	-	0.004	-	0.002	-
Barium	0.01	-	0.012	-	0.027	-	0.013	-	0.024	0.007	0.018	0.0052	0.0101	-	0.006	-	0.032	-	0.022	-
Beryllium	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	0	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Bismuth	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	0	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Boron	<0.01	-	0.01	-	<0.01	-	<0.01	-	0.021	0.009	0.021	0.0092	0.013	-	<0.01	-	<0.01	-	<0.01	-
Cadmium	<0.00001	-	<0.00001	-	0.00001	-	<0.00001	-	<0.00001	-	<0.00001	0	1.1E-05	-	<0.00001	-	<0.00001	-	0.00001	-
Calcium	13.4	-	13	-	32.4	-	15.6	-	43.1	10.9	37.7	13.6	11	-	8.33	-	59.9	-	52.4	-
Cesium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	0	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-
Chromium	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	0	<0.001	-	<0.001	-	<0.001	-	<0.001	-
Cobalt	0.0003	-	<0.0002	-	0.0002	-	<0.0002	-	0.001	0.001	<0.0002	0.0003	<0.0002	-	<0.0002	-	0.001	-	0.0006	-
Copper	0.0009	-	0.00104	-	0.0009	-	0.0005	-	0.003	0.005	0.005	0.0067	0.0008	-	0.0005	-	0.0006	-	0.002	-
Iron	1.16	-	0.46	-	0.55	-	0.25	-	0.61	0.71	0.24	0.23	0.61	-	0.3	-	3.06	-	0.75	-
Lead	0.0002	-	0.0001	-	0.0001	-	<0.00001	-	<0.00001	-	<0.00001	0	0.0003	-	<0.00001	-	<0.00001	-	0.0002	-
Lithium	<0.002	-	0.003	-	0.004	-	0.0033	-	0.004	0.001	0.004	0.0003	0.003	-	<0.002	-	0.003	-	0.003	-
Magnesium	4.75	-	4.79	-	9.26	-	4.6	-	17.9	2.95	15.8	4.03	3.31	-	2.46	-	14.7	-	11.2	-
Manganese	0.16	-	0.07	-	0.095	-	0.029	-	0.27	0.22	0.036	0.019	0.039	-	0.027	-	1.66	-	0.48	-
Mercury	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	0	<0.00005	-	<0.00005	-	<0.00005	-	<0.00005	-
Molybdenum	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	0	<0.002	-	<0.002	-	0.00026	-	0.0003	-
Nickel	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	-	<0.002	0	<0.002	-	<0.002	-	<0.002	-	<0.002	-
Phosphorus	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	-	<0.2	0	<0.2	-	<0.2	-	<0.2	-	<0.2	-
Potassium	0.46	-	0.88	-	3.4	-	2.96	-	2.09	1.36	2.79	0.93	0.309	-	0.49	-	1.52	-	1.41	-
Rubidium	0.0008	-	0.0012	-	0.003	-	0.0023	-	0.001	0.0003	0.001	0.0005	0.00062	-	0.0008	-	0.001	-	0.0009	-
Selenium	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	0	<0.001	-	<0.001	-	<0.001	-	<0.001	-
Silicon	2.5	-	0.55	-	7.14	-	0.34	-	4.79	1.8	1.17	0.96	1.65	-	0.3	-	7.17	-	4.27	-
Silver	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	0	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-
Sodium	1.83	-	1.49	-	6.65	-	3.46	-	9.62	0.14	8.49	1.11	0.99	-	0.9	-	1.62	-	1.58	-
Strontium	0.032	-	0.03	-	0.07	-	0.03	-	0.12	0.023	0.1	0.03	0.018	-	0.015	-	0.087	-	0.069	-
Tellurium	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Thallium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-
Thorium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	0.0001	-	<0.0001	-
Tin	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-	<0.0002	-
Titanium	0.002	-	0.0005	-	0.006	-	0.0008	-	0.003	0.002	0.003	0.0017	0.0054	-	0.0006	-	0.0068	-	0.004	-
Tungsten	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-	<0.001	-
Uranium	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	<0.0001	-	0.0003	-
Vanadium	0.0003	-	0.0003	-	0.0006	-	0.0002	-	0.0003	0.0002	0.001	0.0003	0.0005	-	0.0002	-	0.0012	-	0.001	-
Zinc	0.012	-	0.008	-	0.009	-	<0.005	-	0.0076	0.009	0.007	0.008	0.0092	-	0.005	-	<0.005	-	0.028	-
Zirconium	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	<0.0004	-	0.0007	-	0.0005	-

Notes:

Reported as mg/L, unless otherwise indicated. Where n = 1, "mean" value is actual concentration measured and no standard deviation is calculated.

SD = standard deviation; n = number of samples; - = not applicable; BOD = biochemical oxygen demand; µmhos/cm = micromhos per centimetre; mg/L = milligrams per Litre; C.U. = color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per Litre.

Table - 04: Water and Sediment Chemistry Indices, 2011-2012

Waterbody	Station	WQI	SQI (ISQG)	SQI (PEL)
Anderson Bay (in Wekusko Lake)	ANB-01	93	37	86
	ANB-02	92	34	79
	ANB-03	96	39	88
	ANB-04	92	41	82
	ANB-05	96	36	81
	ANB-06	96	67	100
	ANB-07	96	42	100
	ANB-08	95	67	100
	ANB-09	95	60	88
	ANB-10	100	83	100
Arm Lake	ARL-01	100	72	100
Gaspard Lake	GSL-01	100	63	91
Ghost Lake	GHL-01	100	54	79
	GHL-02	100	29	74
	GHL-03	100	31	74
Nutt Lake	NTL-01	100	72	100
Snow Lake	SNL-01	100	-	-
	SNL-02	100	-	-
Threehouse Lake	THL-01	100	68	92
	THL-02	100	66	89
	THL-03	100	74	91
Unnamed Lake 1	UL1-01	100	61	100
Anderson Creek	ANC-01	95	55	100
	ANC-02	94	42	81
	ANC-04	95	23	63
Ghost Creek	GHC-01	100	51	76
Stall Creek	STC-01	100	32	67
	STC-02	100	72	92
	STC-03	100	81	100
Tern Ditch	TED-01	96	100	100
Threehouse Creek	THC-01	96	57	89
Unnamed Creek 1	UC1-01	95	53	82

Notes:

Sources: CCME, 2001a and 2001b; Williamson, 2011.

WQI = Water Quality Index (calculated based on Canadian Water Quality Guidelines for the Protection of Freshwater Aquatic Life); SQI (ISQG) = Sediment Quality Index (calculated based on Manitoba Interim Sediment Quality Guideline; SQI (PEL) = Sediment Quality Index (calculated based on Manitoba Probable Effects Level).

Table - 05: Detailed Sediment Chemistry Results, 2011-2012

Waterbody	Station ID	Date	Replicate	CSQG-RP ^a	MSQSQG ^b		DL	Anderson Bay (in Wekusko Lake)																							
					ISQG	PEL		ANB-01						ANB-02						ANB-03						ANB-04					
								23-May-11			15-Sep-11			23-May-11			15-Sep-11			23-May-11			17-Sep-11			23-May-11			16-Sep-11		
								A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Physical Characteristics																															
% Moisture	-	-	-	0.10	74.9	69.2	68.3	89.3	90.6	77.2	85.3	85.7	87.4	93.4	93.8	91.2	79.6	81.0	78.1	87.1	96.9	95.7	85.9	86.0	86.2	89.0	92.6	80.8			
% Sand (2.0mm - 0.05mm)	-	-	-	0.10	4.98	-	-	1.84	-	-	1.01	-	-	1.19	-	-	0.72	-	-	3.32	-	-	0.47	-	-	1.79	-	-			
% Silt (0.05mm - 2µm)	-	-	-	0.10	60.6	-	-	75.2	-	-	59.5	-	-	60.6	-	-	62.5	-	-	69.5	-	-	55.4	-	-	75.8	-	-			
% Clay (<2µm)	-	-	-	0.10	34.4	-	-	23.0	-	-	39.4	-	-	38.2	-	-	36.8	-	-	27.1	-	-	44.1	-	-	22.4	-	-			
Texture	-	-	-	-	Silty clay loam	-	-	Silt loam	-	-	Silty clay loam	-	-	Silty clay loam	-	-	Silty clay loam	-	-	Silt loam / Silty clay loam	-	-	Silty clay	-	-	Silt loam	-	-			
Total Nitrogen by LECO (%)	-	-	-	0.020	1.19	1.06	0.916	1.33	1.35	1.13	1.41	1.35	1.52	1.36	1.48	1.41	1.31	1.20	0.999	1.20	1.31	1.21	1.13	1.28	1.25	1.18	1.38	1.34			
Phosphorus, Total	-	-	-	50	765	617	577	760	764	617	887	821	955	737	835	751	831	703	637	673	674	730	731	854	768	663	881	877			
CaCO ₃ Equivalent (%)	-	-	-	0.70	1.24	1.06	0.90	1.50	1.69	1.03	0.75	0.97	1.08	0.81	0.88	0.86	1.24	0.88	1.26	1.13	1.35	0.91	0.92	1.15	0.91	<0.70	1.28	0.75			
Inorganic Carbon (%)	-	-	-	0.10	0.15	0.13	0.11	0.18	0.20	0.12	<0.10	0.12	0.13	<0.10	0.11	0.10	0.15	0.11	0.15	0.14	0.16	0.11	0.11	0.14	0.11	<0.10	0.15	<0.10			
Total Carbon by Combustion (%)	-	-	-	0.1	15.0	13.6	11.4	17.4	16.1	13.7	13.7	12.7	13.9	13.4	14.4	13.2	13.5	13.4	10.8	12.8	15.9	12.4	10.9	11.6	11.6	11.7	13.3	12.5			
Total Organic Carbon (%)	-	-	-	0.10	14.8	13.5	11.3	17.2	15.9	13.6	13.7	12.6	13.8	13.4	14.2	13.1	13.4	13.2	10.6	12.7	15.7	12.3	10.8	11.4	11.5	11.7	13.1	12.5			
Chemical Characteristics																															
Aluminum	-	-	-	5.0	20800	20600	21600	18900	20000	21900	24100	24100	23100	26900	25300	26500	23400	22400	24900	22900	20400	23600	25800	26400	24700	25400	22800	22000			
Antimony	20	-	-	0.10	14.5	1.71	7.35	10.9	12.4	4.10	4.20	3.85	4.10	2.87	5.26	3.27	2.46	2.16	0.31	2.52	5.01	1.32	0.28	2.67	2.17	0.47	3.07	2.22			
Arsenic	12	5.9	17.0	0.10	15.2	5.88	11.8	13.8	16.1	9.46	17.1	15.6	15.3	16.3	18.5	17.0	11.3	11.5	9.22	14.4	12.0	14.0	9.52	16.8	15.6	12.4	17.8	16.4			
Barium	500	-	-	0.50	100	105	107	96.0	102	111	137	136	132	151	137	145	125	117	131	121	101	124	136	139	130	146	139	123			
Beryllium	4	-	-	0.10	0.77	0.58	0.71	0.59	0.62	0.59	0.94	0.90	0.76	0.81	0.71	0.75	0.82	1.01	0.88	0.79	0.69	0.85	0.90	1.02	0.93	0.97	0.81	0.78			
Bismuth	-	-	-	0.020	0.191	0.162	0.180	0.155	0.156	0.140	0.243	0.239	0.251	0.198	0.190	0.211	0.234	0.218	0.242	0.215	0.188	0.234	0.262	0.279	0.257	0.253	0.243	0.234			
Boron	-	-	-	1.0	26.8	24.8	24.6	19.2	22.8	18.9	71.5	38.6	47.2	19.4	32.7	21.7	22.1	22.7	21.6	16.8	16.3	15.7	20.9	26.7	24.0	17.7	23.8	18.2			
Cadmium	10	0.6	3.5	0.020	1.36	0.483	1.02	1.11	1.17	0.714	1.12	1.05	1.36	0.810	1.49	1.05	1.31	1.13	0.309	0.918	1.47	0.732	0.299	0.828	0.762	0.408	0.823	0.813			
Calcium	-	-	-	100	14100	12500	12700	15500	15100	13400	12700	11800	11100	11400	12500	11900	11500	12000	10300	10500	12200	10400	9520	10300	10100	9210	10500	9240			
Cesium	-	-	-	0.020	2.09	1.95	2.06	1.72	1.88	1.97	2.59	2.63	2.54	2.68	2.42	2.62	2.51	2.37	2.65	2.40	2.02	2.48	2.76	2.89	2.65	2.73	2.55	2.38			
Chromium	64	37.3	90.0	1.0	55.9	53.4	55.0	52.2	58.7	55.1	61.8	61.2	59.9	65.5	62.4	65.8	60.7	59.0	65.2	56.9	61.6	56.4	67.0	67.3	62.9	61.8	71.9	54.6			
Cobalt	50	-	-	0.020	18.9	15.9	21.9	16.0	16.8	19.3	20.5	19.8	22.9	20.4	28.5	22.1	21.1	20.5	14.8	17.3	26.4	17.7	14.7	18.2	17.4	14.3	16.1	16.1			
Copper	63	35.7	197	1.0	60.9	36.6	48.6	54.5	57.3	41.0	56.0	51.2	55.5	49.0	62.8	47.0	54.1	49.4	34.6	44.9	54.8	41.1	34.5	50.3	47.4	36.5	47.2	46.1			
Iron	-	-	-	25	28800	26900	30100	25900	28200	28200	35800	34500	33900	35100	33300	35600	32900	31700	32500	32300	29200	34800	32700	39400	36500	34900	34400	33300			
Lead	140	35.0	91.3	0.20	14.3	10.4	12.9	11.3	11.4	9.92	16.7	16.3	17.3	13.0	15.1	15.5	16.4	15.7	13.1	14.3	14.3	15.0	13.3	17.2	16.0	15.2	15.3	15.2			
Magnesium	-	-	-	10	10200	10200	10300	8820	8930	9610	11700	11500	11300	10800	10400	11100	11400	11300	12500	9900	9120	10100	12900	13100	12400	11400	10500	10000			
Manganese	-	-	-	0.50	469	514	569	477	532	701	922	742	798	811	880	776	502	513	495	522	500	542	500	613	600	508	683	611			
Mercury	6.6	0.17	0.486	0.050	0.067	0.053	0.068	<0.050	<0.050	<0.050	0.078	0.079	0.077	0.063	0.072	0.061	0.071	0.075	0.057	0.057	0.077	0.099	0.057	0.078	0.077	0.050	0.054	0.057			
Molybdenum	10	-	-	0.020	0.971	0.405	0.692	0.743	0.843	0.532	0.742	0.592	0.714	0.622	0.729	0.686	0.458	0.654	0.715	0.468	1.01	0.434	0.470	0.587	0.531	0.491	0.716	0.518			
Nickel	50	-	-	0.50	33.6	30.8	32.5	32.8	36.4	33.0	40.7	39.5	39.1	44.6	43.2	53.8	38.0	36.1	39.9	37.2	38.9	38.4	41.1	42.1	39.9	42.3	46.0	38.6			
Phosphorus	-	-	-	100	700	570	620	740	760	620	930	810	850	710	850	750	710	690	620	700	670	640	640	840	810	650	970	780			
Potassium	-	-	-	25	4180	3940	4180	4180	4220	4260	5620	5290	5260	5220	5290	5020	4770	5400	4800	3880	4910	5670	5920	5530	5410	6010	5090				
Rubidium	-	-	-	0.020	43.4	42.6	44.6	36.0	39.8	51.8	54.0	54.2	52.4	67.4	61.4	65.6	51.5	50.0	55.8	50.2	41.0	51.8	58.8	58.5	55.3	54.6	52.0	48.3			
Selenium	1	-	-	0.50	3.60	1.21	2.52	3.72	3.84	1.88	2.49	1.99	2.27	1.89	3.03	2.18	2.26	1.86	0.59	1.90	3.32	1.47	0.63	1.47	1.40	0.83	1.89	1.72			
Silver	20	-	-	0.10	0.21	0.22	0.21	0.13	0.14	0.15	0.19	0.20	0.18	0.17	0.15	0.17	0.23	0.21	0.23	0.17	0.18	0.17	0.22	0.20	0.19	0.18	0.15	0.16			
Sodium	-	-	-	10	345	300	317	390	387	351	428	425	376	423	460	407	348	355	382	376	309	341	383	407	445	367	567	449			
Strontium	-	-	-	0.10	41.9	39.0	38.8	40.7	40.7	45.8	39.8	37.9	37.0	45.4	44.7	41.4	35.9	36.8	33.9	34.8	36.7	34.5	33.5	35.1	34.0	33.1	37.5	31.9			
Tellurium	-	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Thallium	1	-	-	0.10	0.44	0.26	0.34	0.32	0.33	0.23	0.40	0.37	0.39	0.29	0.32	0.31	0.37	0.34	0.31	0.31	0.31	0									

Table - 05: Detailed Sediment Chemistry Results, 2011-2012

Waterbody	Station ID	Date	Replicate	CSQG-RP ^a	MSQSOG ^b		DL	Anderson Bay (in Wekusko Lake)																							
					ISQG	PEL		ANB-05						ANB-06						ANB-07						ANB-08					
								23-May-11			15-Sep-11			23-May-11			16-Sep-11			24-May-11			16-Sep-11			24-May-11			16-Sep-11		
								A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Physical Tests																															
% Moisture	-	-	-	0.10	84.7	83.2	84.6	93.0	88.1	86.9	59.6	75.6	78.9	64.9	80.5	87.7	81.9	81.7	82.2	83.6	85.2	84.7	68.2	82.0	81.2	83.0	83.2	80.9			
% Sand (2.0mm - 0.05mm)	-	-	-	0.10	0.49	-	-	0.81	-	-	12.0	-	-	21.5	-	-	1.33	-	-	11.5	-	-	66.5	-	-	10.7	-	-			
% Silt (0.05mm - 2µm)	-	-	-	0.10	60.3	-	-	70.5	-	-	31.0	-	-	22.7	-	-	36.1	-	-	53.5	-	-	12.1	-	-	56.7	-	-			
% Clay (<2µm)	-	-	-	0.10	39.3	-	-	28.7	-	-	57.0	-	-	55.9	-	-	62.5	-	-	34.9	-	-	21.3	-	-	32.6	-	-			
Texture	-	-	-	-	Silty clay loam	-	-	Silty clay loam	-	-	Clay	-	-	Clay	-	-	Clay	-	-	Silty clay loam	-	-	Sandy clay loam	-	-	Silty clay loam	-	-			
Total Nitrogen by LECO (%)	-	-	-	0.020	1.17	1.13	1.22	1.23	1.12	1.12	0.245	0.891	0.846	0.183	0.813	0.918	0.935	0.968	0.954	1.03	1.04	1.00	0.296	0.663	0.537	0.777	0.661	0.537			
Phosphorus, Total	-	-	-	50	871	918	1030	833	733	751	707	856	844	630	727	781	1010	995	922	881	887	839	734	1100	965	1020	846	848			
CaCO ₃ Equivalent (%)	-	-	-	0.70	1.14	1.89	0.93	<0.70	0.79	0.86	2.18	<0.70	0.81	2.05	1.20	0.88	0.85	0.79	1.14	1.08	0.72	0.79	0.98	1.00	1.62	0.89	0.74	1.00			
Inorganic Carbon (%)	-	-	-	0.10	0.14	0.23	0.11	<0.10	<0.10	0.10	0.26	<0.10	<0.10	0.25	0.14	0.11	0.10	<0.10	0.14	0.13	<0.10	<0.10	0.12	0.12	0.19	0.11	<0.10	0.12			
Total Carbon by Combustion (%)	-	-	-	0.1	10.8	10.4	11.2	11.2	10.5	10.6	2.5	8.9	8.4	1.9	8.3	9.0	8.6	8.9	8.9	9.4	9.4	9.3	2.5	5.8	4.8	6.9	5.8	4.8			
Total Organic Carbon (%)	-	-	-	0.10	10.7	10.1	11.0	11.2	10.5	10.5	2.21	8.93	8.44	1.69	8.14	8.92	8.52	8.92	8.76	9.27	9.43	9.29	2.42	5.65	4.57	6.79	5.75	4.64			
Metals																															
Aluminum	-	-	-	5.0	26200	27100	26200	26500	25000	28500	27600	23500	24100	29000	24400	24900	25200	27200	32200	28900	26500	26500	11000	31300	32200	26000	19400	19700			
Antimony	20	-	-	0.10	2.27	1.50	2.83	3.22	2.14	1.63	0.21	0.55	0.61	0.32	0.69	0.78	1.07	1.55	1.64	1.27	1.47	1.27	0.34	0.76	0.67	0.79	0.59	0.42			
Arsenic	12	5.9	17.0	0.10	16.6	15.2	18.8	18.5	16.9	16.2	5.88	13.4	13.6	8.30	12.0	12.5	12.8	13.6	15.0	15.2	13.5	12.2	7.76	14.8	16.7	16.5	11.0	9.01			
Barium	500	-	-	0.50	139	143	145	142	138	149	140	125	128	144	127	126	137	143	161	147	143	135	62.1	160	162	138	104	110			
Beryllium	4	-	-	0.10	0.90	1.00	1.17	0.77	0.80	0.83	1.09	0.93	0.82	0.77	0.76	0.62	1.07	0.74	0.87	0.88	0.97	0.78	0.28	0.78	0.86	0.81	0.75	0.61			
Bismuth	-	-	-	0.020	0.272	0.273	0.278	0.221	0.219	0.233	0.257	0.272	0.265	0.178	0.189	0.196	0.280	0.288	0.268	0.240	0.278	0.221	0.094	0.242	0.236	0.216	0.182	0.161			
Boron	-	-	-	1.0	27.7	26.6	31.6	16.7	12.1	17.4	16.0	20.6	20.2	10.9	11.5	11.1	23.1	23.8	19.5	14.3	17.6	14.6	8.6	18.8	18.7	10.4	12.7	5.8			
Cadmium	10	0.6	3.5	0.020	0.914	0.645	0.893	0.883	0.747	0.605	0.110	0.351	0.349	0.134	0.339	0.351	0.480	0.607	0.647	0.561	0.601	0.553	0.184	0.341	0.321	0.293	0.271	0.230			
Calcium	-	-	-	100	10300	10100	11500	9430	9060	9180	9830	8410	7690	10700	7590	6640	7990	8050	8830	7990	7400	7340	3800	7770	8310	6560	5430	6230			
Cesium	-	-	-	0.020	2.88	2.97	2.91	2.62	2.49	2.83	2.79	2.50	2.62	2.69	2.29	2.38	2.89	2.93	3.09	2.78	2.78	2.52	1.17	2.96	3.00	2.40	1.97	1.94			
Chromium	64	37.3	90.0	1.0	67.8	70.8	70.7	65.8	62.7	65.9	68.9	61.9	61.6	68.8	56.2	57.1	68.7	69.4	75.5	69.0	60.6	62.1	27.7	70.5	72.7	59.2	43.6	45.4			
Cobalt	50	-	-	0.020	21.1	18.1	20.0	19.0	18.0	16.9	16.4	14.9	14.8	21.0	13.8	14.0	16.8	18.0	18.4	17.7	15.6	15.8	9.39	16.1	16.5	15.4	11.1	11.8			
Copper	63	35.7	197	1.0	48.5	43.4	49.2	126	44.8	41.9	28.7	34.9	33.0	22.9	30.3	31.4	36.8	40.5	43.3	39.7	37.0	36.3	11.8	28.7	28.7	28.0	19.9	20.6			
Iron	-	-	-	25	38900	38900	40000	38100	38800	40400	37100	34000	34900	40300	32500	34400	35400	39400	40900	39700	40500	37800	19200	42000	43800	40600	31000	31400			
Lead	140	35.0	91.3	0.20	17.7	16.5	17.2	15.1	14.5	14.3	11.8	14.7	14.6	7.65	11.2	11.5	15.9	16.9	15.9	14.4	15.9	13.0	6.02	14.0	13.8	12.5	10.9	9.33			
Magnesium	-	-	-	10	13300	14100	14200	11500	11000	11700	16100	12300	12300	15100	10200	10200	13700	13700	14800	11900	11300	11200	5440	13300	13900	10800	8120	9110			
Manganese	-	-	-	0.50	701	692	852	811	710	693	498	662	643	727	757	695	681	746	682	649	751	497	1160	1170	1200	815	808				
Mercury	6.6	0.17	0.486	0.050	0.076	0.068	0.077	0.058	0.058	0.050	<0.050	0.072	0.071	<0.050	<0.050	0.052	0.072	0.078	0.083	0.059	0.057	0.061	<0.050	0.070	0.066	0.065	<0.050	<0.050			
Molybdenum	10	-	-	0.020	0.500	0.484	0.527	0.474	0.482	0.473	0.210	0.373	0.371	0.231	0.300	0.333	0.381	0.377	0.427	0.391	0.363	0.332	0.153	0.306	0.306	0.288	0.215	0.229			
Nickel	50	-	-	0.50	42.5	44.0	43.8	49.9	42.7	44.1	42.6	38.4	38.1	47.3	36.3	37.3	41.9	42.8	45.3	44.0	40.1	40.6	17.0	40.5	41.1	39.2	27.3	30.2			
Phosphorus	-	-	-	100	810	780	910	800	710	720	590	770	760	570	700	700	850	880	1,050	850	900	840	760	1,060	1,160	980	1050	670			
Potassium	-	-	-	25	5920	6080	6160	5200	4730	5410	5660	4980	5230	5610	4290	4460	5880	5910	6790	5540	5360	5000	2440	6230	6640	4810	3770	3650			
Rubidium	-	-	-	0.020	60.0	62.0	59.9	64.9	60.6	66.6	60.3	50.9	53.5	66.4	55.0	58.5	60.6	60.6	69.5	68.0	55.7	63.2	22.5	63.2	66.4	61.7	39.8	47.5			
Selenium	1	-	-	0.50	1.49	1.16	1.50	1.95	1.59	1.37	<0.50	0.61	0.65	<0.50	0.81	0.80	0.93	1.03	1.29	1.25	1.20	1.11	<0.50	0.77	0.77	0.80	0.58	<0.50			
Silver	20	-	-	0.10	0.20	0.21	0.19	0.17	0.18	0.18	0.27	0.20	0.18	0.15	0.14	0.14	0.19	0.20	0.20	0.17	0.16	0.15	<0.10	0.13	0.13	0.13	<0.10	0.10			
Sodium	-	-	-	10	412	420	432	355	320	353	394	352	344	409	299	306	385	391	431	350	333	320	168	411	429	289	262	262			
Strontium	-	-	-	0.10	35.4	35.7	36.4	36.4	33.1	36.3	28.5	31.9	30.7	33.7	33.0	31.8	33.8	33.7	36.5	36.1	33.7	34.4	14.0	33.0	34.0	32.0	24.2	25.4			
Tellurium	-	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Thallium	1	-	-	0.10	0.38	0.37	0.38	0.31	0.30	0.31	0.35	0.30	0.30	0.28	0.23	0.23	0.35	0.37	0.34	0.31	0.34	0.27	0.15	0.31	0.32	0.26	0.23	0.21			
Tin	50	-																													

Table - 05: Detailed Sediment Chemistry Results, 2011-2012

Waterbody Station ID Date Replicate	CSQG-RP ^a	MSQSOG ^b		DL	Anderson Bay (in Wekusko Lake)												Arm Lake						Gaspard Lake					
		ISQG	PEL		ANB-09						ANB-10						ARL-01			GSL-01								
					24-May-11			16-Sep-11			24-May-11			16-Sep-11			29-May-11			15-Sep-11			28-May-11			14-Sep-11		
					A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Physical Tests																												
% Moisture	-	-	-	0.10	82.4	82.5	81.4	80.7	83.8	80.9	66.2	58.9	52.0	67.1	59.1	44.1	88.7	94.7	95.8	93.7	96.3	95.7	90.2	94.4	93.3	96.4	95.4	96.0
% Sand (2.0mm - 0.05mm)	-	-	-	0.10	1.99	-	-	2.24	-	-	65.6	-	-	58.4	-	-	2.04	-	-	1.56	-	-	1.28	-	-	1.67	-	-
% Silt (0.05mm - 2µm)	-	-	-	0.10	34.0	-	-	53.5	-	-	12.8	-	-	18.1	-	-	67.8	-	-	76.7	-	-	74.0	-	-	85.7	-	-
% Clay (<2µm)	-	-	-	0.10	64.1	-	-	44.3	-	-	21.6	-	-	23.4	-	-	30.1	-	-	21.7	-	-	24.8	-	-	12.6	-	-
Texture	-	-	-	-	Clay	-	-	Silty clay	-	-	Sandy clay loam	-	-	Sandy clay loam	-	-	Silty clay loam	-	-	Silt loam	-	-	Silt loam	-	-	Silt loam	-	-
Total Nitrogen by LECO (%)	-	-	-	0.020	0.732	0.661	0.700	0.774	0.789	0.752	0.300	0.214	0.207	0.427	0.327	0.154	3.02	2.84	3.18	3.18	3.09	3.09	2.98	2.70	2.80	2.92	2.75	2.77
Phosphorus, Total	-	-	-	50	1110	1110	1140	1090	1160	1140	705	585	620	664	591	520	775	645	702	627	595	618	1000	546	662	828	531	583
CaCO ₃ Equivalent (%)	-	-	-	0.70	0.77	1.09	0.86	1.46	0.79	<0.70	<0.70	<0.70	0.78	<0.70	0.78	<0.70	1.57	1.46	1.30	1.23	1.16	0.89	1.85	1.17	1.29	1.28	1.41	1.29
Inorganic Carbon (%)	-	-	-	0.10	<0.10	0.13	0.10	0.17	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.19	0.18	0.16	0.15	0.14	0.11	0.22	0.14	0.16	0.15	0.17	0.16
Total Carbon by Combustion (%)	-	-	-	0.1	6.5	5.9	6.2	7.0	7.2	6.9	2.5	1.8	1.7	3.7	2.9	1.5	35.3	35.3	38.0	39.4	40.1	38.5	30.6	32.0	31.2	31.6	32.3	31.9
Total Organic Carbon (%)	-	-	-	0.10	6.55	5.79	6.14	6.85	7.16	6.93	2.54	1.80	1.72	3.74	2.90	1.53	35.1	35.1	37.8	39.2	39.9	38.4	30.4	31.8	31.1	31.4	32.1	31.8
Metals																												
Aluminum	-	-	-	5.0	35200	32800	32800	31700	29600	27700	12200	9820	10300	15500	10900	8590	4470	4910	3580	3390	2470	2620	4590	4590	3920	4040	3530	3540
Antimony	20	-	-	0.10	0.74	0.77	0.77	0.67	0.78	0.70	0.14	0.11	<0.10	0.20	0.12	<0.10	0.22	0.19	0.14	0.14	<0.10	<0.10	0.27	0.10	0.12	0.16	<0.10	0.15
Arsenic	12	5.9	17.0	0.10	22.4	20.0	20.6	17.2	23.3	19.1	5.93	4.90	5.01	6.79	5.29	4.00	12.2	13.5	10.6	12.3	9.26	11.1	26.6	9.65	11.7	19.8	9.41	11.9
Barium	500	-	-	0.50	178	176	174	165	163	164	65.4	51.6	52.2	89.6	59.3	43.5	72.4	81.6	83.5	78.0	67.3	73.9	71.3	62.7	57.4	60.9	52.4	55.6
Beryllium	4	-	-	0.10	1.03	1.00	1.00	0.85	0.95	1.05	0.24	0.27	0.23	0.57	0.35	0.32	<0.10	<0.10	<0.10	0.13	0.11	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	
Bismuth	-	-	-	0.020	0.271	0.286	0.265	0.247	0.240	0.297	0.103	0.086	0.084	0.162	0.108	0.072	0.099	0.083	0.045	0.067	0.028	0.045	0.133	0.027	0.052	0.113	0.034	0.096
Boron	-	-	-	1.0	20.8	20.7	19.5	15.1	13.4	18.7	8.2	7.8	8.3	10.6	8.2	6.1	11.1	11.6	9.5	12.5	7.5	9.1	9.0	7.4	7.9	8.3	4.7	6.2
Cadmium	10	0.6	3.5	0.020	0.330	0.342	0.319	0.312	0.310	0.313	0.141	0.127	0.114	0.170	0.138	0.100	0.674	0.583	0.427	0.425	0.279	0.325	0.828	0.436	0.479	0.656	0.357	0.598
Calcium	-	-	-	100	9130	8880	8540	7560	7530	7270	3640	3210	3190	3990	3050	2610	15300	15900	13400	13700	9850	11600	14800	12200	11700	10100	9180	9330
Cesium	-	-	-	0.020	3.15	3.15	3.01	2.93	2.87	2.89	1.18	0.948	0.969	1.60	1.08	0.751	0.330	0.329	0.234	0.309	0.174	0.210	0.383	0.374	0.349	0.364	0.300	0.336
Chromium	64	37.3	90.0	1.0	77.6	78.0	77.5	70.8	66.4	65.6	30.9	25.7	25.4	38.4	25.4	18.9	8.6	8.2	6.6	6.5	4.3	5.2	11.2	9.7	9.4	13.2	7.3	6.6
Cobalt	50	-	-	0.020	18.4	18.2	17.8	17.5	16.7	16.1	8.15	7.16	7.65	9.87	6.99	5.97	4.05	3.89	3.06	3.57	2.52	2.87	7.08	5.66	6.07	6.71	5.10	5.28
Copper	63	35.7	197	1.0	32.7	32.7	31.9	31.0	30.1	30.6	12.9	10.5	10.3	17.6	12.2	8.9	27.4	23.0	22.0	24.2	17.7	20.3	19.8	10.7	12.8	16.3	9.6	10.9
Iron	-	-	-	25	49300	46800	46600	45100	46700	45600	20500	17300	17100	24500	17100	13200	4230	4430	3310	3350	2250	2750	24400	12300	11900	19100	10300	11000
Lead	140	35.0	91.3	0.20	16.3	16.5	15.9	14.2	14.6	17.2	6.37	5.49	5.47	9.30	6.61	4.75	14.4	11.0	5.76	7.44	2.10	4.31	16.0	2.94	5.50	10.3	2.93	10.9
Magnesium	-	-	-	10	14600	14700	13900	12200	11800	12100	5720	4710	4620	7160	4960	3860	1940	1960	1510	1600	1130	1230	1890	1510	1540	1370	1120	1120
Manganese	-	-	-	0.50	1570	1370	1390	1350	1660	1310	449	383	360	567	364	279	145	163	145	121	103	120	766	330	302	325	292	275
Mercury	6.6	0.17	0.486	0.050	0.079	0.078	0.075	0.062	0.064	0.057	<0.050	<0.050	<0.050	<0.050	<0.050	0.152	0.117	0.101	0.080	0.057	0.060	0.191	0.087	0.107	0.126	0.080	0.097	
Molybdenum	10	-	-	0.020	0.398	0.389	0.379	0.345	0.320	0.353	0.181	0.147	0.144	0.198	0.150	0.127	0.792	0.769	0.751	1.05	0.811	0.790	0.815	0.860	0.889	0.953	0.755	0.694
Nickel	50	-	-	0.50	45.2	45.3	44.1	44.7	42.6	42.7	17.6	14.6	14.3	23.7	16.5	11.7	10.4	9.43	7.78	9.47	6.55	7.89	12.9	10.6	10.4	14.3	9.05	9.74
Phosphorus	-	-	-	100	1,240	1,170	1,220	1000	1090	1050	690	670	720	680	580	530	910	710	710	580	380	470	1,780	550	630	710	370	440
Potassium	-	-	-	25	7010	7010	6770	5780	5390	5720	2560	2140	2100	3160	2100	1570	483	401	332	278	172	205	1270	422	432	466	250	349
Rubidium	-	-	-	0.020	69.8	71.7	67.2	75.1	70.2	59.1	24.3	19.5	19.3	32.0	21.3	14.9	3.21	3.23	2.25	2.63	1.54	1.87	3.92	3.30	3.03	3.36	2.74	3.17
Selenium	1	-	-	0.50	0.74	0.90	0.96	0.81	0.81	0.88	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.45	1.50	1.11	1.34	0.96	1.07	1.42	0.98	1.00	0.95	0.73	0.90
Silver	20	-	-	0.10	0.14	0.14	0.15	0.14	0.14	0.15	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium	-	-	-	10	423	409	406	360	333	332	186	174	180	228	162	151	82	90	89	77	55	63	133	75	76	85	63	61
Strontium	-	-	-	0.10	37.1	38.4	35.0	38.1	37.4	34.2	13.8	11.5	11.7	18.0	13.0	10.1	26.7	30.3	26.8	30.9	25.2	27.1	18.6	18.2	16.4	17.8	16.0	15.6
Tellurium	-	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium	1	-	-	0.10	0.34	0.34	0.33	0.28	0.29	0.34	0.15	0.12	0.13	0.20	0.14	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tin	50	-	-	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Titanium	-	-	-	0.50	1,420	1,330	1,350	1,340	1,270	1,290	619	568	534	788	574	446	88.4	92.8	64.5	83.9	42.1	50.4	106	89.8	84.0	78.0	68.6	67.3
Tungsten	-	-	-	0.050	0.119	0.122	0.130	0.115	0.177	0.133	0.078	0.345	0.073	0.131	0.080	0.065	0.111	0.065	<0.050	0.071	<0.050	0.058	0.162	<0.050	<0.050	0.136	<0.050	0.068
Uranium	23	-	-	0.020	1.84	1.85	1.82	1.68	1.65	2.00	0.933	0.969	1.12	1.26	1.08	0.977	0.374	0.476	0.381	0.554								

Table - 05: Detailed Sediment Chemistry Results, 2011-2012

Waterbody Station ID Date Replicate	CSQG-RP ^a	MSQSOG ^b		DL	Ghost Lake																		Nutt Lake						
		ISQG	PEL		GHL-01						GHL-02						GHL-03						NTL-01						
					20-May-11			14-Sep-11			20-May-11			14-Sep-11			20-May-11			14-Sep-11			28-May-11			14-Sep-11			
					A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	
Physical Tests																													
% Moisture	-	-	-	0.10	94.9	94.9	96.1	97.3	97.7	96.4	97.4	97.5	97.9	97.6	96.9	97.5	97.4	97.5	97.6	97.2	97.1	97.0	93.3	94.4	97.6	97.4	93.8		
% Sand (2.0mm - 0.05mm)	-	-	-	0.10	1.12	-	-	2.82	-	-	2.27	-	-	1.22	-	3.04	-	-	1.72	-	-	1.11	-	-	0.34	-	-		
% Silt (0.05mm - 2µm)	-	-	-	0.10	80.0	-	-	77.9	-	-	66.5	-	-	79.0	-	67.3	-	-	89.2	-	-	53.6	-	-	86.0	-	-		
% Clay (<2µm)	-	-	-	0.10	18.9	-	-	19.3	-	-	31.2	-	-	19.8	-	-	-	-	9.09	-	-	45.3	-	-	13.7	-	-		
Texture	-	-	-	-	Silt loam	-	-	Silt loam	-	-	Silty clay loam	-	-	Silt loam	-	-	-	Silty clay loam	-	-	Silt	-	-	Silty clay	-	-	Silt loam	-	-
Total Nitrogen by LECO (%)	-	-	-	0.020	2.49	2.60	2.98	2.87	2.55	2.80	3.11	3.38	3.13	2.97	3.03	2.92	3.00	3.16	3.01	3.03	2.99	2.95	2.81	3.15	3.10	3.11	3.05	3.05	
Phosphorus, Total	-	-	-	50	499	541	976	529	785	744	1180	1380	1060	599	943	668	970	1170	829	727	619	535	645	711	630	658	682	541	
CaCO ₃ Equivalent (%)	-	-	-	0.70	1.04	1.35	0.90	1.34	1.36	1.08	1.29	1.44	2.03	1.87	1.33	1.16	1.55	1.68	1.61	1.20	1.08	1.81	1.36	1.26	1.27	1.50	1.95	1.96	
Inorganic Carbon (%)	-	-	-	0.10	0.12	0.16	0.11	0.16	0.16	0.13	0.15	0.17	0.24	0.22	0.16	0.14	0.19	0.20	0.19	0.14	0.13	0.22	0.16	0.15	0.15	0.18	0.23	0.23	
Total Carbon by Combustion (%)	-	-	-	0.1	30.0	30.9	31.4	32.6	27.8	31.1	31.3	32.6	32.0	32.8	32.1	32.6	31.6	31.8	32.2	33.2	33.4	33.2	28.9	32.6	33.1	32.2	31.4	34.9	
Total Organic Carbon (%)	-	-	-	0.10	29.9	30.7	31.3	32.4	27.6	31.0	31.1	32.4	31.7	32.6	31.9	32.4	31.4	31.6	32.0	33.1	33.3	33.0	28.7	32.4	32.9	32.0	31.1	34.6	
Metals																													
Aluminum	-	-	-	5.0	5300	6230	5330	4690	4600	5430	5770	5210	5600	4690	5170	5220	5420	5570	4910	4750	3900	4300	4280	4980	4230	3550	3630	4620	
Antimony	20	-	-	0.10	<0.10	<0.10	0.40	0.24	0.41	0.51	0.74	0.70	0.67	<0.10	0.62	0.51	0.75	0.94	0.49	0.53	0.35	<0.10	0.30	0.16	0.22	0.35	0.33	<0.10	
Arsenic	12	5.9	17.0	0.10	18.3	23.8	35.9	39.5	45.4	44.6	56.1	61.1	56.9	37.9	48.8	46.6	56.6	63.0	44.8	44.0	29.3	31.7	8.12	4.75	5.67	11.2	10.5	3.22	
Barium	500	-	-	0.50	86.6	92.2	86.3	98.1	84.2	93.7	80.3	86.6	83.2	71.0	72.4	75.4	72.1	77.6	84.3	67.8	68.2	75.9	100	103	89.0	87.0	83.5	83.5	
Beryllium	4	-	-	0.10	0.14	0.12	0.16	<0.10	0.14	0.13	0.18	0.11	<0.10	0.13	0.15	0.11	0.15	0.23	0.10	0.12	<0.10	0.12	<0.10	<0.10	<0.10	0.12	<0.10	0.18	
Bismuth	-	-	-	0.020	0.033	0.035	0.243	0.101	0.188	0.230	0.272	0.228	0.262	0.030	0.274	0.321	0.275	0.291	0.192	0.229	0.311	0.030	0.129	0.069	0.080	0.207	0.183	0.033	
Boron	-	-	-	1.0	6.3	7.7	10.5	8.5	8.8	8.8	15.1	16.3	15.5	7.7	9.1	7.6	14.4	14.4	11.9	9.3	6.2	6.8	6.6	5.4	6.7	5.0	5.1	5.2	
Cadmium	10	0.6	3.5	0.020	0.233	0.276	1.03	0.380	0.936	1.06	1.68	1.77	1.68	0.278	1.08	0.898	1.88	2.47	0.976	1.19	0.528	0.243	0.740	0.575	0.646	1.06	0.976	0.491	
Calcium	-	-	-	100	7420	7990	8810	9800	9150	9050	9650	9830	10100	8510	8930	8950	9360	9650	10300	9240	7970	8240	10400	10100	10800	7960	7650	8600	
Cesium	-	-	-	0.020	0.424	0.541	0.479	0.471	0.449	0.563	0.498	0.433	0.474	0.390	0.482	0.499	0.467	0.493	0.429	0.405	0.372	0.409	0.443	0.515	0.452	0.405	0.426	0.410	
Chromium	64	37.3	90.0	1.0	10.8	12.2	10.6	8.3	8.1	9.5	11.1	10.0	11.1	8.3	8.8	9.5	10.5	10.9	10.6	9.1	8.1	9.0	8.6	10.5	9.4	5.4	5.1	7.3	
Cobalt	50	-	-	0.020	4.63	5.49	6.06	5.15	6.11	6.33	8.13	8.10	7.72	5.21	6.57	6.32	7.07	7.27	5.48	5.54	3.79	3.94	6.45	6.74	7.06	5.83	5.89	6.84	
Copper	63	35.7	197	1.0	20.0	25.4	31.6	25.2	32.5	33.1	50.6	52.0	49.3	27.4	38.8	31.7	52.7	65.0	39.6	39.4	22.1	25.0	17.1	17.5	16.1	18.2	17.0	14.5	
Iron	-	-	-	25	4670	5290	8290	5570	8120	8640	13000	15200	12700	5590	8840	8250	11600	12300	7740	7850	5400	5250	5730	6380	5520	5150	5210	5430	
Lead	140	35.0	91.3	0.20	1.56	1.89	30.6	7.25	27.2	31.7	55.1	57.7	54.2	2.32	33.4	24.5	59.7	88.2	29.3	36.3	12.7	2.32	14.6	6.95	10.0	29.7	26.0	3.23	
Magnesium	-	-	-	10	2190	2620	2900	2110	2300	2530	2960	2940	3010	1780	2180	2090	2810	3020	2680	2130	1580	1780	1350	1570	1390	992	977	1250	
Manganese	-	-	-	0.50	109	116	209	166	178	201	247	296	265	135	187	175	216	216	203	174	156	138	156	177	168	119	118	139	
Mercury	6.6	0.17	0.486	0.050	<0.050	<0.050	0.171	0.087	0.146	0.147	0.251	0.242	0.233	0.060	0.164	0.138	0.274	0.323	0.170	0.166	0.097	0.054	0.136	0.088	0.114	0.166	0.144	0.050	
Molybdenum	10	-	-	0.020	0.792	1.16	0.898	1.28	0.956	1.07	1.21	1.07	1.18	1.23	1.18	1.15	1.25	1.34	1.30	1.07	0.957	1.22	1.04	1.34	1.07	0.950	0.991	1.06	
Nickel	50	-	-	0.50	11.0	11.6	12.1	12.6	11.9	13.2	14.6	13.6	14.3	11.7	12.9	13.1	12.9	14.4	12.2	11.5	10.0	10.3	10.3	10.1	10.7	9.93	9.63	9.57	
Phosphorus	-	-	-	100	410	450	760	550	710	680	1,200	1,480	1,230	630	790	610	1,050	1,120	790	710	450	450	870	780	780	660	640	500	
Potassium	-	-	-	25	595	739	703	563	629	756	909	962	911	537	681	621	789	829	652	586	419	512	476	612	456	409	411	347	
Rubidium	-	-	-	0.020	6.23	7.62	6.46	5.67	5.64	7.63	7.01	6.22	6.77	5.03	6.22	6.43	6.37	6.53	5.56	4.71	4.47	5.41	3.41	4.64	3.63	3.81	4.15	3.59	
Selenium	1	-	-	0.50	0.78	0.98	1.11	1.11	1.21	1.21	1.68	1.60	1.50	1.17	1.45	1.27	1.56	1.73	1.17	1.40	0.97	1.02	1.57	1.35	1.42	1.11	1.12	1.22	
Silver	20	-	-	0.10	<0.10	<0.10	0.16	<0.10	0.18	0.22	0.30	0.35	0.30	<0.10	0.22	0.11	0.36	0.79	0.24	0.23	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Sodium	-	-	-	10	141	175	131	161	125	119	174	187	194	188	166	151	169	188	222	188	137	177	108	164	72	79	71	62	
Strontium	-	-	-	0.10	27.8	30.6	27.7	35.2	25.9	27.6	27.1	28.6	28.1	31.3	26.8	28.0	27.0	28.0	32.9	26.1	26.0	31.1	20.8	20.0	19.3	17.0	17.7	20.9	
Tellurium	-	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	0.15	0.13	<0.10	0.10	<0.10	0.16	0.18	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.16	0.15	<0.10
Thallium	1	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	0.11	0.11	<0.10	<0.10	<0.10	0.11	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	
Tin	50	-	-	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
Titanium	-	-	-	0.50	164	195	183	170	148	198	172	154	165	8															

Table - 05: Detailed Sediment Chemistry Results, 2011-2012

Waterbody Station ID Date Replicate	CSQG-RP ^a	MSQSOG ^b		DL	Threehouse Lake															Unnamed Lake 1								
		ISQG	PEL		THL-01						THL-02						THL-03			UL1-01								
					27-May-11			15-Sep-11			27-May-11			15-Sep-11			27-May-11			15-Sep-11			29-May-11			14-Sep-11		
					A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Physical Tests																												
% Moisture	-	-	-	0.10	97.5	97.8	97.3	98.3	98.2	97.5	97.7	96.5	97.7	97.8	97.7	97.6	96.8	97.5	98.0	97.5	97.8	96.8	97.3	92.6	97.3	97.7	97.4	
% Sand (2.0mm - 0.05mm)	-	-	-	0.10	0.96	-	-	5.54	-	-	0.69	-	-	2.18	-	-	3.33	-	-	2.47	-	-	0.86	-	-	3.26	-	
% Silt (0.05mm - 2µm)	-	-	-	0.10	60.7	-	-	82.8	-	-	54.0	-	-	87.6	-	-	33.9	-	-	84.3	-	-	52.6	-	-	81.9	-	
% Clay (<2µm)	-	-	-	0.10	38.4	-	-	11.7	-	-	45.3	-	-	10.3	-	-	62.7	-	-	13.2	-	-	46.5	-	-	14.8	-	
Texture	-	-	-	-	Silty clay loam	-	-	Silt	-	-	Silty clay	-	-	Silt	-	-	Clay	-	-	Silt loam	-	-	Silty clay	-	-	Silt loam	-	
Total Nitrogen by LECO (%)	-	-	-	0.020	3.29	2.93	3.15	3.39	3.51	3.58	3.10	2.94	3.05	3.27	3.19	3.29	3.04	3.39	3.22	3.16	3.26	3.47	3.16	3.31	2.99	3.29	3.28	3.36
Phosphorus, Total	-	-	-	50	879	805	739	787	977	794	927	820	895	849	885	878	677	855	1020	760	820	950	855	1060	679	984	1090	1160
CaCO ₃ Equivalent (%)	-	-	-	0.70	2.22	1.17	1.09	2.23	1.22	1.21	1.07	1.12	1.33	1.37	1.29	1.32	1.30	1.75	5.08	1.55	1.44	1.82	1.39	2.08	1.44	1.32	1.35	1.28
Inorganic Carbon (%)	-	-	-	0.10	0.27	0.14	0.13	0.27	0.15	0.15	0.13	0.13	0.16	0.16	0.15	0.16	0.16	0.21	0.61	0.19	0.17	0.22	0.17	0.25	0.17	0.16	0.16	0.15
Total Carbon by Combustion (%)	-	-	-	0.1	33.7	31.2	33.5	35.1	35.8	36.7	32.1	31.2	32.0	33.8	33.3	33.8	33.7	35.3	32.9	34.7	34.9	35.5	35.6	36.0	35.0	36.7	35.2	36.1
Total Organic Carbon (%)	-	-	-	0.10	33.5	31.1	33.4	34.8	35.6	36.5	32.0	31.1	31.8	33.6	33.2	33.6	33.5	35.1	32.3	34.5	34.7	35.3	35.4	35.8	34.8	36.6	35.1	36.0
Metals																												
Aluminum	-	-	-	5.0	3940	4490	4710	3200	2620	3340	4830	5240	4740	3800	3280	3190	5170	4120	4460	3860	3640	2710	4940	4470	5070	4250	3750	3930
Antimony	20	-	-	0.10	0.24	0.30	0.14	0.29	0.27	0.11	0.42	0.29	0.38	0.38	0.39	0.35	0.14	0.27	0.30	0.27	0.26	0.25	0.21	0.31	0.12	0.20	0.26	0.31
Arsenic	12	5.9	17.0	0.10	15.0	16.6	12.7	17.6	16.2	14.1	20.7	16.7	18.6	23.6	17.2	20.0	15.7	18.8	16.6	18.7	16.9	15.7	4.95	11.5	2.94	7.64	10.2	9.28
Barium	500	-	-	0.50	104	91.6	108	96.8	68.5	108	84.4	82.7	94.3	77.1	70.5	85.4	126	97.6	88.2	95.8	80.4	83.2	103	77.4	77.0	83.1	99.5	
Beryllium	4	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	0.17	<0.10	0.13	0.10	<0.10	<0.10	0.13	<0.10	0.12	<0.10	<0.10	<0.10	0.11	<0.10	<0.10
Bismuth	-	-	-	0.020	0.118	0.136	0.065	0.138	0.184	0.060	0.183	0.122	0.150	0.218	0.182	0.189	0.074	0.128	0.160	0.151	0.124	0.151	0.082	0.157	0.043	0.147	0.177	0.171
Boron	-	-	-	1.0	12.4	11.4	10.4	10.6	8.9	9.0	10.8	8.6	10.7	11.2	9.3	10.9	10.6	11.4	12.9	8.4	8.0	9.4	6.9	8.3	5.0	6.1	6.5	6.2
Cadmium	10	0.6	3.5	0.020	0.725	0.766	0.463	0.804	0.886	0.424	0.907	0.591	0.797	0.893	0.902	0.872	0.430	0.653	0.723	0.636	0.701	0.721	0.468	0.865	0.350	0.841	0.860	0.866
Calcium	-	-	-	100	10700	10500	10500	9260	8790	8940	9470	8770	10200	8590	8010	9010	11100	9980	10800	8400	9070	8230	10700	12700	9540	8700	9060	10600
Cesium	-	-	-	0.020	0.425	0.491	0.595	0.391	0.347	0.385	0.430	0.497	0.398	0.399	0.338	0.346	0.552	0.403	0.401	0.461	0.431	0.329	0.285	0.376	0.253	0.320	0.336	0.341
Chromium	64	37.3	90.0	1.0	10.5	11.7	14.5	5.8	5.9	8.2	11.3	13.0	10.9	6.7	7.4	5.3	14.5	10.6	9.4	12.9	8.6	4.9	6.0	7.5	5.7	3.9	3.7	5.0
Cobalt	50	-	-	0.020	3.43	3.75	4.52	3.67	3.32	3.41	4.65	5.13	4.65	4.60	4.23	4.18	4.76	3.70	3.63	4.14	3.74	3.19	7.25	7.20	6.59	6.88	6.20	6.73
Copper	63	35.7	197	1.0	17.4	17.6	17.9	20.5	19.6	16.2	21.2	18.7	20.3	19.8	20.6	21.7	17.0	16.1	16.1	14.4	14.7	15.5	41.9	41.1	35.4	42.6	39.0	42.4
Iron	-	-	-	25	7780	7350	7770	8130	4990	7280	11400	10600	13000	12300	10400	13300	11000	10700	8780	8410	9220	7350	4810	7370	4630	5170	5990	6230
Lead	140	35.0	91.3	0.20	18.7	21.1	7.20	22.9	26.9	6.82	23.5	12.0	18.6	23.2	22.1	22.7	7.11	15.1	17.4	15.3	18.7	18.1	9.14	23.4	4.71	19.6	25.3	21.4
Magnesium	-	-	-	10	2020	2140	2490	1700	1530	1750	1970	2030	1940	1510	1440	1440	2520	1950	1930	1790	1710	1510	1000	1450	1000	1090	988	1120
Manganese	-	-	-	0.50	177	142	160	250	114	160	246	223	294	216	197	240	245	307	212	173	223	154	190	256	166	173	183	232
Mercury	6.6	0.17	0.486	0.050	0.130	0.125	0.073	0.121	0.140	0.056	0.137	0.112	0.130	0.122	0.131	0.132	0.066	0.108	0.126	0.100	0.096	0.098	0.116	0.176	0.081	0.126	0.164	0.146
Molybdenum	10	-	-	0.020	0.826	0.921	1.09	0.755	0.836	1.20	1.03	0.968	0.942	0.927	0.818	0.828	1.19	0.819	0.777	0.812	0.649	0.694	0.690	0.812	0.704	0.786	0.679	0.781
Nickel	50	-	-	0.50	9.20	10.2	11.2	9.25	10.7	10.0	10.2	10.5	10.1	10.3	10.2	9.63	10.8	8.50	9.05	11.6	8.79	8.05	7.39	9.98	6.45	10.3	9.34	9.17
Phosphorus	-	-	-	100	930	910	750	840	900	650	1,000	810	1,100	830	880	880	750	990	1,060	700	650	910	830	1,290	710	940	990	1030
Potassium	-	-	-	25	945	820	945	710	538	734	782	775	811	642	541	618	912	866	751	665	726	580	394	679	335	554	499	480
Rubidium	-	-	-	0.020	5.37	5.90	7.65	4.88	4.29	5.71	5.25	5.58	4.79	5.04	4.42	4.38	7.13	4.92	4.60	6.01	5.55	4.18	2.77	4.38	2.42	3.99	4.08	4.18
Selenium	1	-	-	0.50	1.05	1.30	1.12	1.13	1.06	0.99	1.50	1.25	1.28	1.29	1.37	1.25	1.30	1.15	1.42	1.25	1.06	1.08	1.38	1.53	1.17	1.28	1.36	1.19
Silver	20	-	-	0.10	<0.10	<0.10	<0.10	0.13	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.13	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sodium	-	-	-	10	139	188	189	142	142	162	135	132	137	144	133	121	180	290	151	133	132	135	98	123	104	113	102	111
Strontium	-	-	-	0.10	25.6	23.9	28.2	22.3	21.0	30.0	22.5	20.4	23.2	21.6	19.7	21.5	32.2	25.8	23.6	23.2	21.0	22.4	16.9	20.0	17.3	18.0	17.6	19.8
Tellurium	-	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium	1	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Tin	50	-	-	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Titanium	-	-	-	0.50	136	150	209	113	79.2	141	127	149	123	98.5	94.4	90.5	194	120	112	127	131	79.5	76.2	83.3	77.0	62.7	71.2	81.7
Tungsten	-	-	-	0.050	0.118	0.146	0.092	0.157	0.196	0.106	0.141	0.118	0.141	0.139	0.156	0.182	0.097	0.125	0.114	0.116	0.135	0.127	<0.050	0.158	<0.050	0.132	0.247	0.160
Uranium	23	-	-	0.020	0.270	0.306	0.390	0.262	0.246	0.400	0.362	0.388	0.339	0.367	0.302	0.332	0.421	0.288	0.287	0.321	0.293	0.260	0.403	0.419	0.412	0.442	0.377	0.411
Vanadium	130	-	-	0.50	10.6	12.3	15.0	9.23	7.78	10.7	13.7	15.1	12.9	10.7	10.7	17.4	12.0	10.9	11.5	11.6								

Table - 05: Detailed Sediment Chemistry Results, 2011-2012

Waterbody	Station ID	Date	Replicate	CSQG-RP ^a	MSQSOG ^b		DL	Anderson Creek												Ghost Creek								
					ISQG	PEL		ANC-01						ANC-02						ANC-04			GHC-01					
								30-May-11			15-Sep-11			22-May-11			17-Sep-11			18-Jun-12			21-May-11			13-Sep-11		
								A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Physical Tests																												
% Moisture	-	-	-	0.10	29.9	36.0	33.8	37.4	34.3	30.9	60.0	46.0	40.6	64.9	44.6	61.2	49.2	67.0	30.7	87.2	86.1	82.7	93.9	99.0	96.4			
% Sand (2.0mm - 0.05mm)	-	-	-	0.10	17.0	-	-	27.8	-	-	17.7	-	-	24.7	-	-	19.8	-	-	26.8	-	-	21.5	-	-			
% Silt (0.05mm - 2µm)	-	-	-	0.10	13.0	-	-	20.6	-	-	12.5	-	-	20.6	-	-	13.3	-	-	66.5	-	-	78.0	-	-			
% Clay (<2µm)	-	-	-	0.10	70.0	-	-	51.6	-	-	69.8	-	-	54.7	-	-	66.9	-	-	6.64	-	-	0.56	-	-			
Texture	-	-	-	-	Clay	-	-	Clay	-	-	Clay	-	-	Clay	-	-	Clay	-	-	Silt loam	-	-	Silt loam	-	-			
Total Nitrogen by LECO (%)	-	-	-	0.020	0.059	0.145	0.070	0.059	0.045	0.055	0.297	0.297	0.199	0.372	0.215	0.330	0.068	0.064	0.654	1.63	1.98	1.92	1.78	2.25	2.48			
Phosphorus, Total	-	-	-	50	568	600	605	486	517	516	620	609	519	465	474	426	401	368	444	700	741	700	788	970	1480			
CaCO ₃ Equivalent (%)	-	-	-	0.70	8.16	8.13	7.32	6.06	6.69	6.57	1.37	1.26	<0.70	1.10	0.89	1.02	6.80	6.69	1.33	2.20	2.31	2.05	2.19	2.61	2.92			
Inorganic Carbon (%)	-	-	-	0.10	0.98	0.98	0.88	0.73	0.80	0.79	0.16	0.15	<0.10	0.13	0.11	0.12	0.82	0.80	0.16	0.26	0.28	0.25	0.26	0.31	0.35			
Total Carbon by Combustion (%)	-	-	-	0.1	1.5	2.6	1.4	1.6	1.4	1.6	4.3	3.8	2.4	6.9	3.1	7.7	1.8	1.6	8.7	35.5	40.0	38.5	34.0	37.6	37.3			
Total Organic Carbon (%)	-	-	-	0.10	0.48	1.60	0.55	0.86	0.59	0.77	4.11	3.62	2.37	6.74	3.03	7.57	0.96	0.80	8.54	35.3	39.7	38.2	33.7	37.3	36.9			
Metals																												
Aluminum	-	-	-	5.0	38800	34200	37500	4500	35900	33700	33000	34500	39800	33700	30500	35900	33100	30000	31900	3580	2800	2540	2530	1590	1730			
Antimony	20	-	-	0.10	0.77	1.97	0.88	1.19	0.83	0.83	3.13	4.63	0.61	4.97	3.19	0.26	0.9	0.66	15.6	0.16	0.22	0.18	0.17	0.23	0.24			
Arsenic	12	5.9	17.0	0.10	5.32	7.40	5.89	6.85	5.96	5.92	12.4	16.8	5.61	7.55	9.46	4.66	7.76	5.71	40.9	28.8	48.8	24.7	32.0	34.9	50.3			
Barium	500	-	-	0.50	168	144	160	145	173	164	149	144	181	141	133	161	211	189	140	63.5	60.3	42.3	41.8	39.7	47.7			
Beryllium	4	-	-	0.10	1.05	0.90	1.09	0.91	1.13	1.12	0.93	0.95	1.36	0.93	0.86	1.08	1.21	1.1	1.13	<0.10	0.16	<0.10	<0.10	<0.10	<0.10			
Bismuth	-	-	-	0.020	0.284	0.214	0.257	0.218	0.273	0.273	0.241	0.251	0.307	0.215	0.189	0.264	0.322	0.276	0.32	0.035	0.071	0.036	0.037	0.043	0.073			
Boron	-	-	-	1.0	17.2	17.3	17.5	15.4	16.6	17.2	28.3	30.0	27.3	13.3	14.7	12.5	19	20	22	19.0	19.1	18.0	6.3	5.2	8.6			
Cadmium	10	0.6	3.5	0.020	0.121	0.301	0.120	0.154	0.114	0.118	0.664	0.837	0.161	0.906	0.574	0.172	0.24	0.211	3.72	0.255	0.418	0.261	0.330	0.364	0.646			
Calcium	-	-	-	100	38200	31600	37900	22800	28700	30100	12100	11600	8700	10000	9960	9160	34800	29400	14200	14600	15100	13200	7790	6670	13000			
Cesium	-	-	-	0.020	3.29	2.61	3.03	2.69	3.23	3.09	3.07	3.22	3.72	2.78	2.47	3.11	3.34	3.02	3.32	0.147	0.175	0.157	0.122	0.089	0.099			
Chromium	64	37.3	90.0	1.0	75.9	67.1	74.6	63.7	74.3	72.3	80.6	84.9	90.8	77.3	72.9	73.8	92.9	87.5	87.9	6.6	6.4	6.5	14.1	10.2	11.9			
Cobalt	50	-	-	0.020	18.4	17.9	18.2	16.4	18.6	17.9	23.0	24.5	20.3	18.1	19.9	17.0	22.4	19.6	28.5	2.90	3.22	1.69	2.26	1.96	2.42			
Copper	63	35.7	197	1.0	37.0	37.2	37.5	35.7	36.4	35.9	52.0	57.5	35.5	43.8	43.9	27.5	47.2	41.8	165	24.6	26.4	18.2	33.3	29.7	36.5			
Iron	-	-	-	25	43900	39100	42800	4670	43500	41900	43600	45500	47600	38700	37500	40000	48500	40200	41400	8160	6430	3590	6580	3010	5150			
Lead	140	35.0	91.3	0.20	11.8	11.5	12.0	10.5	12.1	11.5	19.7	23.3	15.9	13.5	14.9	12.5	16	15.9	39.5	6.92	13.6	6.30	7.42	9.07	15.7			
Magnesium	-	-	-	10	22300	19900	20500	16200	18400	19000	14600	15000	17100	12800	12800	13500	18700	17500	14500	2270	2260	2110	1450	1250	1720			
Manganese	-	-	-	0.50	732	620	712	691	741	751	648	560	578	414	454	486	600	563	407	261	162	80.9	180	107	398			
Mercury	6.6	0.17	0.486	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.072	0.074	0.136	0.080	0.080	0.106	0.106			
Molybdenum	10	-	-	0.020	0.332	0.309	0.289	0.272	0.297	0.483	0.444	0.465	0.223	0.500	0.327	0.211	0.425	0.469	1.21	0.796	0.994	0.813	0.669	0.649	0.997			
Nickel	50	-	-	0.50	48.4	41.4	46.8	41.9	51.4	48.4	49.6	50.0	53.1	46.4	45.7	44.3	62	55.6	53.2	5.70	7.03	5.83	8.26	6.56	8.27			
Phosphorus	-	-	-	100	660	640	660	490	530	540	590	610	480	490	500	400	-	-	-	510	610	500	590	490	1180			
Potassium	-	-	-	25	7910	6890	7590	5840	6980	6700	6770	7050	8120	6330	5850	6110	6770	6370	6700	332	286	313	435	290	1540			
Rubidium	-	-	-	0.020	73.1	60.9	70.4	64.5	75.4	73.0	66.1	71.3	83.0	73.5	67.7	77.4	61.9	62.5	70.6	2.70	2.64	2.59	2.27	1.59	3.14			
Selenium	1	-	-	0.50	<0.50	0.90	0.52	0.52	<0.50	<0.50	1.55	1.96	<0.50	1.33	1.54	<0.50	0.81	0.77	6.71	0.65	0.74	<0.50	0.55	<0.50	0.65			
Silver	20	-	-	0.10	0.21	0.18	0.21	0.19	0.23	0.22	0.26	0.30	0.20	0.18	0.19	0.35	0.28	0.33	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10				
Sodium	-	-	-	10	682	562	618	524	570	542	511	550	436	407	436	386	491	552	530	79	88	97	96	80	679			
Strontium	-	-	-	0.10	54.1	45.2	51.5	44.4	53.3	51.8	41.5	43.5	42.5	42.7	38.3	40.3	47.7	45.4	46	41.6	48.8	48.4	22.2	38.9	29.1			
Tellurium	-	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.19	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Thallium	1	-	-	0.10	0.36	0.31	0.34	0.30	0.34	0.33	0.40	0.43	0.44	0.31	0.32	0.33	0.37	0.42	0.51	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Tin	50	-	-	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0			
Titanium	-	-	-	0.50	1,710	1,420	1,600	1,450	1,640	1,550	1,510	1,540	1,600	1,260	1,320	1,370	1,380	1,410	1,390	141	111	110	109	67.3	78.7			
Tungsten	-	-	-	0.050	0.097	0.126	0.106	0.134	0.123	0.129	0.175	0.188	0.108	0.155	0.141	0.110	0.129	0.108	0.446	0.112	0.131	0.102	0.138	0.118	0.175			
Uranium	23	-	-	0.020	1.15	1.06	1.11	1.01	1.08	1.13	1.60	1.56	1.48	1.49	1.32	1.49	1.08	1.51	1.7	0.562	0.432	0.369	0.393	0.228	0.273			
Vanadium	130	-	-	0.50	79.2	68.1	78.3	64.4	76.0	71.7	77.1	79.9	83.7	67.5	65.6	65.1	78.2	74.2	70.2	10.0	9.65	8.80						

Table - 05: Detailed Sediment Chemistry Results, 2011-2012

Waterbody	Station ID	Date	Replicate	CSQG-RP ^a	MSQSOG ^b		DL	Stall Creek																	
					ISQG	PEL		STC-01						STC-02						STC-03					
								25-May-11			16-Sep-11			30-May-11			15-Sep-11			30-May-11			15-Sep-11		
								A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Physical Tests																									
% Moisture	-	-	-	0.10	90.1	74.6	62.7	48.8	99.2	70.6	87.2	88.5	89.3	95.1	91.8	92.6	81.8	84.2	63.6	93.5	81.5	86.1			
% Sand (2.0mm - 0.05mm)	-	-	-	0.10	44.8	-	-	67.9	-	-	2.24	-	-	8.29	-	-	2.28	-	-	5.50	-	-			
% Silt (0.05mm - 2µm)	-	-	-	0.10	23.1	-	-	9.98	-	-	64.8	-	-	72.6	-	-	31.7	-	-	70.8	-	-			
% Clay (<2µm)	-	-	-	0.10	32.1	-	-	22.1	-	-	32.9	-	-	19.1	-	-	66.0	-	-	23.7	-	-			
Texture	-	-	-	-	Clay loam	-	-	Sandy clay loam	-	-	Silty clay loam	-	-	Silt loam	-	-	Clay	-	-	Silt loam	-	-			
Total Nitrogen by LECO (%)	-	-	-	0.020	0.608	0.688	0.396	0.145	0.137	0.543	1.69	1.99	1.93	1.62	1.95	2.25	0.899	1.27	0.726	1.14	1.03	0.989			
Phosphorus, Total	-	-	-	50	716	605	486	516	425	540	709	675	766	697	744	891	826	1200	728	882	835	703			
CaCO ₃ Equivalent (%)	-	-	-	0.70	0.96	0.88	0.76	0.92	<0.70	0.80	1.61	1.81	5.72	3.53	2.76	3.31	1.28	1.28	1.12	2.33	1.37	1.62			
Inorganic Carbon (%)	-	-	-	0.10	0.12	0.11	<0.10	0.11	<0.10	<0.10	0.19	0.22	0.69	0.42	0.33	0.40	0.15	0.15	0.13	0.28	0.16	0.19			
Total Carbon by Combustion (%)	-	-	-	0.1	9.7	10.9	6.4	2.0	2.0	8.5	28.3	36.2	34.5	30.9	39.4	39.5	11.5	17.0	10.3	16.1	15.4	14.6			
Total Organic Carbon (%)	-	-	-	0.10	9.54	10.8	6.44	1.91	2.01	8.47	28.1	35.9	33.8	30.5	39.0	39.1	11.3	16.9	10.2	15.9	15.3	14.4			
Metals																									
Aluminum	-	-	-	5.0	22800	21300	23800	26500	16100	19900	10300	7490	7590	4810	3430	2360	25900	20200	25900	18000	21400	22800			
Antimony	20	-	-	0.10	0.19	0.23	0.21	<0.10	<0.10	0.15	0.19	0.12	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.11	0.16	<0.10	<0.10			
Arsenic	12	5.9	17.0	0.10	26.4	21.3	15.9	3.52	6.61	14.8	4.13	2.57	2.40	1.99	1.80	2.60	3.74	4.29	3.11	7.10	2.85	3.16			
Barium	500	-	-	0.50	170	152	152	209	117	175	76.9	65.5	70.3	55.9	42.5	39.3	147	141	139	120	135	141			
Beryllium	4	-	-	0.10	0.60	0.63	0.69	0.68	0.33	0.47	0.27	0.24	0.34	0.22	0.12	<0.10	0.71	0.66	0.97	0.57	0.63	0.67			
Bismuth	-	-	-	0.020	0.138	0.131	0.142	0.145	0.084	0.097	0.116	0.087	0.102	0.069	0.048	0.039	0.235	0.213	0.234	0.197	0.152	0.164			
Boron	-	-	-	1.0	28.1	24.3	24.9	16.8	12.0	22.8	17.9	17.6	15.7	12.1	11.4	14.5	16.3	16.8	15.5	14.6	9.9	12.5			
Cadmium	10	0.6	3.5	0.020	1.13	2.02	2.10	0.172	0.471	1.30	0.652	0.350	0.398	0.218	0.293	0.316	0.142	0.194	0.169	0.303	0.157	0.197			
Calcium	-	-	-	100	11600	9440	9290	8270	5140	11700	16600	18700	18900	15300	15900	14600	10500	11000	9390	10600	9590	10700			
Cesium	-	-	-	0.020	1.60	1.57	1.81	1.99	1.23	1.46	1.10	0.765	0.801	0.484	0.299	0.244	2.53	2.01	2.65	1.92	1.93	2.10			
Chromium	64	37.3	90.0	1.0	41.7	42.0	49.4	59.3	37.8	82.9	25.3	17.7	20.7	12.6	8.8	6.3	61.0	49.1	63.7	50.4	47.5	51.8			
Cobalt	50	-	-	0.020	185	168	124	26.1	72.8	158	21.3	9.84	11.9	5.51	7.69	9.02	14.9	12.9	16.1	15.2	12.6	13.5			
Copper	63	35.7	197	1.0	329	336	262	43.0	93.3	271	66.3	33.5	41.5	17.6	26.4	31.6	27.1	26.1	24.8	28.2	22.2	24.2			
Iron	-	-	-	25	44000	30100	32000	34300	24600	29800	14000	9470	9820	6210	4110	4040	34400	29100	32900	36700	29600	26900			
Lead	140	35.0	91.3	0.20	9.69	9.26	9.31	7.52	5.37	6.94	5.66	4.40	5.15	3.41	2.72	2.66	10.5	8.89	10.9	9.41	7.45	8.23			
Magnesium	-	-	-	10	10900	10500	12000	10500	7710	7780	6950	5810	6090	3040	2470	2350	13300	11400	13600	8090	8580	8990			
Manganese	-	-	-	0.50	3,850	2,130	653	1040	705	3540	306	298	276	179	198	286	651	634	505	524	1120	783			
Mercury	6.6	0.17	0.486	0.050	0.058	0.054	<0.050	<0.050	<0.050	<0.050	0.070	0.065	0.065	<0.050	0.057	0.054	<0.050	0.053	<0.050	0.062	<0.050	<0.050			
Molybdenum	10	-	-	0.020	0.675	0.592	0.460	0.429	0.312	0.722	0.694	0.618	0.521	0.431	0.488	0.444	0.279	0.326	0.211	0.489	0.186	0.256			
Nickel	50	-	-	0.50	47.0	49.6	51.0	40.4	38.8	59.0	28.0	17.7	19.7	12.2	11.6	11.0	35.4	29.0	35.4	34.0	28.6	30.5			
Phosphorus	-	-	-	100	830	580	570	470	410	570	680	660	770	450	520	730	930	1,340	730	780	670	710			
Potassium	-	-	-	25	4010	4060	4620	4640	3410	3490	2100	1360	1500	885	547	661	5020	4590	4840	2990	3130	3850			
Rubidium	-	-	-	0.020	44.9	42.3	49.3	56.1	35.3	34.6	21.4	13.4	14.5	7.65	3.72	3.33	52.1	41.7	55.3	36.4	44.6	48.6			
Selenium	1	-	-	0.50	1.19	0.83	0.92	0.64	0.62	0.95	1.26	0.88	0.91	0.91	0.88	0.78	<0.50	<0.50	<0.50	0.61	<0.50	0.53			
Silver	20	-	-	0.10	0.11	0.12	0.14	0.17	<0.10	<0.10	0.14	0.11	0.12	<0.10	<0.10	<0.10	0.18	0.13	0.21	0.13	0.15	0.13			
Sodium	-	-	-	10	327	319	359	365	257	248	253	235	330	202	243	213	427	533	532	327	313	440			
Strontium	-	-	-	0.10	43.5	36.5	35.5	37.0	22.5	40.1	59.0	64.4	62.4	49.6	45.2	42.2	45.6	58.5	43.5	41.4	78.6	56.5			
Tellurium	-	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10			
Thallium	1	-	-	0.10	0.20	0.20	0.22	0.23	0.14	0.18	0.14	<0.10	0.10	<0.10	<0.10	<0.10	0.31	0.24	0.32	0.22	0.19	0.21			
Tin	50	-	-	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0			
Titanium	-	-	-	0.50	831	834	1,030	1,120	710	790	497	350	378	247	152	98.3	1,170	867	1,250	852	929	964			
Tungsten	-	-	-	0.050	0.215	0.171	0.185	0.109	0.136	0.149	0.094	0.073	0.081	0.052	0.051	<0.050	0.137	0.132	0.120	0.167	0.103	0.096			
Uranium	23	-	-	0.020	1.58	1.21	1.50	1.24	0.822	1.51	3.31	2.45	2.20	1.42	1.52	1.09	2.05	2.39	2.22	1.73	1.44	1.86			
Vanadium	130	-	-	0.50	54.6	51.4	57.9	60.2	45.2	41.9	25.1	18.5	20.1	13.8	8.37	6.16	54.8	46.3	56.8	38.6	40.1	44.1			
Zinc	200	123	315	10	1280	1520	1590	131	512	1080	469	158	209	75	142	183	96	97	108	117	79	84			
Zirconium	-	-	-	0.10	5.59	7.34	11.3	15.4	10.4	6.34	14.5	10.9	12.2	7.60	4.40	2.39	19.3	11.0	24.1	15.1	20.2	13.6			

Notes:
^a Canadian Council of Ministers of the Environment (CCME) Canadian Soil Quality Guidelines (CSQG) for Residential/Parkland Use (CCME, 2011b).
^b Manitoba Sediment Quality Guidelines (Williamson, 2011).
 All concentrations in milligrams per kilogram dry weight (mg/kg dw) except where noted.
 ISQG = interim sediment quality guideline; PEL = probable effects level; DL = detection limit; % = percent.

Exceeds CSQG Exceeds MWQSOG ISQG Exceeds MWQSOG PEL

Table - 05: Detailed Sediment Chemistry Results, 2011-2012

Waterbody Station ID Date Replicate	CSQG-RP ^a	MSQSOG ^b		DL	Tern Ditch						Threehouse Creek						Unnamed Creek 1					
		ISQG	PEL		TED-01						THC-01						UC1-01					
					20-May-11			13-Sep-11			21-May-11			13-Sep-11			21-May-11			13-Sep-11		
					A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
Physical Tests																						
% Moisture	-	-	-	0.10	85.0	86.7	87.7	91.5	90.6	91.4	63.3	80.7	83.0	89.0	94.7	93.8	76.4	26.8	48.8	80.4	83.2	99.9
% Sand (2.0mm - 0.05mm)	-	-	-	0.10	5.43	-	-	27.8	-	-	35.3	-	-	10.9	-	-	7.42	-	-	25.7	-	-
% Silt (0.05mm - 2µm)	-	-	-	0.10	76.1	-	-	66.7	-	-	24.4	-	-	58.9	-	-	53.7	-	-	31.9	-	-
% Clay (<2µm)	-	-	-	0.10	18.5	-	-	5.45	-	-	40.3	-	-	30.2	-	-	38.9	-	-	42.4	-	-
Texture	-	-	-	-	Silt loam	-	-	Silt loam	-	-	Clay loam / Clay	-	-	Silty clay loam	-	-	Silty clay loam	-	-	Clay	-	-
Total Nitrogen by LECO (%)	-	-	-	0.020	1.97	2.15	2.26	1.78	2.12	2.37	0.694	1.29	1.74	1.20	1.85	1.36	1.17	0.088	0.256	0.317	0.865	0.993
Phosphorus, Total	-	-	-	50	628	618	546	458	468	494	576	733	911	796	753	768	610	492	552	524	883	615
CaCO ₃ Equivalent (%)	-	-	-	0.70	1.56	1.54	2.28	2.89	2.20	2.53	2.26	1.21	1.93	2.47	2.75	2.07	1.68	3.54	0.86	0.98	1.43	1.45
Inorganic Carbon (%)	-	-	-	0.10	0.19	0.18	0.27	0.35	0.26	0.30	0.27	0.15	0.23	0.30	0.33	0.25	0.20	0.42	0.10	0.12	0.17	0.17
Total Carbon by Combustion (%)	-	-	-	0.1	35.2	39.2	41.3	35.2	42.1	38.2	14.3	26.1	33.4	21.5	35.9	27.8	22.6	1.7	4.9	4.94	15.3	18.2
Total Organic Carbon (%)	-	-	-	0.10	35.0	39.1	41.0	34.9	41.8	37.9	14.0	26.0	33.2	21.2	35.6	27.6	22.4	1.32	4.83	4.82	15.2	18.0
Metals																						
Aluminum	-	-	-	5.0	3830	2790	2200	2810	2050	2180	17100	13600	12700	15300	6550	8420	17100	26900	28900	19300	18400	17100
Antimony	20	-	-	0.10	0.18	0.14	0.12	0.12	0.13	<0.10	0.22	0.19	0.62	0.21	0.20	<0.10	0.16	0.13	0.17	0.11	0.16	0.12
Arsenic	12	5.9	17.0	0.10	3.35	3.88	3.40	3.10	2.87	4.11	29.9	29.3	10.2	21.2	39.0	7.57	13.6	5.71	7.44	5.87	26.1	6.38
Barium	500	-	-	0.50	57.8	75.0	93.8	55.8	52.8	53.0	125	114	116	142	75.1	106	161	168	176	138	181	129
Beryllium	4	-	-	0.10	<0.10	0.13	0.11	<0.10	<0.10	<0.10	0.57	0.54	0.49	0.50	0.18	0.33	0.54	0.99	0.80	0.47	0.57	0.61
Bismuth	-	-	-	0.020	0.043	0.051	0.036	0.027	0.031	0.049	0.132	0.111	0.117	0.108	0.073	0.073	0.137	0.184	0.205	0.112	0.148	0.126
Boron	-	-	-	1.0	11.5	7.1	18.4	9.0	8.5	23.1	20.8	22.0	18.3	15.0	9.4	7.4	26.4	24.2	11.5	15.3	13.4	
Cadmium	10	0.6	3.5	0.020	0.281	0.348	0.240	0.192	0.229	0.342	0.349	0.441	0.290	0.344	0.379	0.174	0.574	0.106	0.189	0.327	0.559	0.344
Calcium	-	-	-	100	19300	21800	22300	16600	18100	17700	17100	13600	15000	12900	13800	15400	18100	14300	10700	15800	16300	16000
Cesium	-	-	-	0.020	0.260	0.112	0.101	0.228	0.128	0.155	1.51	1.28	1.16	1.44	0.608	0.714	1.64	2.29	2.61	1.67	1.70	1.53
Chromium	64	37.3	90.0	1.0	8.0	3.8	3.5	5.5	4.1	4.4	45.2	36.8	31.3	52.8	15.8	24.5	41.9	69.3	71.2	46.1	45.3	50.5
Cobalt	50	-	-	0.020	2.49	2.08	1.83	2.03	1.42	2.25	11.5	9.89	6.64	9.23	4.64	4.62	16.1	16.4	16.2	9.31	18.8	9.01
Copper	63	35.7	197	1.0	15.8	21.6	15.2	12.6	12.0	12.4	37.7	39.6	28.6	36.4	26.9	18.0	40.9	33.5	40.7	33.6	38.1	33.5
Iron	-	-	-	25	6360	7730	7770	7700	3770	6930	23400	19500	16000	20400	10100	10600	22700	36500	39200	24500	40600	21400
Lead	140	35.0	91.3	0.20	4.97	4.05	2.77	2.73	3.17	5.70	9.79	8.96	7.13	7.83	6.64	4.87	9.88	10.3	11.0	7.59	10.7	7.94
Magnesium	-	-	-	10	2980	1990	2030	2050	1950	2150	8460	6260	5660	8510	3330	3850	7190	13200	11700	7560	8020	7580
Manganese	-	-	-	0.50	149	334	373	217	138	110	307	296	255	210	182	2260	596	636	724	1700	685	
Mercury	6.6	0.17	0.486	0.050	0.070	0.111	0.085	<0.050	0.056	0.067	0.066	0.080	0.078	<0.050	0.084	<0.050	0.124	<0.050	<0.050	0.071	0.098	0.067
Molybdenum	10	-	-	0.020	0.847	0.747	0.806	0.585	0.638	0.707	1.07	1.13	0.847	1.26	1.25	0.602	1.41	0.280	0.264	0.442	0.343	0.612
Nickel	50	-	-	0.50	7.04	4.27	3.51	4.68	4.19	5.18	29.6	24.7	20.3	32.6	12.3	16.0	28.4	41.4	40.9	26.7	29.5	28.8
Phosphorus	-	-	-	100	570	620	450	340	350	410	490	600	710	710	730	620	540	490	550	560	1030	630
Potassium	-	-	-	25	570	262	259	513	233	320	3430	2870	2330	4030	1370	2150	3200	5140	5230	3230	3570	3270
Rubidium	-	-	-	0.020	4.23	1.41	1.26	3.87	1.63	1.71	32.1	27.4	21.8	33.0	11.1	14.7	37.9	50.8	56.4	44.3	37.5	36.3
Selenium	1	-	-	0.50	0.84	1.26	1.31	0.63	1.02	0.97	<0.50	0.72	0.82	<0.50	0.68	<0.50	0.66	<0.50	<0.50	0.60	0.79	0.55
Silver	20	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.18	0.18	0.17	0.15	0.11	<0.10	0.16	0.21	0.21	0.14	0.13	0.12
Sodium	-	-	-	10	241	150	239	157	138	211	276	211	179	382	141	309	215	400	372	238	277	249
Strontium	-	-	-	0.10	43.4	50.5	49.6	36.3	41.3	46.0	33.3	40.1	44.0	39.1	42.5	45.8	36.2	29.5	31.2	31.9	32.2	29.9
Tellurium	-	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Thallium	1	-	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.23	0.19	0.16	0.23	<0.10	<0.10	0.24	0.31	0.32	0.21	0.25	0.21
Tin	50	-	-	5.0	<5.0	11.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Titanium	-	-	-	0.50	129	73.2	71.9	130	68.4	67.3	885	666	521	987	299	336	786	1,450	1,410	891	853	810
Tungsten	-	-	-	0.050	0.087	0.050	0.061	0.131	<0.050	0.055	0.164	0.132	0.138	0.243	0.075	0.066	0.149	0.121	0.126	0.110	0.188	0.138
Uranium	23	-	-	0.020	0.500	0.448	0.354	0.431	0.323	0.296	1.13	2.18	2.86	1.63	1.13	1.46	6.65	1.22	1.50	2.84	2.26	3.07
Vanadium	130	-	-	0.50	9.50	7.36	7.16	8.91	5.57	6.05	55.2	45.1	36.1	51.0	21.2	22.3	45.9	70.5	72.4	44.7	54.6	40.0
Zinc	200	123	315	10	110	53	35	46	80	74	176	219	90	175	153	63	776	137	257	246	1190	265
Zirconium	-	-	-	0.10	3.28	2.12	5.84	4.59	1.64	1.99	16.4	14.5	12.0	14.1	5.51	7.61	13.3	24.8	21.9	15.0	12.0	13.9

Notes:
^a Canadian Council of Ministers of the Environment (CCME) Canadian Soil Quality Guidelines (CSQG) for Residential/Parkland Use (CCME, 2011b).
^b Manitoba Sediment Quality Guidelines (Williamson, 2011).
 All concentrations in milligrams per kilogram dry weight (mg/kg dw) except where noted.
 ISQG = interim sediment quality guideline; PEL = probable effects level; DL = detection limit; % = percent.

Exceeds CSQG Exceeds MWQSOG ISQG Exceeds MWQSOG PEL

Table - 06: Summary Statistics of Physical and Chemical Constituents in Surficial Sediments, 2011

Waterbody Element	Anderson Bay					Arm Lake					Gaspard Lake					Ghost Lake					Nutt Lake					Threehouse Lake					Unnamed Lake 1				
	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max
Physical Characteristics																																			
Moisture	60	80.5	10.6	44.1	96.9	6	94.2	2.83	88.7	96.3	6	94.3	2.29	90.2	96.4	18	97	0.89	94.9	97.9	6	95.6	1.96	93.3	97.6	18	97.6	0.43	96.5	98.3	6	96.5	1.94	92.6	97.7
Sand (%)	20	13.4	22.3	0.47	66.5	2	1.8	0.34	1.56	2.04	2	1.48	0.28	1.28	1.67	6	2.03	0.81	1.12	3.04	2	0.73	0.54	0.34	1.11	6	2.53	1.77	0.69	5.54	2	2.06	1.7	0.86	3.26
Silt (%)	20	49	20.7	12.1	75.8	2	72.3	6.29	67.8	76.7	2	79.9	8.27	74	85.7	6	76.7	8.56	66.5	89.2	2	69.8	22.9	53.6	86	6	67.2	21.3	33.9	87.6	2	67.3	20.7	52.6	81.9
Clay (%)	20	37.6	13.6	21.3	64.1	2	25.9	5.94	21.7	30.1	2	18.7	8.63	12.6	24.8	6	21.3	8.1	9.09	31.2	2	29.5	22.3	13.7	45.3	6	30.3	21.8	10.3	62.7	2	30.7	22.4	14.8	46.5
Total Nitrogen	60	0.94	0.38	0.15	1.52	6	3.07	0.13	2.84	3.18	6	2.82	0.11	2.7	2.98	18	2.94	0.22	2.49	3.38	6	3.05	0.12	2.81	3.15	18	3.24	0.19	2.93	3.58	6	3.23	0.14	2.99	3.36
Total Phosphorus	60	821	161	520	1160	6	660	66.8	595	775	6	692	186	531	1000	18	820	261	499	1380	6	645	58.2	541	711	18	851	86.5	677	1020	6	971	177	679	1160
CaCO ₃	60	0.97	0.4	<0.70	2.18	6	1.27	0.24	0.89	1.57	6	1.38	0.24	1.17	1.85	18	1.4	0.31	0.9	2.03	6	1.55	0.33	1.26	1.96	18	1.64	0.93	1.07	5.08	6	1.48	0.3	1.28	2.08
Inorganic Carbon	60	0.09	0.07	<0.01	0.26	6	0.16	0.03	0.11	0.19	6	0.17	0.03	0.14	0.22	18	0.17	0.04	0.11	0.24	6	0.18	0.04	0.15	0.23	18	0.2	0.11	0.13	0.61	6	0.18	0.04	0.15	0.25
Total Carbon	60	9.36	4.15	1.5	17.4	6	37.8	2.04	35.3	40.1	6	31.6	0.62	30.6	32.3	18	31.8	1.34	27.8	33.4	6	32.2	1.99	28.9	34.9	18	33.8	1.57	31.2	36.7	6	35.8	0.63	35	36.7
Organic Carbon	60	9.27	4.13	1.53	17.2	6	37.6	2.05	35.1	39.9	6	31.4	0.62	30.4	32.1	18	31.6	1.34	27.6	33.3	6	32	1.97	28.7	34.6	18	33.6	1.56	31.1	36.5	6	35.6	0.65	34.8	36.6
Chemical Characteristics																																			
Aluminum	60	23912	5901	8590	35200	6	3573	975	2470	4910	6	4035	475	3530	4590	18	5116	561	3900	6230	6	4215	555	3550	4980	18	3963	808	2620	5240	6	4402	531	3750	5070
Antimony	60	2.21	2.86	<0.01	14.5	6	0.12	0.09	<0.01	0.22	6	0.13	0.09	<0.01	0.27	18	0.44	0.29	<0.01	0.94	6	0.23	0.13	<0.01	0.35	18	0.28	0.09	0.11	0.42	6	0.24	0.07	0.12	0.31
Arsenic	60	13.6	4.55	4	23.3	6	11.5	1.49	9.26	13.5	6	14.8	6.9	9.41	26.6	18	43.6	12.6	18.3	63	6	7.24	3.22	3.22	11.2	18	17.3	2.53	12.7	23.6	6	7.75	3.27	2.94	11.5
Barium	60	127	31.2	43.5	178	6	76.1	6.08	67.3	83.5	6	60.1	6.63	52.4	71.3	18	80.9	8.93	67.8	98.1	6	91	8.46	83.5	103	18	93.3	15.7	68.5	126	6	87.2	11.3	77	103
Beryllium	60	0.78	0.22	0.23	1.17	6	0.06	0.07	<0.01	0.13	6	<0.01	-	<0.01	<0.01	18	0.12	0.06	<0.01	0.23	6	<0.01	-	<0.01	0.18	18	<0.01	-	<0.01	0.17	6	<0.01	-	<0.01	0.11
Bismuth	60	0.22	0.06	0.07	0.3	6	0.06	0.03	0.03	0.1	6	0.08	0.04	0.03	0.13	18	0.2	0.1	0.03	0.32	6	0.12	0.07	0.03	0.21	18	0.14	0.04	0.06	0.22	6	0.13	0.05	0.04	0.18
Boron	60	19.7	10.2	5.8	71.5	6	10.2	1.85	7.5	12.5	6	7.25	1.56	4.7	9	18	10.3	3.42	6.2	16.3	6	5.67	0.77	5	6.7	18	10.27	1.38	8	12.9	6	6.5	1.09	5	8.3
Cadmium	60	0.61	0.39	0.1	1.49	6	0.45	0.15	0.28	0.67	6	0.56	0.17	0.36	0.83	18	1.03	0.66	0.23	2.47	6	0.75	0.23	0.49	1.06	18	0.72	0.16	0.42	0.91	6	0.71	0.24	0.35	0.87
Calcium	60	9087	2999	2610	15500	6	13292	2268	9850	15900	6	11218	2145	9180	14800	18	9053	792	7420	10300	6	9252	1349	7650	10800	18	9462	973	8010	11100	6	10217	1459	8700	12700
Cesium	60	2.41	0.59	0.75	3.15	6	0.26	0.07	0.17	0.33	6	0.35	0.03	0.3	0.38	18	0.46	0.05	0.37	0.56	6	0.44	0.04	0.41	0.52	18	0.42	0.07	0.33	0.6	6	0.32	0.04	0.25	0.38
Chromium	60	59.3	13.7	18.9	78	6	6.6	1.66	4.3	8.6	6	9.57	2.44	6.6	13.2	18	9.8	1.23	8.1	12.2	6	7.72	2.18	5.1	10.5	18	9.56	3.13	4.9	14.5	6	5.3	1.42	3.7	7.5
Cobalt	60	16.6	4.39	5.97	28.5	6	3.33	0.61	2.52	4.05	6	5.98	0.79	5.1	7.08	18	6.05	1.29	3.79	8.13	6	6.47	0.51	5.83	7.06	18	4.04	0.58	3.19	5.13	6	6.81	0.39	6.2	7.25
Copper	60	38.8	17.7	8.9	126	6	22.4	3.32	17.7	27.4	6	13.4	3.94	9.6	19.8	18	36.7	12.6	20	65	6	16.7	1.29	14.5	18.2	18	18.1	2.31	14.4	21.7	6	40.4	2.78	35.4	42.6
Iron	60	34345	7870	13200	49300	6	3387	837	2250	4430	6	14833	5657	10300	24400	18	8572	3165	4670	15200	6	5570	449	5150	6380	18	9431	2274	4990	13300	6	5700	1037	4630	7370
Lead	60	13.4	3.4	4.75	17.7	6	7.5	4.52	2.1	14.4	6	8.1	5.2	2.93	16	18	30.9	24.6	1.56	88.2	6	15.1	10.6	3.23	29.7	18	17.6	6.04	6.82	26.9	6	17.3	8.35	4.71	25.3
Magnesium	60	10985	2737	3860	16100	6	1562	347	1130	1960	6	1425	292	1120	1890	18	2423	467	1580	3020	6	1255	234	977	1570	18	1854	322	1440	2520	6	1108	176	988	1450
Manganese	60	735	302	279	1660	6	133	21.9	103	163	6	382	189	275	766	18	188	49.8	109	296	6	146	24.9	118	177	18	207	52.2	114	307	6	200	35.9	166	256
Mercury	60	0.06	0.02	<0.05	0.1	6	0.09	0.04	0.06	0.15	6	0.11	0.04	0.08	0.19	18	0.15	0.09	<0.05	0.32	6	0.12	0.04	0.05	0.17	18	0.11	0.03	0.06	0.14	6	0.13	0.03	0.08	0.18
Molybdenum	60	0.45	0.2	0.13	1.01	6	0.83	0.11	0.75	1.05	6	0.83	0.09	0.69	0.95	18	1.13	0.15	0.79	1.34	6	1.08	0.14	0.95	1.34	18	0.89	0.16	0.65	1.2	6	0.74	0.06	0.68	0.81
Nickel	60	37.6	9.1	11.7	53.8	6	8.59	1.42	6.55	10.4	6	11.2	2.01	9.05	14.3	18	12.4	1.33	10	14.6	6	10	0.43	9.57	10.7	18	9.9	0.95	8.05	11.6	6	8.77	1.52	6.45	10.3
Phosphorus	60	802	173	530	1240	6	627	191	380	910	6	747	521	370	1780	18	782	311	410	1480	6	705	132	500	870	18	863	130	650	1100	6	965	197	710	1290
Potassium	60	4940	1251	1570	7010	6	312	118	172	483	6	532	370	250	1270	18	689	150	419	962	6	452	90.3	347	612	18	742	129	538	945	6	490	121	335	679
Rubidium	60	53	14.3	14.9	75.1	6	2.46	0.7	1.54	3.23	6	3.25	0.39	2.74	3.9	18	6.11	0.89	4.47	7.6	6	3.87	0.5	3.41	4.64	18	5.31	0.94	4.18	7.65	6	3.64	0.82	2.42	4.4
Selenium	60	1.32	0.92	<0.50	3.84	6	1.24	0.22	0.96	1.5	6	1	0.23	0.73	1.42	18	1.27	0.27	0.78	1.73	6	1.3	0.18	1.11	1.57	18	1.21	0.14	0.99	1.5	6	1.32	0.13	1.17	1.53
Silver	60	0.15	0.07	<0.01	0.27	6	<0.01	-	<0.01	<0.01	6	<0.																							

Table - 06: Summary Statistics of Physical and Chemical Constituents in Surficial Sediments, 2011

Waterbody Element	Anderson Creek*					Ghost Creek					Stall Creek					Tern Ditch					Treehouse Creek					Unnamed Creek 1				
	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max
Physical Characteristics																														
Moisture	12	43.3	12.3	29.9	64.9	6	90.9	6.46	82.7	99	18	82.3	13.3	48.8	99.2	6	88.8	2.73	85	91.5	6	84.1	11.6	63.3	94.7	6	69.3	26.6	26.8	99.9
Sand (%)	4	21.8	5.3	17	27.8	2	24.2	3.75	21.5	26.8	6	21.8	27.8	2.24	67.9	2	16.6	15.82	5.43	27.8	2	23.1	17.3	10.9	35.3	2	16.6	12.9	7.42	25.7
Silt (%)	4	16.7	4.54	12.5	20.6	2	72.3	8.13	66.5	78	6	45.5	27.2	10	72.6	2	71.4	6.65	66.7	76.1	2	41.7	24.4	24.4	58.9	2	42.8	15.4	31.9	53.7
Clay (%)	4	61.5	9.75	51.6	70	2	3.6	4.3	0.6	6.6	6	32.7	17.2	19.1	66	2	12	9.23	5.45	18.5	2	35.3	7.14	30.2	40.3	2	40.7	2.47	38.9	42.4
Total Nitrogen	12	0.18	0.12	0.05	0.37	6	2.01	0.31	1.63	2.48	18	1.11	0.66	0.14	2.25	6	2.11	0.21	1.78	2.37	6	1.36	0.41	0.69	1.85	6	0.61	0.45	0.09	1.17
Total Phosphorus	12	534	65.2	426	620	6	897	303	700	1480	18	719	179	425	1200	6	535	74.5	458	628	6	756	108	576	911	6	613	141	492	883
CaCO ₃	12	4.08	3.28	<0.70	8.16	6	2.38	0.32	2.05	2.92	18	1.8	1.32	<0.70	5.72	6	2.17	0.53	1.54	2.89	6	2.12	0.53	1.21	2.75	6	1.66	0.97	0.86	3.54
Inorganic Carbon	12	0.49	0.4	<0.01	0.98	6	0.29	0.04	0.25	0.35	18	0.2	0.17	<0.01	0.69	6	0.26	0.06	0.18	0.35	6	0.26	0.06	0.15	0.33	6	0.2	0.12	0.1	0.42
Total Carbon	12	3.19	2.15	1.4	7.7	6	37.2	2.14	34	40	18	18.5	12.8	2	39.5	6	38.5	2.94	35.2	42.1	6	26.5	7.9	14.3	35.9	6	11.4	8.46	1.7	22.6
Organic Carbon	12	2.69	2.44	0.48	7.57	6	36.9	2.12	33.7	39.7	18	18.3	12.6	1.91	39.1	6	38.3	2.93	34.9	41.8	6	26.3	7.91	14	35.6	6	11.2	8.49	1.32	22.4
Chemical Characteristics																														
Aluminum	12	32667	9238	4500	39800	6	2462	731	1590	3580	18	16699	8366	2360	26500	6	2643	666	2050	3830	6	12278	4050	6550	17100	6	21283	5231	17100	28900
Antimony	12	1.94	1.64	0.26	4.97	6	0.2	0.03	0.16	0.24	18	<0.01	-	<0.01	0.23	6	0.12	0.06	<0.01	0.18	6	0.24	0.2	<0.01	0.62	6	0.14	0.02	0.11	0.17
Arsenic	12	7.82	3.53	4.66	16.8	6	36.6	10.6	24.7	50.3	18	7.13	7.35	1.8	26.4	6	3.45	0.47	2.87	4.11	6	22.9	12.2	7.57	39	6	10.9	8.04	5.71	26.1
Barium	12	155	14.7	133	181	6	49.2	10.2	39.7	63.5	18	119	49.5	39.3	209	6	64.7	16.5	52.8	93.8	6	113	22.3	75.1	142	6	159	21	129	181
Beryllium	12	1.03	0.14	0.86	1.36	6	<0.01	-	<0.01	0.16	18	0.49	0.25	<0.01	0.97	6	<0.01	-	<0.01	0.13	6	0.44	0.15	0.18	0.57	6	0.66	0.19	0.47	0.99
Bismuth	12	0.25	0.03	0.19	0.31	6	0.05	0.02	0.04	0.07	18	0.13	0.06	0.04	0.24	6	0.04	0.01	0.03	0.05	6	0.1	0.02	0.07	0.13	6	0.15	0.04	0.11	0.21
Boron	12	18.9	6.03	12.5	30	6	12.7	6.67	5.2	19.1	18	16.87	5.09	9.9	28.1	6	12.93	6.39	7.1	23.1	6	15.5	6.02	7.4	22	6	19.2	6.54	11.5	26.4
Cadmium	12	0.35	0.3	0.11	0.91	6	0.38	0.14	0.26	0.65	18	0.59	0.63	0.14	2.1	6	0.27	0.06	0.19	0.35	6	0.33	0.09	0.17	0.44	6	0.35	0.19	0.11	0.57
Calcium	12	20902	11836	8700	38200	6	11727	3592	6670	15100	18	12068	3766	5140	18900	6	19300	2304	16600	22300	6	14633	1521	12900	17100	6	15200	2517	10700	18100
Cesium	12	3.03	0.34	2.47	3.72	6	0.13	0.03	0.09	0.18	18	1.47	0.73	0.24	2.65	6	0.16	0.07	0.1	0.26	6	1.12	0.38	0.61	1.51	6	1.91	0.44	1.53	2.61
Chromium	12	75.7	7.28	63.7	90.8	6	9.28	3.29	6.4	14.1	18	40.4	21.2	6.3	82.9	6	4.88	1.68	3.5	8	6	34.4	13.5	15.8	52.8	6	54.1	12.9	41.9	71.2
Cobalt	12	19.2	2.4	16.4	24.5	6	2.41	0.57	1.69	3.22	18	49.13	63	5.51	185	6	2.02	0.37	1.42	2.49	6	7.75	2.88	4.62	11.5	6	14.3	4.11	9.01	18.8
Copper	12	40	8.13	27.5	57.5	6	28.1	6.53	18.2	36.5	18	94.7	115	17.6	336	6	14.93	3.63	12	21.6	6	31.2	8.24	18	39.6	6	36.7	3.62	33.5	40.9
Iron	12	39064	11226	4670	47600	6	5487	1953	3010	8160	18	24003	12552	4040	44000	6	6710	1547	3770	7770	6	16667	5435	10100	23400	6	30817	8863	21400	40600
Lead	12	14.1	3.85	10.5	23.3	6	9.84	3.9	6.3	15.7	18	7.08	2.67	2.66	10.9	6	3.9	1.23	2.73	5.7	6	7.54	1.75	4.87	9.79	6	9.57	1.45	7.59	11
Magnesium	12	16842	3196	12800	22300	6	1843	436	1250	2270	18	8337	3464	2350	13600	6	2192	392	1950	2980	6	6012	2204	3330	8510	6	9208	2569	7190	13200
Manganese	12	616	117	414	751	6	198	116	80.9	398	18	982	1089	179	3850	6	220	110	110	373	6	251	48.3	182	307	6	1100	705	596	2260
Mercury	12	<0.05	-	<0.05	<0.05	6	0.1	0.02	0.07	0.14	18	0.04	0.02	<0.05	0.07	6	0.07	0.03	<0.05	0.11	6	0.06	0.03	<0.05	0.08	6	0.07	0.04	<0.05	0.12
Molybdenum	12	0.35	0.1	0.21	0.5	6	0.82	0.15	0.65	1	18	0.45	0.17	0.19	0.72	6	0.72	0.1	0.59	0.85	6	1.03	0.26	0.6	1.26	6	0.56	0.44	0.26	1.41
Nickel	12	47.3	3.59	41.4	53.1	6	6.94	1.13	5.7	8.27	18	32.2	14.2	11	59	6	4.81	1.22	3.51	7.04	6	22.6	7.85	12.3	32.6	6	32.6	6.68	26.7	41.4
Phosphorus	12	549	82.6	400	660	6	647	266	490	1180	18	689	213	410	1340	6	457	116	340	620	6	643	92	490	730	6	633	199	490	1030
Potassium	12	6845	751	5840	8120	6	533	496	286	1540	18	3095	1537	547	5020	6	360	145	233	570	6	2697	953	1370	4030	6	3940	974	3200	5230
Rubidium	12	71.4	6.01	60.9	83	6	2.49	0.52	1.59	3.14	18	33.6	18.1	3.33	56.1	6	2.35	1.33	1.26	4.23	6	23.4	9.09	11.1	33	6	43.9	8.23	36.3	56.4
Selenium	12	0.8	0.63	<0.50	1.96	6	0.52	0.21	<0.5	0.74	18	0.72	0.32	<0.50	1.26	6	1.01	0.26	0.63	1.31	6	0.5	0.27	<0.50	0.82	6	0.52	0.22	<0.50	0.79
Silver	12	0.22	0.04	0.18	0.3	6	0.01	0	0.01	0.01	18	0.1	0.07	<0.01	0.21	6	<0.01	-	<0.01	<0.01	6	0.13	0.07	<0.01	0.18	6	0.16	0.04	0.12	0.21
Sodium	12	519	88.6	386	682	6	187	241	79	679	18	329	100	202	533	6	189	46.5	138	241	6	250	89.5	141	382	6	292	76.1	215	400
Strontium	12	45.8	5.45	38.3	54.1	6	38.2	10.7	22.2	48.8	18	47.9	13.2	22.5	78.6	6	44.5	5.35	36.3	50.5	6	40.8	4.42	33.3	45.8	6	31.8	2.4	29.5	36.2
Tellurium	12	<0.01	-	<0.01	<0.01	6	<0.01	-	<0.01	<0.01	18	<0.01	-	<0.01	<0.01	6	<0.01	-	<0.01	<0.01	6	<0.01	-	<0.01	<0.01	6	<0.01	-	<0.01	<0.01
Thallium	12	0.35	0.05	0.3	0.44	6	<0.01	-	<0.01	<0.01	18	0.16	0.1	<0.01	0.32	6	<0.01	-	<0.01	<0.01	6	0.14	0.11	<0.01	0.23	6	0.26	0.05	0.21	0.32
Tin	12	<5	-	<5	<5	6	<5	-	<5	<5	18	<5	-	<5	<5	6	<5	-	<5	11	6	<5	-	<5	<5	6	<5	-	<5	

Table - 07: Phytoplankton Abundance (n/L), 2011

Class	Waterbody	Anderson Bay (in Wekusko Lake)		Arm Lake		Gaspard Lake		Ghost Lake		Nutt Lake		Threehouse Lake		Unnamed Lake 1		
		Station	ANB-07	ANB-06	ARL-01		GSL-01		GHL-03		NTL-01		THL-02	THL-01	UL1-01	
		Species	24-May-11	16-Sep-11	29-May-11	14-Sep-11	28-May-11	14-Sep-11	20-May-11	14-Sep-11	28-May-11	14-Sep-11	27-May-11	15-Sep-11	29-May-11	14-Sep-11
Bacillariophyceae	<i>Cocconeis sp.</i>	-	6,200	-	-	-	-	-	1,000	-	1,000	-	-	-	-	
	<i>Cymbella sp.</i>	6,200	-	-	6,200	-	1,000	-	-	-	-	-	-	-	1,000	
	<i>Eunotia sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Gomphonema sp.</i>	-	-	-	1,000	-	-	-	-	-	-	-	-	-	-	
	<i>Gyrosigma sp.</i>	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Navicula sp.</i>	-	-	3,700	6,200	10,000	12,400	6,200	6,200	2,000	6,000	12,400	10,000	24,800	6,200	
	<i>Nitzschia sigmoidea</i>	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Nitzschia sp.</i>	74,400	18,600	6,200	3,000	6,200	6,200	6,200	12,400	24,800	6,200	18,600	-	24,800	6,200	
	<i>Pinnularia sp.</i>	-	-	-	-	-	-	-	-	6,000	-	-	-	1,000	-	
	<i>Rhoicosphenia sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	6,200	
	<i>Surirella sp.</i>	6,200	1,000	-	-	-	-	-	-	-	-	-	-	-	-	
	Sub-Total	88,800	25,800	9,900	16,400	16,200	19,600	12,400	19,600	32,800	13,200	31,000	10,000	50,600	19,600	
Chlorophyceae	<i>Ankistrodesmus falcatus</i>	-	-	-	-	-	-	-	-	-	-	-	-	8,000	-	
	<i>Ankistrodesmus sp.</i>	6,200	-	-	-	1,000	-	-	-	18,600	-	4,000	-	-	-	
	<i>Arthrodesmus sp.</i>	-	-	-	-	-	-	-	-	-	-	-	6,200	-	-	
	<i>Botryococcus sp.</i>	-	-	400	2,000	1,000	-	-	-	-	7,000	-	1,000	1,000	18,600	
	<i>Closterium sp.</i>	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Coelastrum sp.</i>	-	-	200	-	-	-	-	-	1,000	-	-	-	-	-	
	<i>Cosmarium sp.</i>	-	-	1,200	-	1,000	-	-	-	-	2,000	-	-	-	-	
	<i>Crucigenia quadrata</i>	-	-	6,400	-	-	-	-	-	-	-	-	-	-	-	
	<i>Crucigenia sp.</i>	-	-	-	-	-	-	-	-	-	72,000	-	-	322,400	-	
	<i>Crucigenia tetrapedia</i>	-	-	6,400	-	-	-	-	-	-	74,400	-	-	-	-	
	<i>Dictyosphaerium sp.</i>	-	-	400	-	-	-	-	-	-	6,200	-	-	-	-	
	<i>Elakatothrix sp.</i>	-	1,000	4,400	6,200	-	18,600	12,400	18,600	12,400	9,000	5,000	6,200	4,000	142,600	
	<i>Euastrum sp.</i>	-	-	200	1,000	-	-	-	-	1,000	-	-	-	-	-	
	<i>Kirchneriella sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Lagerheimia sp.</i>	12,400	6,200	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Monoraphidium sp.</i>	9,000	768,000	12,400	12,400	-	24,800	37,200	43,400	6,200	2,000	-	130,200	-	37,200	
	<i>Mougeotia sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Oocystis sp.</i>	-	-	-	-	-	-	-	1,000	-	6,200	-	-	1,000	6,200	
	<i>Pediastrum biradiatum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Pediastrum Boryanum</i>	1,000	-	-	-	-	-	-	-	-	-	-	-	1,000	-	
<i>Pediastrum privum</i>	-	-	-	-	-	-	-	1,000	-	-	-	-	-	-		
<i>Pediastrum tetras</i>	-	-	-	2,000	-	-	-	-	-	6,200	1,000	-	480,000	12,400		
<i>Planktosphaeria sp.</i>	-	9,000	200	-	-	-	-	6,200	2,000	-	1,000	6,000	12,400	1,000	24,800	

Table - 07: Phytoplankton Abundance (n/L), 2011

Class	Waterbody	Anderson Bay (in Wekusko Lake)		Arm Lake		Gaspard Lake		Ghost Lake		Nutt Lake		Threehouse Lake		Unnamed Lake 1		
		Station	ANB-07	ANB-06	ARL-01		GSL-01		GHL-03		NTL-01		THL-02	THL-01	UL1-01	
		Species	24-May-11	16-Sep-11	29-May-11	14-Sep-11	28-May-11	14-Sep-11	20-May-11	14-Sep-11	28-May-11	14-Sep-11	27-May-11	15-Sep-11	29-May-11	14-Sep-11
Chlorophyceae	<i>Pyramimonous sp.</i>	-	-	-	-	-	-	7,000	-	-	-	-	-	-	-	
	<i>Quadrigula sp.</i>	-	-	2,400	-	-	-	-	12,000	4,000	-	-	-	37,200	18,000	
	<i>Scenedesmus arcuatus</i>	-	-	-	-	-	-	-	-	-	16,000	-	-	16,000	-	
	<i>Scenedesmus quadricauda</i>	24,800	8,000	-	-	-	-	-	4,000	-	74,400	-	-	24,800	-	
	<i>Scenedesmus sp.</i>	6,200	-	29,800	37,200	24,800	24,800	24,800	8,000	272,800	322,400	2,000	4,000	235,600	322,400	
	<i>Scenedesmus spinosus</i>	-	-	-	-	-	-	-	24,800	-	24,800	-	-	-	-	
	<i>Spirogyra sp.</i>	-	-	-	1,000	-	-	-	-	-	-	-	-	-	-	
	<i>Spondylosium sp.</i>	-	-	-	1,000	-	-	-	-	-	1,000	-	-	-	-	
	<i>Staurastrum sp.</i>	-	1,000	200	-	-	-	-	-	-	-	-	1,000	-	-	
	<i>Tetraedron caudatum</i>	-	-	-	18,600	-	-	-	-	-	-	-	-	-	-	
	<i>Tetraedron minimum</i>	-	6,200	6,200	-	-	-	-	12,400	-	-	6,200	-	18,600	-	
	<i>Tetraedron sp.</i>	-	-	-	24,800	-	-	-	-	-	-	6,200	-	-	-	
	<i>Tetraedron trigonum</i>	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	
	Sub-Total	100,287	842,202	111,492	147,000	68,491	109,000	140,683	155,600	356,691	677,800	58,690	220,401	1,172,692	635,400	
Chrysophyceae	<i>Bitrichia sp.</i>	-	-	-	24,800	-	-	1,000	-	6,200	-	43,400	12,400	6,200	74,400	
	<i>Chrysosphaerella longispina</i>	-	-	-	-	-	-	-	-	-	-	-	-	12,400	-	
	<i>Dinobryon bavaricum</i>	49,600	2,000	-	6,200	31,000	-	-	6,200	241,800	130,200	480,000	86,800	37,200	93,000	
	<i>Dinobryon sp.</i>	55,800	-	24,800	24,800	12,400	43,400	62,000	24,000	93,000	18,600	480,000	12,400	384,000	99,200	
	<i>Dinobryon suecicum</i>	-	-	-	-	6,200	-	-	-	-	-	-	-	-	-	
	<i>Mallomonas sp.</i>	-	-	-	-	-	-	-	-	-	-	-	12,400	-	-	
	<i>Synura uvella</i>	-	-	-	-	-	-	24,800	-	-	-	-	-	-	-	
	small chrysophytes	1,344,000	3,360,000	2,304,000	7,104,000	1,248,000	6,240,000	4,896,000	6,912,000	5,952,000	9,504,000	4,800,000	16,320,000	3,264,000	12,192,000	
	Sub-Total	1,449,400	3,362,000	2,328,800	7,159,800	1,297,600	6,283,400	4,983,800	6,942,200	6,293,000	9,652,800	5,803,400	16,444,000	3,703,800	12,458,600	
Coccinodiscophyceae	<i>Cyclotella sp.</i>	2,000	24,800	-	-	12,000	-	-	-	-	-	-	-	-	-	
	<i>Melosira sp.</i>	31,000	68,200	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Rhizosolenia sp.</i>	31,000	-	-	-	-	6,200	-	12,400	-	-	-	-	-	-	
	<i>Stephanodiscus sp.</i>	-	17,000	-	-	-	-	-	-	-	-	-	-	-	-	
	Sub-Total	64,000	110,000	-	-	12,000	6,200	-	12,400	-	-	-	-	-	-	
Cryptophyceae	<i>Cryptomonas sp.</i>	18,600	68,200	18,600	43,400	2,000	62,000	155,000	18,600	80,600	198,400	49,600	68,200	18,600	62,000	
	<i>Rhodomonas sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Sub-Total	18,600	68,200	18,600	43,400	2,000	62,000	155,000	18,600	80,600	198,400	49,600	68,200	18,600	62,000
Cyanophyceae	<i>Anabaena planctonica</i>	-	12,400	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Anabaena sp.</i>	7,000	74,400	400	-	9,000	-	3,000	-	6,200	-	-	-	5,000	-	
	<i>Aphanizomenon sp.</i>	-	1,056,000	200	-	-	-	-	-	-	-	1,000	-	-	-	
	<i>Aphanocapsa sp.</i>	-	-	1,200	2,000	1,000	-	6,200	18,600	49,600	6,200	6,200	6,200	6,200	18,600	

Class	Waterbody	Anderson Bay (in Wekusko Lake)		Arm Lake		Gaspard Lake		Ghost Lake		Nutt Lake		Threehouse Lake		Unnamed Lake 1		
		Station	ANB-07	ANB-06	ARL-01		GSL-01		GHL-03		NTL-01		THL-02	THL-01	UL1-01	
		Species	24-May-11	16-Sep-11	29-May-11	14-Sep-11	28-May-11	14-Sep-11	20-May-11	14-Sep-11	28-May-11	14-Sep-11	27-May-11	15-Sep-11	29-May-11	14-Sep-11
Cyanophyceae	<i>Aphanothece sp.</i>	-	-	-	-	-	-	-	-	99,200	12,400	6,200	12,400	86,800	18,600	
	<i>Chroococcus sp.</i>	-	-	-	8,000	2,000	-	-	-	-	29,000	2,000	-	-	49,600	
	<i>Gomphosphaeria sp.</i>	-	6,200	2,500	1,000	-	6,200	-	-	4,000	18,600	3,000	18,600	-	55,800	
	<i>Limnothrix sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Lyngbya sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	2,000	-	
	<i>Merismopedia sp.</i>	-	-	79,400	-	-	32,000	8,000	8,000	99,200	4,608,000	-	99,200	2,628,800	9,984,000	
	<i>Microcystis sp.</i>	-	-	-	-	-	-	-	-	-	3,000	1,000	12,000	-	3,000	
	<i>Oscillatoria limosa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Oscillatoria sp.</i>	-	-	-	-	-	-	1,000	-	-	-	-	-	1,000	-	
	<i>Planktolyngbya sp.</i>	-	1,152,000	3,700	4,000	-	12,400	960,000	18,600	12,400	6,200	18,600	1,248,000	12,400	1,056,000	
	<i>Planktothrix sp.</i>	-	-	-	1,000	-	-	-	-	-	-	-	-	-	1,000	
	<i>Pseudanabaena limnetica</i>	-	-	-	-	-	-	1,440,000	-	-	-	-	-	-	-	
	<i>Pseudanabaena sp.</i>	12,400	480,000	2,500	12,400	-	18,600	3,000	99,200	-	6,200	2,000	31,000	6,200	49,600	
	<i>Radiocystis sp.</i>	-	-	-	-	-	-	-	-	-	-	2,000	-	18,600	-	
<i>Spirulina sp.</i>	-	-	200	6,200	-	-	-	-	-	-	-	-	-	-		
	Sub-Total	60,087	2,821,802	130,792	75,400	52,691	110,000	2,461,883	185,200	305,091	4,736,600	81,690	1,470,201	2,806,692	11,277,000	
Dinophyceae	<i>Ceratium hirundinella</i>	-	-	200	-	-	-	-	-	-	-	-	-	1,000	-	
	<i>Ceratium rhomvodes</i>	-	1,000	-	-	-	-	-	-	1,000	-	-	-	-	-	
	<i>Glenodinium sp.</i>	-	-	-	-	-	-	24,800	-	-	-	-	-	-	-	
	<i>Gymnodinium sp.</i>	-	1,000	800	6,200	12,400	31,000	-	6,200	4,000	12,400	3,000	6,200	1,000	12,400	
	<i>Peridinium sp.</i>	-	-	-	-	-	-	-	18,600	-	-	-	-	-	1,000	
	Sub-Total	-	2,000	1,000	6,200	12,400	31,000	24,800	24,800	5,000	12,400	3,000	6,200	2,000	13,400	
Euglenophyceae	<i>Euglena sp.</i>	1,000	1,000	-	-	-	-	1,000	-	-	-	-	-	1,000	1,000	
	<i>Phacus sp.</i>	-	-	-	-	-	-	1,000	-	-	-	-	-	-	-	
	<i>Trachelomonas sp.</i>	1,000	1,000	-	-	2,000	1,000	1,000	-	-	-	-	-	-	-	
	Sub-Total	2,000	2,000	-	-	2,000	1,000	3,000	-	-	-	-	-	1,000	1,000	
Fragilariophyceae	<i>Asterionella formosa</i>	11,000	142,600	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Diatoma sp.</i>	12,000	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Fragilaria crotonensis</i>	-	8,000	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Fragilaria sp.</i>	-	-	-	-	-	-	-	4,000	-	-	-	-	-	-	
	<i>Synedra acus</i>	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Synedra sp.</i>	241,800	6,200	1,200	6,200	68,200	12,400	198,400	18,600	18,600	-	105,400	24,800	12,400	1,000	
	<i>Tabellaria sp.</i>	-	55,800	-	1,000	-	-	4,000	-	-	-	-	-	-	-	
	Sub-Total	264,800	213,600	1,200	7,200	68,200	12,400	202,400	22,600	18,600	-	105,400	24,800	12,400	1,000	
	Grand Total	2,047,974	7,447,604	2,601,784	7,455,400	1,531,582	6,634,600	7,983,966	7,381,000	7,091,782	15,291,200	6,132,780	18,243,802	7,767,784	24,468,000	

Table - 07: Phytoplankton Abundance (n/L), 2011

Class	Waterbody	Anderson Creek	Ghost Creek	Stall Creek		Tern Ditch	Threehouse Creek	Unnamed Creek 1
	Station	ANC-02	GHC-01	STC-01	STC-02	TED-01	THC-01	UC1-01
	Species	22-May-11	21-May-11	22-May-11	17-Sep-11	20-May-11	21-May-11	21-May-11
Bacillariophyceae	<i>Cocconeis sp.</i>	6,200	-	-	-	-	-	-
	<i>Cymbella sp.</i>	-	-	-	-	-	-	-
	<i>Eunotia sp.</i>	-	4,000	-	200	-	800	-
	<i>Gomphonema sp.</i>	-	-	-	-	-	-	33,500
	<i>Gyrosigma sp.</i>	-	-	-	-	-	-	-
	<i>Navicula sp.</i>	18,600	12,400	1,000	5,000	12,400	1,200	3,700
	<i>Nitzschia sigmoidea</i>	-	-	1,000	-	6,200	-	-
	<i>Nitzschia sp.</i>	93,000	322,400	68,200	2,500	68,200	13,600	21,100
	<i>Pinnularia sp.</i>	-	-	1,000	-	-	-	-
	<i>Rhoicosphenia sp.</i>	-	6,200	-	-	-	-	-
	<i>Surirella sp.</i>	-	-	-	-	-	-	-
	Sub-Total	117,800	345,000	71,200	7,700	86,800	15,600	58,300
Chlorophyceae	<i>Ankistrodesmus falcatus</i>	-	-	-	-	-	-	-
	<i>Ankistrodesmus sp.</i>	-	62,000	1,000	-	-	-	-
	<i>Arthrodesmus sp.</i>	-	-	-	-	-	-	-
	<i>Botryococcus sp.</i>	-	-	-	-	-	-	-
	<i>Closterium sp.</i>	-	-	-	-	-	-	-
	<i>Coelastrum sp.</i>	-	-	-	-	-	-	-
	<i>Cosmarium sp.</i>	-	-	-	-	-	400	-
	<i>Crucigenia quadrata</i>	-	-	-	-	4,000	-	-
	<i>Crucigenia sp.</i>	-	-	-	-	16,000	9,900	-
	<i>Crucigenia tetrapedia</i>	-	24,800	-	-	-	-	-
	<i>Dictyosphaerium sp.</i>	-	-	-	-	6,200	2,500	-
	<i>Elakatothrix sp.</i>	-	6,200	-	-	-	5,000	-
	<i>Euastrum sp.</i>	-	-	-	-	-	-	-
	<i>Kirchneriella sp.</i>	-	-	-	-	8,000	-	-
	<i>Lagerheimia sp.</i>	-	-	-	-	-	-	-
	<i>Monoraphidium sp.</i>	1,000	6,200	-	-	12,400	8,700	-
	<i>Mougeotia sp.</i>	-	-	-	-	-	-	600
	<i>Oocystis sp.</i>	-	-	-	-	-	-	-
	<i>Pediastrum biradiatum</i>	-	-	1,000	-	-	-	-
	<i>Pediastrum Boryanum</i>	-	-	-	-	-	-	-
<i>Pediastrum privum</i>	-	-	-	-	-	-	-	
<i>Pediastrum tetras</i>	-	6,200	-	-	1,000	400	-	
<i>Planktosphaeria sp.</i>	-	1,000	-	-	2,000	-	-	

Table - 07: Phytoplankton Abundance (n/L), 2011

Class	Waterbody	Anderson Creek	Ghost Creek	Stall Creek		Tern Ditch	Threehouse Creek	Unnamed Creek 1
	Station	ANC-02	GHC-01	STC-01	STC-02	TED-01	THC-01	UC1-01
	Species	22-May-11	21-May-11	22-May-11	17-Sep-11	20-May-11	21-May-11	21-May-11
Chlorophyceae	<i>Pyramimonous sp.</i>	-	-	-	-	-	-	-
	<i>Quadrigula sp.</i>	-	-	-	-	-	5,000	-
	<i>Scenedesmus arcuatus</i>	-	-	8,000	-	-	-	-
	<i>Scenedesmus quadricauda</i>	-	49,600	-	-	-	-	-
	<i>Scenedesmus sp.</i>	8,000	37,200	-	-	24,800	5,000	-
	<i>Scenedesmus spinosus</i>	-	4,000	-	-	-	-	-
	<i>Spirogyra sp.</i>	-	-	-	-	-	-	-
	<i>Spondylosium sp.</i>	-	-	-	-	-	-	-
	<i>Staurastrum sp.</i>	-	-	-	-	-	-	-
	<i>Tetraedron caudatum</i>	-	6,200	-	-	-	-	-
	<i>Tetraedron minimum</i>	-	18,600	-	-	6,200	2,500	-
	<i>Tetraedron sp.</i>	-	-	-	-	-	-	-
	<i>Tetraedron trigonum</i>	-	-	-	-	-	-	-
	Sub-Total	49,685	262,684	50,685	-	121,283	80,084	41,284
Chrysophyceae	<i>Bitrichia sp.</i>	-	-	-	-	6,200	3,700	-
	<i>Chrysosphaerella longispina</i>	-	-	-	-	-	-	-
	<i>Dinobryon bavaricum</i>	-	-	-	-	6,200	12,400	-
	<i>Dinobryon sp.</i>	31,000	24,800	18,600	-	62,000	47,100	-
	<i>Dinobryon suecicum</i>	-	-	-	-	-	-	-
	<i>Mallomonas sp.</i>	-	-	-	-	-	-	-
	<i>Synura uvella</i>	-	148,800	-	-	-	-	-
	small chrysophytes	480,000	4,320,000	2,304,000	96,000	7,200,000	480,000	326,400
	Sub-Total	511,000	4,493,600	2,322,600	96,000	7,274,400	543,200	326,400
Coccinodiscophyceae	<i>Cyclotella sp.</i>	6,200	-	-	-	-	200	-
	<i>Melosira sp.</i>	-	-	-	-	-	-	-
	<i>Rhizosolenia sp.</i>	-	-	-	-	-	-	-
	<i>Stephanodiscus sp.</i>	-	-	-	-	-	-	-
	Sub-Total	6,200	-	-	-	-	200	-
Cryptophyceae	<i>Cryptomonas sp.</i>	31,000	254,200	6,200	-	-	9,900	2,500
	<i>Rhodomonas sp.</i>	-	-	-	-	-	2,500	-
	Sub-Total	31,000	254,200	6,200	-	-	12,400	2,500
Cyanophyceae	<i>Anabaena planctonica</i>	-	-	-	-	-	-	-
	<i>Anabaena sp.</i>	-	-	-	-	-	-	-
	<i>Aphanizomenon sp.</i>	4,000	-	-	-	-	-	-
	<i>Aphanocapsa sp.</i>	-	5,000	-	-	-	3,700	-

Table - 07: Phytoplankton Abundance (n/L), 2011

Class	Waterbody	Anderson Creek	Ghost Creek	Stall Creek		Tern Ditch	Threehouse Creek	Unnamed Creek 1
	Station	ANC-02	GHC-01	STC-01	STC-02	TED-01	THC-01	UC1-01
	Species	22-May-11	21-May-11	22-May-11	17-Sep-11	20-May-11	21-May-11	21-May-11
Cyanophyceae	<i>Aphanothece sp.</i>	-	-	37,200	-	1,000	-	-
	<i>Chroococcus sp.</i>	-	-	-	-	-	-	-
	<i>Gomphosphaeria sp.</i>	-	5,000	-	-	6,200	-	-
	<i>Limnothrix sp.</i>	-	384,000	-	-	-	-	-
	<i>Lyngbya sp.</i>	-	-	-	-	-	-	-
	<i>Merismopedia sp.</i>	-	24,000	-	-	99,200	-	-
	<i>Microcystis sp.</i>	-	-	-	-	-	-	-
	<i>Oscillatoria limosa</i>	-	-	-	-	-	200	-
	<i>Oscillatoria sp.</i>	-	-	-	-	-	800	-
	<i>Planktolyngbya sp.</i>	-	576,000	18,600	7,400	-	403,200	-
	<i>Planktothrix sp.</i>	-	-	-	-	-	-	3,700
	<i>Pseudanabaena limnetica</i>	-	-	-	-	-	-	-
	<i>Pseudanabaena sp.</i>	37,200	480,000	-	-	31,000	1,200	288,000
	<i>Radiocystis sp.</i>	-	-	-	-	-	-	-
	<i>Spirulina sp.</i>	-	-	-	-	1,000	400	-
	Sub-Total	81,885	1,514,684	96,485	48,203	179,083	450,184	332,384
Dinophyceae	<i>Ceratium hirundinella</i>	-	-	-	-	-	-	-
	<i>Ceratium rhomvuides</i>	-	-	-	-	-	-	-
	<i>Glenodinium sp.</i>	24,800	2,000	-	-	-	-	-
	<i>Gymnodinium sp.</i>	-	-	-	-	-	3,700	-
	<i>Peridinium sp.</i>	-	-	-	-	1,000	400	-
		Sub-Total	24,800	2,000	-	-	1,000	4,100
Euglenophyceae	<i>Euglena sp.</i>	2,000	-	2,000	-	-	-	2,500
	<i>Phacus sp.</i>	-	-	-	-	-	-	-
	<i>Trachelomonas sp.</i>	-	-	-	-	-	-	3,700
		Sub-Total	2,000	-	2,000	-	-	-
Fragilariophyceae	<i>Asterionella formosa</i>	-	-	-	-	-	-	-
	<i>Diatoma sp.</i>	49,600	-	-	-	-	-	-
	<i>Fragilaria crotonensis</i>	-	-	-	-	37,200	-	-
	<i>Fragilaria sp.</i>	-	-	-	800	-	-	-
	<i>Synedra acus</i>	-	-	-	200	-	-	-
	<i>Synedra sp.</i>	744,000	6,200	18,600	-	62,000	5,000	1,200
	<i>Tabellaria sp.</i>	12,400	6,200	1,000	400	-	26,000	-
		Sub-Total	806,000	12,400	19,600	1,400	99,200	31,000
	Grand Total	1,630,370	6,884,568	2,568,770	153,303	7,761,766	1,136,768	768,268

Table - 08: Zooplankton Abundance (n/L), 2011

Class	Waterbody	Anderson Bay (in Wekusko Lake)		Arm Lake		Gaspard Lake		Ghost Lake		Nutt Lake		Threehouse Lake		Unnamed Lake 1		
		Station	ANB-07	ANB-06	ARL-01		GSL-01		GHL-03		NTL-01		THL-02	THL-01	UL1-01	
		Species	24-May-11	16-Sep-11	29-May-11	14-Sep-11	28-May-11	14-Sep-11	20-May-11	14-Sep-11	28-May-11	14-Sep-11	27-May-11	15-Sep-11	29-May-11	14-Sep-11
Bdelloidea	<i>Rotaria sp.</i>	-	-	-	0.23	-	-	-	-	-	-	-	-	-	-	
Branchiopoda	<i>Alona sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	
	<i>Alonella sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Bosmina sp.</i>	-	10.8	-	0.70	0.05	0.70	-	1.64	0.38	2.72	0.19	0.47	-	0.05	
	<i>Ceriodaphnia sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Chydorus sp.</i>	-	1.64	-	-	-	-	-	-	-	-	-	-	-	0.05	
	<i>Daphnia sp.</i>	-	-	0.09	-	-	-	-	-	0.09	0.14	-	-	-	0.56	4.37
	<i>Diaphanosoma sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Holopedium sp.</i>	-	-	0.14	-	-	-	-	-	-	0.85	-	0.47	-	1.50	2.49
	Unidentified	-	-	-	0.47	-	-	-	0.25	-	-	-	0.05	-	-	-
	Sub-total	-	12.4	0.23	1.17	0.05	0.70	0.25	1.64	0.47	3.71	0.23	0.94	2.07	7.04	
Ciliata	<i>Codonella sp.</i>	0.02	1.41	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Epistylis sp.</i>	-	32.9	0.28	-	-	1.41	-	-	1.69	15.0	-	-	-	-	
	<i>Strobilidium sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Trachelius sp.</i>	-	-	-	-	0.05	-	-	-	-	-	-	1.41	-	-	
	<i>Vorticella sp.</i>	0.14	12.2	-	-	4.32	136.6	1.25	13.6	3.00	18.1	12.9	56.3	9.95	91.0	
	Unidentified	-	-	-	-	0.19	-	-	0.23	0.09	-	-	-	-	-	
		Sub-total	0.16	46.5	0.28	-	4.55	138.0	1.25	13.8	4.79	33.1	12.9	57.7	9.95	91.0
Copepoda	<i>Cyclops sp.</i>	0.07	0.70	0.42	-	0.23	-	-	0.23	-	1.03	0.23	-	-	-	
	<i>Diaptomus sp.</i>	-	0.23	4.18	0.23	0.09	0.23	-	0.70	-	7.23	-	0.23	-	-	
	<i>Epischura sp.</i>	-	-	0.61	-	0.33	-	-	-	3.00	0.05	1.83	-	-	-	
	Nauplii	1.81	2.82	2.35	7.51	3.10	1.64	18.0	7.28	5.16	3.29	3.66	7.51	3.19	0.75	
	Unidentified	0.14	1.41	0.19	-	0.28	0.23	9.50	0.47	1.69	-	1.64	0.23	0.09	-	
		Sub-total	2.02	5.16	7.75	7.75	4.04	2.11	27.5	8.69	9.86	11.6	7.37	7.98	3.29	0.75
Euglenoidea	<i>Euglena sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Eutardigrada	Unidentified	-	-	-	-	-	-	-	-	0.09	-	-	-	-	-	
Heliozoa	<i>Actinosphaerium sp.</i>	-	-	-	-	-	-	-	-	-	0.14	-	0.23	-	0.14	
Insecta	<i>Chaoborus sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	
	Unidentified	-	-	-	-	-	-	-	-	-	-	-	-	0.09	-	
		Sub-total	-	-	-	-	-	-	-	-	-	-	-	-	0.09	0.05
Lobosa	<i>Diffugia sp.</i>	-	-	-	-	-	0.23	-	-	0.19	-	-	-	0.09	0.56	

Table - 08: Zooplankton Abundance (n/L), 2011

Class	Waterbody	Anderson Bay (in Wekusko Lake)		Arm Lake		Gaspard Lake		Ghost Lake		Nutt Lake		Threehouse Lake		Unnamed Lake 1		
		Station	ANB-07	ANB-06	ARL-01		GSL-01		GHL-03		NTL-01		THL-02	THL-01	UL1-01	
		Species	24-May-11	16-Sep-11	29-May-11	14-Sep-11	28-May-11	14-Sep-11	20-May-11	14-Sep-11	28-May-11	14-Sep-11	27-May-11	15-Sep-11	29-May-11	14-Sep-11
Monogononta	<i>Anuraeopsis sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Ascomorpha sp.</i>	0.02	0.47	-	-	-	-	-	-	-	-	-	0.47	-	0.66	
	<i>Asplanchna sp.</i>	0.16	0.70	0.05	0.47	0.09	2.35	-	-	-	0.19	0.09	8.45	0.28	0.23	
	<i>Brachionus quadridentatus</i>	-	-	-	-	-	-	-	0.23	-	-	-	-	-	-	
	<i>Brachionus sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	0.09	
	<i>Cephalodella sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Collotheca sp.</i>	-	0.23	-	1.17	-	1.88	-	-	-	11.5	0.14	5.63	-	0.09	
	<i>Colurella sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Conochilus sp.</i>	0.31	10.8	67.4	11.0	34.3	15.0	7.25	20.7	57.8	10.4	21.5	16.4	10.3	0.85	
	<i>Euchlanis sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Gastropus sp.</i>	-	0.47	0.05	3.05	0.61	7.04	0.13	2.35	2.07	0.05	0.05	0.47	3.00	3.19	
	<i>Kellicottia longispina</i>	0.75	8.0	14.5	15.0	6.48	41.8	1.25	33.1	8.36	26.8	7.00	95.3	1.69	0.85	
	<i>Keratella sp.</i>	1.41	100.0	19.0	46.9	76.4	188.3	23.8	16.4	19.9	2.54	22.3	25.4	120.6	61.4	
	<i>Lecane sp.</i>	-	-	-	-	-	-	-	0.23	0.09	-	0.05	-	-	-	
	<i>Lepadella sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Monostyla sp.</i>	0.02	-	0.05	0.23	-	-	-	-	0.19	0.09	0.09	0.70	-	-	
	<i>Mytilina sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Notholca sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	<i>Ploesoma sp.</i>	-	-	-	-	-	-	0.13	0.23	-	-	0.09	-	0.75	-	
	<i>Polyarthra sp.</i>	3.12	16.9	6.85	1.64	0.66	14.08	20.5	11.3	13.33	0.28	1.22	5.63	4.88	1.22	
<i>Synchaeta sp.</i>	-	-	-	0.94	0.94	-	-	-	-	0.42	0.05	0.23	-	0.14		
<i>Trichocerca sp.</i>	-	0.23	-	-	-	-	0.13	0.70	-	-	-	0.47	0.94	-		
<i>Trichotria sp.</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05		
Unidentified	-	-	-	-	-	-	-	-	-	-	0.14	-	-	-		
	Sub-total	5.80	137.8	107.8	80.5	119.5	270.4	53.1	85.2	101.8	52.2	52.8	159.2	142.4	68.8	
Arachnida	Unidentified	-	-	-	-	-	-	-	-	-	0.05	-	-	-	-	
Nematoda	Unidentified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ostracoda	Unidentified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rotifera	Unidentified	0.28	0.23	-	0.94	0.09	-	-	0.23	-	0.05	-	-	-	0.75	
	Grand Total	40695.3	41004.1	40808.1	40890.6	40819.2	41211.5	40765.1	40909.6	40808.2	40900.8	40763.2	41027.1	40849.9	40969.1	

Table - 08: Zooplankton Abundance (n/L), 2011

Class	Waterbody	Anderson Creek	Ghost Creek	Stall Creek		Tern Ditch	Threehouse Creek	Unnamed Creek 1
	Station	ANC-02	GHC-01	STC-01	STC-02	TED-01	THC-01	UC1-01
	Species	22-May-11	21-May-11	22-May-11	17-Sep-11	20-May-11	21-May-11	21-May-11
Bdelloidea	<i>Rotaria sp.</i>	-	-	-	-	-	-	-
Branchiopoda	<i>Alona sp.</i>	-	-	0.07	-	-	0.07	-
	<i>Alonella sp.</i>	-	-	-	-	0.07	-	-
	<i>Bosmina sp.</i>	-	-	-	-	0.60	0.47	-
	<i>Ceriodaphnia sp.</i>	-	-	-	-	-	0.13	-
	<i>Chydorus sp.</i>	-	-	0.13	0.01	-	-	-
	<i>Daphnia sp.</i>	-	-	0.27	-	0.33	-	-
	<i>Diaphanosoma sp.</i>	-	-	-	-	0.13	-	-
	<i>Holopedium sp.</i>	-	-	-	-	-	-	-
	Unidentified	-	-	-	-	-	-	-
	Sub-total	-	-	0.47	0.01	1.13	0.67	-
Ciliata	<i>Codonella sp.</i>	-	-	-	-	-	-	40
	<i>Epistylis sp.</i>	-	-	-	-	-	-	-
	<i>Strobilidium sp.</i>	-	-	-	-	-	-	40
	<i>Trachelius sp.</i>	-	-	-	-	-	0.13	-
	<i>Vorticella sp.</i>	-	-	-	-	-	0.07	-
	Unidentified	-	0.13	0.07	-	-	-	11000
	Sub-total	-	0.13	0.07	-	-	0.20	11080
Copepoda	<i>Cyclops sp.</i>	-	-	0.13	0.009	1.53	-	-
	<i>Diaptomus sp.</i>	-	0.07	-	-	-	0.27	-
	<i>Epischura sp.</i>	-	-	-	-	8.53	-	-
	Nauplii	3.47	2.93	0.20	0.005	2.67	14.27	-
	Unidentified	0.07	0.07	0.07	-	3.13	2.07	-
	Sub-total	3.53	3.07	0.40	0.014	15.87	16.60	-
Euglenoidea	<i>Euglena sp.</i>	-	0.07	-	-	-	-	640
Eutardigrada	Unidentified	-	-	-	-	-	-	-
Heliozoa	<i>Actinosphaerium sp.</i>	-	-	-	0.005	0.13	0.07	-
Insecta	<i>Chaoborus sp.</i>	-	-	0.07	-	-	-	-
	Unidentified	-	-	0.07	0.014	-	-	-
	Sub-total	-	-	0.13	0.014	-	-	-
Lobosa	<i>Diffugia sp.</i>	0.20	0.20	0.27	-	0.07	0.53	-

Table - 08: Zooplankton Abundance (n/L), 2011

Class	Waterbody	Anderson Creek	Ghost Creek	Stall Creek		Tern Ditch	Threehouse Creek	Unnamed Creek 1
	Station	ANC-02	GHC-01	STC-01	STC-02	TED-01	THC-01	UC1-01
	Species	22-May-11	21-May-11	22-May-11	17-Sep-11	20-May-11	21-May-11	21-May-11
Monogononta	<i>Anuraeopsis sp.</i>	-	0.80	-	-	-	2.87	-
	<i>Ascomorpha sp.</i>	-	-	-	-	0.07	-	-
	<i>Asplanchna sp.</i>	0.93	-	0.13	-	-	1.60	-
	<i>Brachionus quadridentatus</i>	-	-	-	-	-	-	-
	<i>Brachionus sp.</i>	-	-	-	-	-	-	-
	<i>Cephalodella sp.</i>	0.07	0.07	-	-	-	-	-
	<i>Collotheca sp.</i>	-	-	-	-	-	0.07	-
	<i>Colurella sp.</i>	0.07	-	-	-	-	0.07	-
	<i>Conochilus sp.</i>	-	-	-	-	2.00	1.20	-
	<i>Euchlanis sp.</i>	0.07	-	0.13	0.0047	-	0.40	-
	<i>Gastropus sp.</i>	-	0.07	-	-	-	0.47	-
	<i>Kellicottia longispina</i>	-	0.27	3.40	0.0047	0.20	0.53	-
	<i>Keratella sp.</i>	17.2	35.9	2.67	-	0.60	0.73	-
	<i>Lecane sp.</i>	0.20	0.07	0.13	-	0.13	0.07	-
	<i>Lepadella sp.</i>	-	0.13	-	-	-	-	-
	<i>Monostyla sp.</i>	0.33	1.07	0.07	0.0047	0.07	0.07	-
	<i>Mytilina sp.</i>	0.07	-	0.07	-	-	-	-
	<i>Notholca sp.</i>	0.07	-	-	-	-	-	-
	<i>Ploesoma sp.</i>	0.47	0.07	-	-	0.07	-	-
	<i>Polyarthra sp.</i>	32.93	1.07	0.20	-	0.07	0.73	-
<i>Synchaeta sp.</i>	17.33	-	0.13	-	0.33	0.27	-	
<i>Trichocerca sp.</i>	-	0.13	0.07	-	-	0.07	-	
<i>Trichotria sp.</i>	0.27	-	-	-	-	0.07	-	
Unidentified	0.33	-	-	-	-	0.93	-	
Sub-total		70.3	39.6	7.00	0.014	4.47	9.20	-
Arachnida	Unidentified	-	-	-	0.005	0.07	-	-
Nematoda	Unidentified	-	-	0.07	-	-	0.20	-
Ostracoda	Unidentified	-	-	0.20	-	-	0.13	-
Rotifera	Unidentified	-	0.20	-	-	0.07	-	-
Grand Total		40759.1	40727.3	40693.60	40803.061	40704.7	40711.6	52404

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Date	Time	Depth (m)	Sediment Description			
						Colour	Odour	Substrate	
								Dominant	Sub-Dominant
Anderson Bay (in Wekusko Lake)	ANB-01	A	23-May-11	10:15	0.50	Green-grey	Slight sulfur	Organic	Fines
			15-Sep-11	14:16	1.00	Dark grey	None	Organic	Silt
		B	23-May-11	10:26	0.50	Green-brown	None	Organic	Organic/Trace Sand
			15-Sep-11	14:28	1.20	Dark grey	None	Organic	Silt
		C	23-May-11	10:33	0.50	Green-grey	None	Organic	Organic/Trace Sand
			15-Sep-11	14:40	1.20	Dark grey	None	Organic	Silt
	ANB-02	A	23-May-11	11:15	0.90	Brown-grey	Organic odor	Organic	Fines
			15-Sep-11	15:02	1.50	Grey	None	Clay	Silt
		B	23-May-11	11:25	0.95	Brown-grey	-	Organic	Fines
			15-Sep-11	15:20	1.50	Grey	None	Clay	Silt
		C	23-May-11	11:33	1.00	Brown-grey	-	Organic	Fines
			15-Sep-11	15:30	1.50	Grey	None	Clay	Silt
	ANB-03	A	23-May-11	11:53	1.00	Brown-grey	-	Organic	Organic/Trace Sand
			17-Sep-11	10:16	1.20	Grey-brown	Organic	Clay	Silt/Organics
		B	23-May-11	12:00	0.95	Brown-grey	-	Organic	Organic/Trace Sand
			17-Sep-11	10:28	1.20	Grey-brown	Organic	Clay	Silt/Organics
		C	23-May-11	12:10	1.00	Brown-grey	-	Organic	Organic/Trace Sand
			17-Sep-11	10:39	1.20	Grey-brown	Organic	Clay	Silt/Organics
	ANB-04	A	23-May-11	13:55	1.00	Green-grey	-	Organic	Fines
			16-Sep-11	14:45	1.50	Grey-brown	None	Organic	Clay
		B	23-May-11	14:05	1.00	Green-grey	-	Organic	Fines
			16-Sep-11	15:01	1.50	Grey-brown	None	Organic	Clay
		C	23-May-11	14:10	1.00	Green-grey	-	Organic	Fines
			16-Sep-11	15:06	1.50	Grey-brown	None	Organic	Clay
	ANB-05	A	23-May-11	12:30	1.50	Brown-grey	-	Organic	Fines
			15-Sep-11	16:20	1.50	Grey-brown	-	Organic	Silt/Clay
		B	23-May-11	12:40	1.40	Brown-grey	-	Organic	Fines
			15-Sep-11	16:28	1.50	Grey-brown	-	Organic	Silt/Clay
C		23-May-11	12:48	1.50	Brown-grey	-	Organic	Fines	
		15-Sep-11	16:46	1.75	Grey-brown	-	Organic	Silt/Clay	

Notes:

^a UTM coordinates provided in Appendix B, Table - 02.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Date	Time	Depth (m)	Sediment Description			
						Colour	Odour	Substrate	
								Dominant	Sub-Dominant
Anderson Bay (in Wekusko Lake)	ANB-06	A	23-May-11	14:25	1.00	Grey	-	Organic	Fines/Sand
			16-Sep-11	14:18	2.00	Grey-brown	None	Clay	Gravel
		A	16-Sep-11	14:18	2.00	Grey-brown	None	Clay	Gravel
			23-May-11	14:36	1.50	Grey	-	Organic	Organic/Trace Sand
		B	16-Sep-11	14:26	1.75	Grey-brown	None	Silt/Clay	Organic
			23-May-11	14:45	1.80	Grey	-	Organic	Organic/Trace Sand
	ANB-07	A	24-May-11	10:00	2.25	Grey	Mineral smell	Fines	Organic/Trace Sand
			16-Sep-11	12:29	2.00	Grey-brown	None	Silt	Clay
		B	24-May-11	10:10	2.25	Grey	-	Fines	Organic/Sand
			16-Sep-11	12:45	2.00	Grey-brown	Sulfur	Silt	Clay
		C	24-May-11	10:15	2.25	Grey	-	Fines	Organic/Sand
			16-Sep-11	13:01	2.00	Grey-brown	Slight sulfur	Silt	Clay
	ANB-08	A	24-May-11	11:50	4.10	Brown over grey	-	Fines	Organic/Sand
			16-Sep-11	11:39	4.50	Grey	None	Clay	Silt/Gravel
		B	24-May-11	12:05	3.80	Brown over grey	-	Fines	Organic/Sand
			16-Sep-11	11:51	4.00	Grey	None	Clay	Silt/Gravel
		C	24-May-11	12:10	3.90	Brown over grey	-	Fines	Organic/Sand
			16-Sep-11	12:04	4.00	Grey	None	Clay	Silt/Sand/Gravel
	ANB-09	A	24-May-11	11:05	4.00	Brown over grey	-	Fines	Organic/Trace Sand
			16-Sep-11	10:51	4.00	Grey-brown	-	Clay	-
		B	24-May-11	11:20	4.00	Brown over grey	-	Fines	Organic/Trace Sand
			16-Sep-11	11:06	3.00	Grey-brown	-	Clay	Sand
		C	24-May-11	11:25	4.05	Brown over grey	-	Fines	Organic/Trace Sand
			16-Sep-11	11:17	3.50	Grey-brown	-	Clay	-
	ANB-10	A	24-May-11	12:45	4.25	Brown over grey	-	Fines	Organic/Sand
			16-Sep-11	10:00	4.00	Grey	None	Clay	-
		B	24-May-11	13:00	4.40	Brown over grey	-	Fines	Organic/Sand
			16-Sep-11	10:17	4.00	Grey	None	Clay	Clay/Sand
		C	24-May-11	13:10	4.00	Brown over grey	-	Fines	Organic/Sand
			16-Sep-11	10:26	4.00	Grey	None	Clay	Clay/Sand

Notes:

^a UTM coordinates provided in Appendix B, Table - 02.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Date	Time	Depth (m)	Sediment Description			
						Colour	Odour	Substrate	
								Dominant	Sub-Dominant
Arm Lake	ARL-01	A	29-May-11	15:55	1.00	Brown	-	Organic	Fines
			15-Sep-11	9:58	1.00	Green-brown	None	Organic	Fines
		B	29-May-11	16:00	1.00	Brown	Slight sulfur	Organic	Fines
			15-Sep-11	10:08	1.00	Green-brown	None	Organic	Fines
		C	29-May-11	16:04	1.00	Brown	-	Organic	Fines
			15-Sep-11	10:14	1.00	Green-brown	None	Organic	Fines
Gaspard Lake	GSL-01	A	28-May-11	10:31	1.10	Dark brown; Light brown	-	Organic	Fines
			14-Sep-11	9:36	1.20	Dark brown	None	Organic	-
		B	28-May-11	10:40	1.20	Dark brown; Light brown	-	Organic	Fines
			14-Sep-11	10:05	1.20	Dark brown	None	Organic	-
		C	28-May-11	10:51	1.20	Light brown	-	Organic	Fines
			14-Sep-11	10:10	1.20	Dark brown	None	Organic	-
Ghost Lake	GHL-01	A	20-May-11	11:45	3.00	Brown/green	-	Organic	-
			14-Sep-11	10:13	1.1	Green	Organic	Organic	-
		B	20-May-11	11:53	1.30	rown, dark soil (very little	Sulfur	Organic	-
			14-Sep-11	10:25	1.1	Green-black	Organic	Organic	-
		C	20-May-11	11:58	1.20	rown, some darker mater	-	Organic	-
			14-Sep-11	10:33	1.1	Green-black	Organic	Organic	-
	GHL-02	A	20-May-11	12:16	1.51	Green/brown	Sulfur	Organic	-
			14-Sep-11	11:05	1.5	Green-black	None	Organic	-
		B	20-May-11	12:20	1.60	Brown/grey	Sulfur	Organic	-
			14-Sep-11	11:14	1.5	Green with black chunks	None	Organic	-
		C	20-May-11	12:37	1.50	Brown grey/green	Sulfur	Organic	-
			14-Sep-11	11:23	1.5	Green, with black chunks	None	Organic	-
	GHL-03	A	20-May-11	12:38	1.50	Brown/grey	Sulfur	Organic	-
			14-Sep-11	12:51	1.5	n with a large amount of b	Sulfur	Organic	-
		B	20-May-11	12:43	1.50	Brown/grey	Sulfur	Organic	-
			14-Sep-11	12:58	1.5	n with a large amount of b	Sulfur	Organic	-
		C	20-May-11	12:48	1.40	Brown/grey	Sulfur	Organic	-
			14-Sep-11	13:03	1.5	Green-brown	Sulfur	Organic	-

Notes:

^a UTM coordinates provided in Appendix B, Table - 02.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Date	Time	Depth (m)	Sediment Description			
						Colour	Odour	Substrate	
								Dominant	Sub-Dominant
Nutt Lake	NTL-01	A	28-May-11	14:43	1.00	Brown	-	Organic	Fines
			14-Sep-11	12:10	1.10	Dark brown	-	Organic	-
		B	28-May-11	14:47	1.00	Brown	-	Organic	Fines
			14-Sep-11	12:30	1.10	Dark brown	-	Organic	-
		C	28-May-11	14:55	1.00	Brown	-	Organic	Fines
			14-Sep-11	12:35	1.10	Dark brown	-	Organic	-
Threehouse Lake	THL-01	A	27-May-11	15:59	1.00	Grey-brown	-	Organic	Fines
			15-Sep-11	9:30	1.00	Brown	Sulfur	Organic	-
		B	27-May-11	16:03	1.00	Grey-brown	-	Organic	Fines
			15-Sep-11	9:40	1.00	Brown	Sulfur	Organic	-
		C	27-May-11	16:08	1.10	Grey-brown	-	Organic	Fines
			15-Sep-11	9:45	1.00	Brown	Sulfur	Organic	-
	THL-02	A	27-May-11	15:28	1.25	Green-brown	-	Organic	Fines
			15-Sep-11	10:30	1.40	Brown	Sulfur	Organic	-
		B	27-May-11	15:32	1.40	Green-brown	-	Organic	Fines
			15-Sep-11	10:35	1.40	Brown	Sulfur	Organic	-
		C	27-May-11	15:36	1.30	Green-brown	-	Organic	Fines
			15-Sep-11	10:40	1.40	Brown	Sulfur	Organic	-
	THL-03	A	27-May-11	14:54	1.10	Green-brown	-	Organic	Fines
			15-Sep-11	11:40	1.00	Brown	Sulfur	Organic	-
		B	27-May-11	14:59	1.10	Green-brown	-	Organic	Fines
			15-Sep-11	11:45	1.00	Brown	Sulfur	Organic	-
		C	27-May-11	15:03	1.10	Green-brown	-	Organic	Fines
			15-Sep-11	11:50	1.00	Brown	Sulfur	Organic	-
Unnamed Lake 1	UL1-01	A	29-May-11	10:42	1.00	Brown	-	Organic	Fines
			14-Sep-11	14:25	1.00	Dark brown	-	Organic	-
		B	29-May-11	10:50	1.00	Brown	-	Organic	Fines
			14-Sep-11	14:30	1.00	Dark brown	-	Organic	-
		C	29-May-11	10:55	1.00	Brown	-	Organic	Fines
			14-Sep-11	14:35	1.00	Dark brown	-	Organic	-

Notes:

^a UTM coordinates provided in Appendix B, Table - 02.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Date	Time	Depth (m)	Sediment Description			
						Colour	Odour	Substrate	
								Dominant	Sub-Dominant
Anderson Creek	ANC-01	A	30-May-11	10:17	0.84	Grey	-	Clay	Sand/Trace Gravel
			15-Sep-11	13:55	0.60	Grey	None	Sand	Clay
		B	30-May-11	10:27	0.85	Grey	Organic odor	Clay	Sand/Organic
			15-Sep-11	13:30	0.60	Grey	None	Sand	Clay
		C	30-May-11	10:36	0.80	Grey	-	Fines	Sand
			15-Sep-11	14:05	0.60	Grey	None	Sand	Clay
	ANC-02	A	22-May-11	12:40	0.20	Grey	-	Fines	Sand/Organic
			17-Sep-11	10:20	0.50	Brown-grey	-	Clay	Organic
		B	22-May-11	12:57	0.20	Grey	-	Fines	Sand/Organic
			17-Sep-11	10:30	0.25	Dark brown-black	-	Sand	Clay
		C	22-May-11	13:00	0.20	Grey	-	Fines	Sand
			17-Sep-11	10:00	0.50	Grey	-	Clay	Organic
	ANC-04	A	18-Jun-12	10:05	1.00	Grey-brown	None	Clay/Fines	Organics
			18-Jun-12	10:20	1.00	Grey-light brown	None	Clay/Fines	Organics
		C	18-Jun-12	9:20	1.00	Black-brown	Sulfur	Organics	Clay/Fines
Ghost Creek	GHC-01	A	21-May-11	15:00	0.60	Brown	-	Organic	Mineral Soils
			13-Sep-11	15:57	0.50	Brown	Sulfur	Organic	-
		B	21-May-11	15:26	1.50	Brown	-	Organic	-
			13-Sep-11	15:57	0.50	Brown	Sulfur	Organic	-
		C	21-May-11	15:35	1.00	Brown	-	Organic	-
			13-Sep-11	15:57	0.50	Black	Sulfur	Organic	-
Stall Creek	STC-01	A	25-May-11	16:23	0.51	-	-	-	-
			16-Sep-11	10:30	0.60	Grey-brown	-	Clay	Sand/Organic/Gravel/Fines
		B	25-May-11	16:37	0.60	Over grey	-	Fines	Sand
			16-Sep-11	10:10	0.60	Grey-brown	-	Sand	Fines/Clay
		C	25-May-11	16:43	0.70	-	-	Fines	Sand
			16-Sep-11	9:45	0.60	Black-brown	Organic, not sulfur	Organic	Clay
	STC-02	A	30-May-11	15:28	0.60	Dark brown	Sulfur odour	Organic	Fines
			15-Sep-11	16:12	0.50	Brown	Sulfur	Organic	-
		B	30-May-11	15:51	0.50	Brown	Sulfur odour	Organic	Fines
			15-Sep-11	16:30	0.50	Brown	Sulfur	Organic	-
		C	30-May-11	16:14	0.00	-	-	-	-
			15-Sep-11	16:50	0.50	Brown	Sulfur	Organic	-
	STC-03	A	30-May-11	13:42	0.70	Black over brown	Strong smell	Organic	Fines
			15-Sep-11	15:10	0.50	-	-	Organic	-
		B	30-May-11	13:30	0.70	Black	Slight odour	Organic	Fines
			15-Sep-11	14:50	0.50	-	-	Organic	-
		C	30-May-11	13:19	0.50	Black	Slight sulfur odour	Organic	Fines
			15-Sep-11	15:00	0.50	-	-	Organic	-

Notes:

^a UTM coordinates provided in Appendix B, Table - 02.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Date	Time	Depth (m)	Sediment Description			
						Colour	Odour	Substrate	
								Dominant	Sub-Dominant
Tern Ditch	TED-01	A	20-May-11	17:00	0.50	Brown	-	-	-
			13-Sep-11	10:32	0.50	Black	Slight sulfur	Organic	Fines
		B	20-May-11	17:05	0.50	Brown	-	-	-
			13-Sep-11	9:42	0.50	Black	Slight sulfur	Organic	Fines
		C	20-May-11	17:10	0.50	Brown	-	-	-
			13-Sep-11	9:29	0.75	Black	Slight sulfur	Organic	Fines
Threehouse Creek	THC-01	A	21-May-11	13:45	0.50	Grey-brown	-	Organic	Fines/Mineral Soils
			13-Sep-11	14:29	0.50	Black-brown	None	Organic	Fines
		B	21-May-11	13:35	1.00	Brown	-	Organic	Mineral Soils
			13-Sep-11	14:35	0.50	Black-brown	Slight sulfur with organics	Organic	Fines
		C	21-May-11	13:10	0.80	Green-brown	-	Organic	Mineral Soils
			13-Sep-11	15:05	0.50	Grey-brown	-	Organic	Fines
Unnamed Creek 1	UC1-01	A	21-May-11	11:18	0.20	Brown	-	Organic	Fines
			13-Sep-11	12:49	0.20	Grey	None	Organic	Clay/Silt
		B	21-May-11	11:24	0.20	Light grey	-	Fines	Organic
			13-Sep-11	12:34	0.10	Grey	None	Organic	Clay/Silt
		C	21-May-11	11:35	0.10	-	-	Clay	Organic
			13-Sep-11	12:19	0.20	Grey	None	Organic	Clay/Silt

Notes:

^a UTM coordinates provided in limnology table.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Plant Matter	Comments
Anderson Bay (in Wekusko Lake)	ANB-01	A	Woody debris; roots	-
			Submergent vegetation	-
		B	-	-
			Submergent vegetation	-
		C	Roots	-
			Submergent vegetation	-
	ANB-02	A	Submergent vegetation; plant matter	-
			Submergent vegetation	-
		B	Submergent vegetation	-
			Submergent vegetation	-
		C	Plants	-
			Submergent vegetation	-
	ANB-03	A	Roots	-
			Algae balls, submergent vegetation	-
		B	Roots; algae balls	-
			Algae balls, submergent vegetation	-
		C	Roots; algae balls	-
			Algae balls, submergent vegetation	-
	ANB-04	A	Roots; woody debris	-
			Submergent vegetation, debris	-
		B	Little plant matter	-
Vegetation matter			-	
C		Little plant matter	-	
		Vegetation matter	-	
ANB-05	A	-	-	
		Submergent vegetation	-	
	B	-	Amphipods observed	
		Submergent vegetation	-	
	C	Broadleaf submergent plants	-	
		Submergent vegetation	-	

Notes:

^a UTM coordinates provided in Appendix B, Table - 02.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Plant Matter	Comments
Anderson Bay (in Wekusko Lake)	ANB-06	A	-	Bivalve shells observed
			Organic matter	-
		A	Organic matter	-
			Woody debris	-
		B	None	-
			Woody debris	-
	ANB-07	A	Plants	Plastic
			None	-
		B	Decaying grass; roots	-
			Organic matter, small woody debris	-
		C	Decaying grass; roots	-
			Organic matter, small woody debris	-
	ANB-08	A	-	Bloodworm and dead bivalve observed; clay balls
			None	-
		B	-	Bloodworm observed
			None	-
		C	-	Bloodworm observed
			None	-
	ANB-09	A	-	Bloodworm observed
			None	-
		B	-	Bloodworm observed
			None	-
		C	-	Bloodworm observed; grey layer with black striations
			None	-
ANB-10	A	-	-	
		None	-	
	B	-	-	
		None	-	
	C	-	Parts of bivalves observed	
		None	-	

Notes:

^a UTM coordinates provided in Appendix B, Table - 02.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Plant Matter	Comments
Arm Lake	ARL-01	A	Green algae	-
			Submergent vegetation	-
		B	Roots	-
			Submergent vegetation	-
		C	Green algae; decaying matter	-
			Submergent vegetation	-
Gaspard Lake	GSL-01	A	Some submergent vegetation	-
			-	-
		B	Decaying plants	-
			-	-
		C	Decaying plants; some submergent vegetation	-
			-	-
Ghost Lake	GHL-01	A	Some dead grass	-
			Submergent vegetation	-
		B	Dead vegetation	-
			Submergent vegetation	-
		C	Dead vegetation	-
			Submergent vegetation	-
	GHL-02	A	Some vegetation; slimy; cold	-
			-	-
		B	Some vegetation	-
	-		-	
	C	Some vegetation (less than GHL-01)	-	
		-	-	
	GHL-03	A	None	-
			-	-
		B	None	-
-			-	
C		Some vegetation	-	
		-	-	

Notes:

^a UTM coordinates provided in Appendix B, Table - 02.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Plant Matter	Comments
Nutt Lake	NTL-01	A	-	-
			-	-
		B	-	-
			-	-
		C	-	-
			-	-
Threehouse Lake	THL-01	A	Thin algae layer	-
			-	-
		B	Thin algae layer	-
			Roots	-
		C	Thin algae layer; roots	-
			Roots	-
	THL-02	A	-	-
			-	-
		B	-	-
			-	-
		C	-	-
			-	-
	THL-03	A	Thin algae layer	-
			Roots	-
		B	Thin algae layer	-
			Roots	-
		C	-	-
			Roots	-
Unnamed Lake 1	UL1-01	A	-	-
			Roots	-
		B	Thin algae layer	-
			Roots	-
		C	Roots; plant debris	-
			Roots	-

Notes:

^a UTM coordinates provided in Appendix B, Table - 02.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Plant Matter	Comments	
Anderson Creek	ANC-01	A	-	-	
		B	Decomposing plant matter	-	
		C	-	-	
	ANC-02	A	-	Grasses	-
		B	-	Grasses	-
		C	-	-	-
	ANC-04	A	Some reeds; small woody debris	-	At left downstream bank
		B	Small reeds; small woody debris	-	At left downstream bank
		C	Reeds; small woody debris	-	At right downstream bank
	Ghost Creek	GHC-01	A	Peat; grasses	-
			B	Peat	-
			C	Peat	-
Stall Creek	STC-01	A	-	-	
		B	Leaves	-	
		C	Leaves, logs	-	
	STC-02	A	Significant peat and decaying plant matter	-	-
		B	Peat and decaying plant matter	-	-
		C	-	-	-
	STC-03	A	Submergent roots; decaying debris	Mostly plants	-
		B	Significant submergent roots	Mostly plants	Snails present
		C	Submergent roots; decaying debris	Mostly plants	-

Notes:

^a UTM coordinates provided in Appendix B, Table - 02.

m = metre; - = not applicable

Table - 09: Sediment and Benthic Supporting Information, 2011-2012

Waterbody	Station	Replicate ^a	Plant Matter	Comments
Tern Ditch	TED-01	A	-	Highly organic
			Woody debris, aquatic vegetation	-
		B	-	Highly organic
			Woody debris, aquatic vegetation	-
		C	-	Highly organic
			Woody debris, aquatic vegetation	-
Threehouse Creek	THC-01	A	Woody debris; roots	-
			Organic matter	-
		B	Woody debris	-
			Organic matter	-
		C	Woody debris; roots	-
			Organic matter	-
Unnamed Creek 1	UC1-01	A	Leaf matter	-
			Organic debris	-
		B	Leaf cover	-
			Organic debris	-
		C	Decomposing leaf matter	-
			Organic debris	-

Notes:

^a UTM coordinates provided in limnology table.

m = metre; - = not applicable

Table - 10: Benthic Invertebrate Density (n/m²), 2011

Order	Family	Species	Anderson Bay (in Wekusko Lake)									
			ANB-01A	ANB-02A	ANB-03A	ANB-04A	ANB-05A	ANB-06A	ANB-07A	ANB-08A	ANB-09A	ANB-10A
Amphipoda	Hyalellidae	<i>Hyalella azteca</i>	129	86	388	647	43	302	43	-	-	-
	Pontoporeiidae	<i>Diporeia hoyi</i>	-	-	-	-	-	-	-	216	388	-
Araneae	unidentified	-	-	-	-	-	-	-	-	-	-	-
Basommatophora	Ancylidae	<i>Ferrissia sp.</i>	-	-	-	43	-	-	-	-	-	-
	Physidae	<i>Physa sp.</i>	43	-	-	-	-	-	-	-	-	-
	Planorbiidae	<i>Armiger crista</i>	-	-	-	-	-	-	-	-	-	-
		<i>Gyraulus sp.</i>	-	43	-	43	-	-	-	-	-	-
		<i>Helisoma anceps</i>	-	-	-	-	-	-	-	-	-	-
	<i>Promenetus exacuouus</i>	43	-	-	-	-	-	-	-	-	-	
Cladocera	unidentified	-	-	43	43	-	-	-	-	-	-	43
Coleoptera	Dytiscidae	<i>Laccophilus sp.</i>	-	-	-	-	-	-	-	-	-	-
	Haliplidae	<i>Halipilus sp.</i>	-	-	-	-	-	-	-	-	-	-
	Ptilidae	unidentified	-	-	-	-	-	-	-	-	-	-
Collembola	Isotomidae	<i>Isotomurus tricolor</i>	-	-	-	-	-	-	-	-	-	-
Copepoda	Calanoida	unidentified	-	-	-	86	-	-	-	-	-	-
	Cyclopoida	unidentified	86	86	129	517	43	-	-	-	86	-
	Harpacticoida	unidentified	-	905	1,078	-	43	-	-	-	-	-
Diptera	Ceratopogonidae	unidentified	-	86	216	431	259	86	86	-	-	43
	Chaoboridae	<i>Chaoborus sp.</i>	-	-	-	-	-	-	-	43	43	-
	Chironomidae	<i>Chironomini sp.</i>	1,552	690	172	474	474	129	603	86	86	1,422
		<i>Coelotanypodini sp.</i>	-	-	-	86	86	-	-	-	-	-
		<i>Orthocladinae sp.</i>	172	-	-	86	-	-	43	-	-	-
		<i>Pentaneurini sp.</i>	43	43	-	129	-	43	43	-	43	43
		<i>Procladini sp.</i>	43	-	43	345	-	345	431	-	43	733
		<i>Tanypodini sp.</i>	-	-	-	-	-	43	172	-	-	216
		<i>Tanytarsini sp.</i>	-	-	-	302	-	-	-	-	43	345
	unidentified	-	-	-	-	-	-	-	-	-	-	
	Culicidae	<i>Culex sp.</i>	-	-	-	-	-	-	-	-	-	-
	Dixidae	<i>Dixella sp.</i>	-	-	-	-	-	-	-	-	-	-
	Ephydriidae	<i>Hydrellia sp.</i>	-	-	-	-	-	-	-	-	-	-
Tabanidae	<i>Chrysops sp.</i>	-	-	-	-	-	-	-	-	-	-	
Ephemeroptera	Caenidae	<i>Caenis sp.</i>	43	-	-	129	43	-	-	-	-	129
	Ephemeridae	<i>Hexagenia sp.</i>	-	-	-	43	-	43	216	86	43	129
	Leptophlebiidae	<i>Paraleptophlebia sp.</i>	-	-	-	-	-	-	-	-	-	-
	unidentified	-	-	-	43	-	-	-	-	-	-	43
Hemiptera	Corixidae	<i>Sigara sp.</i>	-	-	-	-	-	-	-	-	-	-
Hirudinea	Glossiphoniidae	<i>Glossiphonia sp.</i>	-	-	-	-	-	-	-	-	-	-
		<i>Helobdella stagnalis</i>	-	-	86	-	43	-	-	-	-	-
		<i>Placobdella sp.</i>	-	-	-	-	-	-	-	-	-	-
Hymenoptera	unidentified	-	-	-	-	-	-	-	-	-	-	
Lepidoptera	unidentified	43	-	-	-	-	-	-	-	-	-	
Megaloptera	Sialidae	<i>Sialis sp.</i>	-	-	-	-	-	43	-	43	-	43

Table - 10: Benthic Invertebrate Density (n/m²), 2011

Order	Family	Species	Anderson Bay (in Wekusko Lake)									
			ANB-01A	ANB-02A	ANB-03A	ANB-04A	ANB-05A	ANB-06A	ANB-07A	ANB-08A	ANB-09A	ANB-10A
Neotaenioglossa	Hydrobiidae	<i>Amnicola limosa</i>	-	-	-	43	43	129	86	-	-	-
		<i>Amnicola sp.</i>	388	-	43	-	-	-	-	-	-	-
		<i>Amnicola walkeri</i>	-	-	-	86	86	86	-	-	-	-
		<i>Cincinnatia cincinnatiensis</i>	129	1,207	43	43	-	-	-	-	-	-
		<i>Marstonia decepta</i>	-	-	-	-	-	-	-	-	-	43
		unidentified	-	-	86	-	-	43	43	-	-	-
Odonata (Anisoptera)	Corduliidae	<i>Cordulia shurtleffi</i>	-	43	-	-	-	-	-	-	-	-
		<i>Epitheca sp.</i>	-	-	-	-	-	-	-	-	-	-
	Gomphidae	unidentified	-	-	-	-	-	-	-	-	-	-
Odonata (Zygoptera)	Coenagrionidae	<i>Ischnura sp.</i>	-	-	-	-	-	-	-	-	-	-
Oligochaeta	Naididae	<i>Nais sp.</i>	-	-	-	-	-	-	-	-	-	-
		<i>Stylaria lacustris</i>	-	43	-	-	-	-	-	-	302	-
	Tubificidae	unidentified with hair setae	-	-	-	-	-	-	-	-	43	86
		unidentified without hair setae	-	-	-	-	-	-	-	-	86	
Ostracoda	unidentified	-	129	-	-	259	-	-	43	129	172	603
Plecoptera	unidentified	-	-	-	-	-	-	-	-	-	-	-
Prosobranchia	Valvatidae	<i>Valvata sincera</i>	-	-	-	-	-	-	-	-	-	-
		<i>Valvata sincera var. ontariensis</i>	-	-	-	-	-	-	-	-	-	-
		<i>Valvata tricarinata</i>	259	-	-	-	-	-	-	-	-	-
Trichoptera	Leptoceridae	<i>Oecetis sp.</i>	-	-	-	43	-	-	-	-	-	-
		<i>Triaenodes sp.</i>	43	-	-	-	-	-	-	-	-	-
	Molannidae	<i>Molanna sp.</i>	-	-	-	43	-	-	-	-	-	-
		<i>Agrypnia sp.</i>	86	-	-	-	-	-	-	-	-	-
	Phryganeidae	<i>Phryganea sp.</i>	-	-	-	43	-	-	-	-	-	-
		<i>Ptilostomis sp.</i>	-	-	-	-	-	-	-	-	-	-
	Polycentropodidae	unidentified	-	-	-	-	-	-	-	-	-	
Trombidiformes	Arrenuridae	<i>Arrenurus sp.</i>	-	-	-	-	-	-	-	-	-	-
	Hygrobatidae	<i>Megapus sp.</i>	-	43	-	-	43	-	-	-	-	-
	Limnesiidae	<i>Limnesia sp.</i>	-	-	-	-	-	-	-	-	-	-
	Mideopsidae	<i>Mideopsis sp.</i>	-	-	-	-	-	43	-	-	-	-
	Unionicolidae	<i>Neumania sp.</i>	-	-	-	-	-	-	-	-	-	-
		unidentified	-	-	-	-	-	-	-	43	-	
Veneroida	Pisiidae	<i>Pisidium sp.</i>	-	-	-	-	-	-	-	-	-	43
		<i>Sphaerium simile</i>	-	-	-	-	-	-	-	-	-	-
		unidentified	43	-	172	216	-	-	-	259	302	302
Unidentified	-	-	-	129	-	474	43	86	216	43	560	2,500
Grand Total			3,491	3,276	2,974	4,267	1,293	1,552	1,853	1,422	4,138	4,353

Table - 10: Benthic Invertebrate Density (n/m²), 2011

Order	Family	Species	Arm Lake	Gaspard Lake	Ghost Lake			Nutt Lake	Threehouse Lake			Unnamed Lake 1
			ARL-01A	GSL-01A	GHL-01A	GHL-02A	GHL-03A	NTL-01A	THL-01A	THL-02A	THL-03A	UL1-01A
Amphipoda	Hyalellidae	<i>Hyalella azteca</i>	-	-	43	-	43	711	-	-	-	905
	Pontoporeiidae	<i>Diporeia hoyi</i>	-	-	-	-	-	-	-	-	-	-
Araneae	unidentified	-	43	-	-	-	-	-	-	-	-	-
Basommatophora	Ancylidae	<i>Ferrissia sp.</i>	-	-	-	-	-	-	-	-	-	-
	Physidae	<i>Physa sp.</i>	-	-	-	-	-	-	-	-	-	-
	Planorbiidae	<i>Armiger crista</i>	-	-	-	-	-	-	-	-	-	-
		<i>Gyraulus sp.</i>	-	-	-	-	-	-	-	-	-	-
		<i>Helisoma anceps</i>	-	-	-	-	-	-	-	-	-	-
	<i>Promenetus exacuus</i>	-	-	-	-	-	-	-	-	-	-	
Cladocera	unidentified	-	-	-	-	-	22	-	-	43	-	
Coleoptera	Dytiscidae	<i>Laccophilus sp.</i>	-	-	-	-	-	-	-	-	-	-
	Haliplidae	<i>Halipilus sp.</i>	-	-	-	-	-	-	-	-	-	-
	Ptilidae	unidentified	-	-	-	-	-	-	-	-	-	-
Collembola	Isotomidae	<i>Isotomurus tricolor</i>	-	-	-	-	-	-	-	-	-	
Copepoda	Calanoida	unidentified	-	-	-	-	-	453	-	-	-	-
	Cyclopoida	unidentified	-	-	-	-	-	-	-	-	-	-
	Harpacticoida	unidentified	-	-	-	-	-	-	-	-	-	-
Diptera	Ceratopogonidae	unidentified	86	22	43	-	-	172	-	22	-	108
	Chaoboridae	<i>Chaoborus sp.</i>	129	-	-	-	-	43	-	-	-	-
	Chironomidae	<i>Chironomini sp.</i>	474	43	172	-	-	65	86	43	474	1,897
		<i>Coelotanypodini sp.</i>	-	-	-	-	-	-	-	-	-	-
		<i>Orthocladinae sp.</i>	86	-	-	-	-	86	-	-	-	-
		<i>Pentaneurini sp.</i>	172	-	-	-	-	22	-	-	151	-
		<i>Procladini sp.</i>	86	-	86	-	43	194	65	-	172	259
		<i>Tanypodini sp.</i>	-	-	-	-	-	-	-	-	-	-
		<i>Tanytarsini sp.</i>	172	-	43	-	-	-	-	-	43	22
		unidentified	-	-	-	-	-	-	-	-	-	-
	Culicidae	<i>Culex sp.</i>	-	-	-	-	-	-	-	-	-	-
	Dixidae	<i>Dixella sp.</i>	43	-	-	-	-	-	-	-	-	-
	Ephydriidae	<i>Hydrellia sp.</i>	-	-	-	-	-	-	-	-	-	-
Tabanidae	<i>Chrysops sp.</i>	-	-	-	-	-	-	-	-	-	-	
Ephemeroptera	Caenidae	<i>Caenis sp.</i>	345	43	86	-	-	22	-	-	22	-
	Ephemeridae	<i>Hexagenia sp.</i>	-	-	-	-	-	-	-	-	-	-
	Leptophlebiidae	<i>Paraleptophlebia sp.</i>	-	-	-	-	-	-	-	-	-	22
		unidentified	-	-	-	-	-	-	-	-	-	-
Hemiptera	Corixidae	<i>Sigara sp.</i>	-	-	-	-	-	-	-	-	-	
Hirudinea	Glossiphoniidae	<i>Glossiphonia sp.</i>	-	-	-	-	-	-	-	-	-	-
		<i>Helobdella stagnalis</i>	-	-	-	-	-	-	-	-	-	-
		<i>Placobdella sp.</i>	-	-	-	-	-	-	22	-	-	-
Hymenoptera	unidentified	-	-	-	-	-	-	-	-	-	-	
Lepidoptera	unidentified	-	-	-	-	-	-	-	-	-	-	
Megaloptera	Sialidae	<i>Sialis sp.</i>	-	-	-	-	-	-	-	-	-	

Table - 10: Benthic Invertebrate Density (n/m²), 2011

Order	Family	Species	Arm Lake	Gaspard Lake	Ghost Lake			Nutt Lake	Threehouse Lake			Unnamed Lake 1
			ARL-01A	GSL-01A	GHL-01A	GHL-02A	GHL-03A	NTL-01A	THL-01A	THL-02A	THL-03A	UL1-01A
Neotaenioglossa	Hydrobiidae	<i>Amnicola limosa</i>	-	-	-	-	-	-	-	-	-	-
		<i>Amnicola sp.</i>	-	-	-	-	-	-	-	-	-	-
		<i>Amnicola walkeri</i>	-	-	-	-	-	-	-	-	-	-
		<i>Cincinnatia cincinnatiensis</i>	-	-	-	-	-	-	-	-	-	-
		<i>Marstonia decepta</i>	-	-	-	-	-	-	-	-	-	-
		unidentified	-	-	-	-	-	-	-	-	-	-
Odonata (Anisoptera)	Corduliidae	<i>Cordulia shurtleffi</i>	-	-	-	-	-	-	-	-	-	-
		<i>Epitheca sp.</i>	-	-	-	-	-	-	-	-	-	-
	Gomphidae	unidentified	-	-	-	-	-	-	-	-	-	-
Odonata (Zygoptera)	Coenagrionidae	<i>Ischnura sp.</i>	-	-	-	-	-	-	-	-	-	
Oligochaeta	Naididae	<i>Nais sp.</i>	-	-	-	-	-	-	-	-	-	-
		<i>Stylaria lacustris</i>	-	-	-	-	-	-	-	-	-	-
	Tubificidae	unidentified with hair setae	-	-	-	-	-	-	-	-	-	-
		unidentified without hair setae	-	-	-	-	-	-	-	-	-	-
Ostracoda	unidentified	-	-	-	-	-	-	-	-	-	-	
Plecoptera	unidentified	-	-	-	-	-	-	-	-	-	-	
Prosobranchia	Valvatidae	<i>Valvata sincera</i>	-	-	-	-	-	-	-	-	-	-
		<i>Valvata sincera var. ontariensis</i>	-	-	-	-	-	-	-	-	22	22
		<i>Valvata tricarinata</i>	-	-	-	-	-	-	-	-	-	-
Trichoptera	Leptoceridae	<i>Oecetis sp.</i>	-	-	-	-	-	-	-	-	-	65
		<i>Triaenodes sp.</i>	-	-	-	-	-	-	-	-	-	-
	Molannidae	<i>Molanna sp.</i>	-	-	-	-	-	-	-	-	-	-
	Phryganeidae	<i>Agrypnia sp.</i>	-	-	-	-	-	-	-	-	-	-
		<i>Phryganea sp.</i>	-	-	-	-	-	-	-	-	-	-
		<i>Ptilostomis sp.</i>	-	-	-	-	-	-	-	-	-	-
	Polycentropodidae	unidentified	-	-	-	-	-	-	-	-	-	-
Trombidiformes	Arrenuridae	<i>Arrenurus sp.</i>	-	22	-	-	-	-	-	-	-	-
	Hygrobatidae	<i>Megapus sp.</i>	-	-	-	-	-	-	-	-	-	-
	Limnesiidae	<i>Limnesia sp.</i>	-	-	-	-	43	-	-	-	-	-
	Mideopsidae	<i>Mideopsis sp.</i>	-	-	-	-	-	-	-	-	-	-
	Unionicolidae	<i>Neumania sp.</i>	-	-	-	43	-	-	-	-	-	-
	unidentified	-	-	-	-	-	-	-	-	-	-	-
Veneroida	Pisiidae	<i>Pisidium sp.</i>	-	-	-	-	-	22	-	-	-	-
		<i>Sphaerium simile</i>	-	-	-	-	-	-	-	-	-	-
		unidentified	86	-	-	43	-	65	-	-	43	-
Unidentified	-	-	-	43	-	22	-	-	-	22	-	
Grand Total			1,724	129	474	129	129	1,897	172	65	991	3,297

Table - 10: Benthic Invertebrate Density (n/m²), 2011

Order	Family	Species	Anderson Creek		Ghost Creek GHC-01A	Stall Creek			Tern Ditch TED-01A	Threehouse Creek THC-01A	Unnamed Creek 1 UC1-01A	Grand Total	
			ANC-01B	ANC-02A		STC-01A	STC-02A	STC-03B					
Amphipoda	Hyalellidae	<i>Hyalella azteca</i>	-	-	-	-	-	216	43	-	-	3,599	
	Pontoporeiidae	<i>Diporeia hoyi</i>	-	-	-	-	-	-	-	-	-	603	
Araneae	unidentified	-	-	-	-	-	-	-	-	43	-	86	
Basommatophora	Ancylidae	<i>Ferrissia sp.</i>	-	-	-	-	-	-	-	-	-	43	
	Physidae	<i>Physa sp.</i>	-	-	-	-	-	-	-	43	-	86	
	Planorbiidae	<i>Armiger crista</i>	-	-	-	-	-	-	22	-	-	-	22
		<i>Gyraulus sp.</i>	-	-	-	-	-	-	65	1,250	-	-	1,401
		<i>Helisoma anceps</i>	-	-	-	-	-	-	-	43	-	-	43
	<i>Promenetus exacuus</i>	-	-	-	-	-	-	-	-	-	-	43	
Cladocera	unidentified	-	-	-	-	-	151	-	-	-	1,681	2,112	
Coleoptera	Dytiscidae	<i>Laccophilus sp.</i>	-	-	-	-	-	-	-	-	43	43	
	Haliplidae	<i>Halipilus sp.</i>	-	-	-	-	-	22	-	-	-	22	
	Ptilidae	unidentified	-	-	-	22	-	-	-	-	-	22	
Collembola	Isotomidae	<i>Isotomurus tricolor</i>	-	-	43	-	-	-	-	-	43	86	
Copepoda	Calanoida	unidentified	-	-	-	-	-	-	-	-	-	539	
	Cyclopoida	unidentified	-	43	86	-	-	2,026	259	-	259	3,621	
	Harpacticoida	unidentified	-	-	-	-	-	216	-	-	-	2,241	
Diptera	Ceratopogonidae	unidentified	-	-	43	-	22	474	2,543	-	43	4,784	
	Chaoboridae	<i>Chaoborus sp.</i>	-	-	-	-	-	-	-	-	-	259	
	Chironomidae	<i>Chironomini sp.</i>	43	43	1,207	43	-	302	1,853	345	1,207	13,987	
		<i>Coelotanypodini sp.</i>	-	-	-	-	-	-	-	-	-	-	172
		<i>Orthocladinae sp.</i>	-	-	-	-	-	108	948	-	43	1,573	
		<i>Pentaneurini sp.</i>	-	-	86	-	43	1,099	819	216	-	2,996	
		<i>Procladini sp.</i>	-	-	1,466	-	22	65	4,784	776	43	10,043	
		<i>Tanypodini sp.</i>	-	-	-	-	-	-	43	-	-	-	474
		<i>Tanytarsini sp.</i>	-	-	-	-	65	711	4,353	86	86	86	6,272
	unidentified	-	-	-	-	-	22	-	-	-	-	22	
	Culicidae	<i>Culex sp.</i>	-	-	-	-	-	-	-	-	43	43	
	Dixidae	<i>Dixella sp.</i>	-	-	-	-	-	-	-	-	-	43	
Ephydriidae	<i>Hydrellia sp.</i>	-	-	-	-	-	-	43	-	-	43		
Tabanidae	<i>Chrysops sp.</i>	-	-	-	-	-	-	86	-	-	86		
Ephemeroptera	Caenidae	<i>Caenis sp.</i>	-	-	-	-	-	1,207	1,595	-	-	3,664	
	Ephemeridae	<i>Hexagenia sp.</i>	-	-	-	-	-	-	-	-	-	560	
	Leptophlebiidae	<i>Paraleptophlebia sp.</i>	-	-	-	-	-	-	-	-	-	22	
	unidentified	-	-	-	-	22	-	-	-	-	-	108	
Hemiptera	Corixidae	<i>Sigara sp.</i>	-	-	-	-	-	-	43	-	-	43	
Hirudinea	Glossiphoniidae	<i>Glossiphonia sp.</i>	-	-	-	-	-	22	-	-	-	22	
		<i>Helobdella stagnalis</i>	22	-	-	-	-	22	-	-	-	172	
		<i>Placobdella sp.</i>	-	-	-	-	-	-	-	-	-	-	22
Hymenoptera	unidentified	-	-	43	-	-	-	-	-	-	-	43	
Lepidoptera	unidentified	-	-	-	-	-	-	-	-	-	-	43	
Megaloptera	Sialidae	<i>Sialis sp.</i>	-	-	-	-	-	-	-	-	-	129	

Table - 10: Benthic Invertebrate Density (n/m²), 2011

Order	Family	Species	Anderson Creek		Ghost Creek	Stall Creek			Tern Ditch	Threehouse Creek	Unnamed Creek 1	Grand Total
			ANC-01B	ANC-02A	GHC-01A	STC-01A	STC-02A	STC-03B	TED-01A	THC-01A	UC1-01A	
Neotaenioglossa	Hydrobiidae	<i>Amnicola limosa</i>	-	-	-	-	-	-	-	-	-	302
		<i>Amnicola sp.</i>	-	-	-	-	-	-	-	-	-	431
		<i>Amnicola walkeri</i>	-	-	-	-	-	-	-	-	-	259
		<i>Cincinnatia cincinnatiensis</i>	-	-	-	-	-	-	-	-	-	1,422
		<i>Marstonia decepta</i>	-	-	-	-	-	-	-	-	-	43
		unidentified	-	-	-	-	-	-	-	-	-	172
Odonata (Anisoptera)	Corduliidae	<i>Cordulia shurtleffi</i>	-	-	-	-	-	-	86	-	-	129
		<i>Epitheca sp.</i>	-	-	-	-	-	22	-	-	-	22
	Gomphidae	unidentified	-	-	-	-	22	-	-	-	-	22
Odonata (Zygoptera)	Coenagrionidae	<i>Ischnura sp.</i>	-	-	-	-	-	-	43	-	-	43
Oligochaeta	Naididae	<i>Nais sp.</i>	-	-	-	-	-	22	-	-	-	22
		<i>Stylaria lacustris</i>	-	-	-	-	-	-	-	-	-	345
	Tubificidae	unidentified with hair setae	-	-	-	-	-	-	-	-	-	129
		unidentified without hair setae	-	-	-	-	-	-	-	-	-	86
Ostracoda	unidentified	-	-	43	43	-	991	1,853	-	86	4,353	
Plecoptera	unidentified	-	-	-	-	-	43	-	-	-	43	
Prosobranchia	Valvatidae	<i>Valvata sincera</i>	-	-	-	-	-	65	-	43	-	108
		<i>Valvata sincera var. ontariensis</i>	-	-	-	-	-	-	-	-	-	43
		<i>Valvata tricarinata</i>	-	-	-	-	-	-	65	-	-	323
Trichoptera	Leptoceridae	<i>Oecetis sp.</i>	-	-	-	-	-	-	-	-	-	108
		<i>Triaenodes sp.</i>	-	-	-	-	-	-	-	-	-	43
	Molannidae	<i>Molanna sp.</i>	-	-	-	-	-	-	-	-	-	43
	Phryganeidae	<i>Agrypnia sp.</i>	-	-	-	-	-	-	-	-	-	86
		<i>Phryganea sp.</i>	-	-	-	-	-	-	-	-	-	43
		<i>Ptilostomis sp.</i>	-	-	-	-	-	-	-	-	43	43
Polycentropodidae	unidentified	-	-	-	-	-	-	43	-	-	43	
Trombidiformes	Arrenuridae	<i>Arrenurus sp.</i>	-	-	-	-	-	-	43	-	-	65
	Hygrobatidae	<i>Megapus sp.</i>	-	-	-	-	-	-	-	-	-	86
	Limnesiidae	<i>Limnesia sp.</i>	-	-	-	-	-	-	-	-	-	43
	Mideopsidae	<i>Mideopsis sp.</i>	-	-	-	-	-	-	-	-	-	43
	Unionicolidae	<i>Neumania sp.</i>	-	-	-	-	-	-	-	-	-	43
	unidentified	-	-	-	-	-	43	43	-	-	-	129
Veneroida	Pisiidae	<i>Pisidium sp.</i>	22	-	-	-	-	-	43	-	-	129
		<i>Sphaerium simile</i>	-	-	-	-	-	-	259	-	-	259
		unidentified	-	-	-	-	-	-	345	86	733	2,694
Unidentified	-	-	-	43	-	22	43	-	-	216	4,461	
Grand Total			86	86	3,060	108	216	8,039	21,466	1,638	4,569	76,896

Table - 11: Benthic Invertebrate Indices for Waterbodies in Snow Lake Region, 2011

Waterbody	Station ID	Total Density (n/m ²)	Family Richness	Evenness	SDI	BCI	% EPT	% Unid
Anderson Bay	ANB-01A	3,491	14	0.22	0.67	0.71	5%	11%
	ANB-02A	3,276	10	0.38	0.74	0.76	0%	0%
	ANB-03A	2,974	9	0.47	0.76	0.82	0%	17%
	ANB-04A	4,267	16	0.36	0.82	0.58	8%	8%
	ANB-05A	1,293	9	0.40	0.72	0.59	3%	7%
	ANB-06A	1,552	7	0.53	0.73	0.77	3%	14%
	ANB-07A	1,853	6	0.31	0.47	0.59	12%	5%
	ANB-08A	1,422	7	0.71	0.80	0.83	6%	48%
	ANB-09A	4,138	9	0.67	0.83	0.79	1%	66%
	ANB-10A	4,353	10	0.23	0.56	0.66	7%	15%
Arm Lake	ARL-01A	1,724	7	0.37	0.62	*	20%	3%
Gaspard Lake	GSL-01A	129	4	0.90	0.72	0.88	33%	0%
Ghost Lake	GHL-01A	474	4	0.55	0.55	0.61	18%	0%
	GHL-02A	129	2	1.00	0.50	0.95	0%	33%
	GHL-03A	129	3	1.00	0.67	0.95	0%	0%
Nutt Lake	NTL-01A	1,897	8	0.50	0.75	0.74	1%	2%
Threehouse Lake	THL-01A	172	2	0.64	0.22	0.84	0%	0%
	THL-02A	65	2	0.90	0.44	0.93	0%	0%
	THL-03A	991	5	0.26	0.24	0.39	2%	7%
Unnamed Lake 1	UL1-01A	3,297	6	0.33	0.49	0.73	3%	0%
Anderson Creek	ANC-01B	86	3	0.89	0.63	0.97	0%	0%
	ANC-02A	86	2	1.00	0.50	0.94	0%	0%
Ghost Creek	GHC-01A	3,060	6	0.20	0.16	**	0%	4%
Stall Creek	STC-01A	108	3	0.93	0.64	0.94	0%	40%
	STC-02A	216	3	0.56	0.41	0.95	10%	10%
	STC-03B	8,039	15	0.34	0.81	0.89	16%	16%
Tern Ditch	TED-01A	21,466	15	0.17	0.61	0.76	8%	9%
Threehouse Creek	THC-01A	1,638	5	0.26	0.24	0.48	0%	3%
Unnamed Creek 1	UC1-01A	4,569	10	0.39	0.74	0.60	1%	43%

Notes:

Family Richness, Evenness and SDI includes organisms unidentified to family level only if there are no other families identified in that order.

Total Density and BCI calculations includes all organisms.

** = identified as reference lake for BCI calculation, as it had similar values of density and diversity as the median value across all lakes.*

*** = identified as reference creek for BCI calculation, as it had similar values of density and diversity as the median value across all creeks.*

%EPT = Percent of total density is: Ephemeroptera, Plecoptera, and Trichoptera; % Unid = percent of total density that is organisms unidentified below family level; SDI = Simpson's Diversity Index; BCI = Bray-Curtis Index.

Table - 12: Fishing Effort in the Project Area, 2011-2012

Waterbody	Fishing Method	Station	Start UTM (14U)		End UTM (14U)		Set					Finish					Settings	
			Northing	Easting	Northing	Easting	Date	Time	Water Temp. (°C)	pH	Sp. Cond. (mS/cm)	Date	Time	Water Temp. (°C)	pH	Sp. Cond. (mS/cm)		
Anderson Bay (in Wekusko Lake)	Standard Gang Gill Net	ANB-GN01-P11	6076215	439200	6076348	439181	23-May-11	16:45	-	-	-	24-May-11	9:46	10.1	8.45	0.179	Estimated 15-20% mortality. Net set perpendicular to shore.	
		ANB-GN03-P11	6076019	438837	6076154	438867		17:30	-	-	-		13:35	11.2	8.35	0.160	Net set parallel to shore.	
		ANB-GN01-F11	6076008	438844	6076059	438978	17-Sep-11	9:29	13.47	8.44	0.154	17-Sep-11	11:49	13.08	8.27	0.149	Net set perpendicular to shore.	
	Small Gang Gill Net	ANB-GN02-P11	6075978	439336	6075999	439308	23-May-11	17:05	-	-	-	24-May-11	13:35	10.1	8.45	0.179	Net set perpendicular to shore.	
		ANB-GN02-F11	6075915	439263	6075938	439232	17-Sep-11	9:49	13.14	7.90	0.169	17-Sep-11	13:23	13.34	8.41	0.190	Net set perpendicular to shore.	
		ANB-GN01-U12	6075875	439284	6075845	439265	17-Jun-12	12:00	15.2	7.64	0.176	17-Jun-12	12:30	15.2	7.64	0.176	-	
	Minnow Trap	ANB-GN02-U12	6075649	439293	6075637	439288	18-Jun-12	11:45	15.0	8.02	0.186	18-Jun-12	13:00	16.0	8.05	0.170	-	
		ANB-MT01-P11	6075346	438639	-	-	23-May-11	16:06	-	-	-	24-May-11	18:30	11.5	8.41	0.158	-	
		ANB-MT02-P11	6075958	438634	-	-		16:17	-	-	-		18:38	12.0	8.29	0.163	-	
		ANB-MT03-P11	6076618	439504	-	-		16:29	-	-	-		16:40 ^a	-	-	-	-	
		ANB-MT04-P11	6076276	439258	-	-		16:49	-	-	-		17:05	-	-	-	-	
		ANB-MT05-P11	6076107	439181	-	-		17:09	-	-	-		17:13	12.0	8.50	0.179	-	
		ANB-MT06-P11	6075693	439264	-	-		17:39	-	-	-		17:37	13.9	8.47	0.160	-	
		ANB-MT07-P11	6075400	439197	-	-		17:45	-	-	-		18:23	11.9	-	0.169	-	
		ANB-MT01-U12	6075875	439284	-	-	17-Jun-12	11:05	15.2	7.64	0.176	19-Jun-12	14:25	17.7	8.08	0.243	check 18-Jun-12; 439504 6076625-19-Jun-12 re-set	
ANB-MT02-U12		6076164	439204	-	-	11:15		14.8	7.82	0.169	14:25		-	-	-	check 18-Jun-12; 439504 6076625-19-Jun-12 re-set		
ANB-MT03-U12		6076625	439504	-	-	11:20		15.5	7.07	0.373	14:30		-	-	-	-		
ANB-MT04-U12		6075970	438632	-	-	11:40		14.9	7.68	0.179	14:30		-	-	-	-		
Arm Lake	Minnow Trap	ARL-MT01-P11	6079261	430276	-	-	29-May-11	16:20	13.91	6.88	0.044	30-May-11	15:28	15.5	7.65	0.051	-	
		ARL-MT02-P11	6079383	430450	-	-		16:28	14.24	6.43	0.047		15:20	17.9	7.36	0.055	-	
		ARL-MT03-P11	6079247	430206	-	-		16:42	14.43	6.51	0.045		15:00	17.9	7.36	0.055	-	
		ARL-MT04-P11	6079029	430171	-	-		16:52	14.43	6.82	0.045		15:00	-	-	-	-	
		ARL-MT05-P11	6079089	430152	-	-		16:47	14.47	7.02	0.045		15:00	17.9	7.36	0.055	-	
Gaspard Lake	Small Gang Gill Net	GSL-GN01-P11	6078739	432943	6078706	432956	28-May-11	11:43	14.64	6.97	0.075	29-May-11	10:30	12.2	8.40	0.079	Net set perpendicular to shore.	
	Minnow Trap	GSL-MT01-P11	6078586	432721	-	-		11:04	13.54	6.69	0.076		9:00	10.7	7.84	0.084	-	
		GSL-MT02-P11	6078498	432811	-	-		11:14	13.62	6.74	0.075		9:30	11.2	7.79	0.069	-	
		GSL-MT03-P11	6078537	432944	-	-		11:17	13.85	6.82	0.074		10:00	11.5	8.00	0.078	-	
		GSL-MT04-P11	6078739	432943	-	-		11:20	14.61	7.04	0.075		10:17	12.2	8.40	0.079	-	
		GSL-MT05-P11	6078772	433030	-	-		11:26	14.28	7.63	0.076		10:40	12.2	8.40	0.079	-	
Ghost Lake	Standard Gang Gill Net	GHL-GN01-P11	6078226	429394	6078103	429467	20-May-11	14:15	18.3	8.36	0.092	21-May-11	11:40	17.5	8.34	0.092	Net set perpendicular to shore. 102mm panel was twisted.	
	Small Gang Gill Net	GHL-GN02-P11	6077111	428865	6077120	428910		14:44	18.0	8.34	0.093		12:53	18.3	8.36	0.092	Net set parallel to shore.	
	Minnow Trap	GHL-MT01-P11	6077627	428820	-	-		13:28	17.8	8.44	0.093		10:47	17.3	8.21	0.091	-	
		GHL-MT02-P11	6078451	429464	-	-		13:59	18.6	8.01	0.092		11:18	17.5	8.11	0.092	-	
		GHL-MT03-P11	6077809	429629	-	-		14:29	18.3	8.42	0.091		12:02	17.7	8.42	0.092	-	
		GHL-MT04-P11	6077177	429126	-	-		14:37	18.4	8.28	0.092		12:42	17.6	8.13	0.094	-	
		GHL-MT05-P11	6077090	428702	-	-		14:50	18.1	8.22	0.093		13:25	17.7	8.30	0.092	-	
		GHL-MT01-U12	6077232	428647	-	-		-	17.3	7.93	0.105		17-Jun-12	-	7.3	7.66	0.101	Water temp at finish may be incorrect.
		GHL-MT02-U12	6077242	428658	-	-		-	17.3	7.93	0.105		18-Jun-12	-	7.3	7.66	0.101	Water temp at finish may be incorrect.
		GHL-MT03-U12	6077259	428676	-	-		-	17.3	7.93	0.105		19-Jun-12	-	7.3	7.66	0.101	Water temp at finish may be incorrect.
GHL-MT04-U12	6077250	428672	-	-	-	17.3	7.93	0.105	20-Jun-12	-	7.3	7.66	0.101	Water temp at finish may be incorrect.				

Notes:

^a End time is approximate.

^b UTM's are approximate.

m = metres; °C = degrees Celsius; Sp.Cond (mS/cm) = Specific conductance in milliSiemens per centimetre; - = not applicable/measured; BKSB = Brook Stickleback.

Table - 12: Fishing Effort in the Project Area, 2011-2012

Waterbody	Fishing Method	Station	Start UTM (14U)		End UTM (14U)		Set					Finish					Settings
			Northing	Easting	Northing	Easting	Date	Time	Water Temp. (°C)	pH	Sp. Cond. (mS/cm)	Date	Time	Water Temp. (°C)	pH	Sp. Cond. (mS/cm)	
Goose Bay (in Wekusko Lake)	Standard Gang Gill Net	GSB-GN01-F11	6062936	438786	6063013	438704	13-Sep-11	9:30	16.0	7.60	0.173	13-Sep-11	12:00	16.0	8.40	0.172	Net set perpendicular to shore.
	Small Gang Gill Net	GSB-GN02-F11	6062755	438619	6062775	438593	13-Sep-11	9:45	16.0	7.60	0.173	13-Sep-11	15:50	16.0	8.40	0.172	Net set perpendicular to shore.
		GSB-GN01-U12	6062974	438153	6062958	438148	17-Jun-12	13:45	15.3	7.73	0.167	17-Jun-12	15:15	15.3	7.73	0.167	-
	Minnow Trap	GSB-GN02-U12	6062520	437698	6062497	437713	18-Jun-12	14:45	-	-	-	18-Jun-12	15:45	-	-	-	-
		GSB-MT01-F11	6063338	438758	-	-	13-Sep-11	11:50	16.3	7.66	0.173	13-Sep-11	15:30	16.8	8.40	0.172	-
		GSB-MT02-F11	6063290	438614	-	-		12:00	16.1	7.66	0.173		15:35	16.8	8.40	0.172	-
		GSB-MT03-F11	6063147	438454	-	-		12:05	16.1	7.66	0.173		15:40	16.8	8.40	0.173	-
		GSB-MT01-U12	6063159	438446	-	-	17-Jun-12	14:00	16.7	8.17	0.171	19-Jun-12	15:05	-	-	-	-
		GSB-MT02-U12	6062780	438651	-	-		14:05	15.3	7.85	0.163	18-Jun-12	15:15	15.2	7.90	0.165	-
	GSB-MT03-U12	6062307	438261	-	-	14:15		15.5	7.72	0.164	19-Jun-12	15:15	15.8	7.77	0.164	-	
GSB-MT04-U12	6062194	437748	-	-	15:35	14.5	7.62	0.163	19-Jun-12	-	-	-	-	-			
Nutt Lake	Small Gang Gill Net	NTL-GN01-P11	6077724	433829	6077688	433817	28-May-11	15:45	15.1	6.63	0.035	29-May-11	13:30	13.6	7.75	0.040	Net set perpendicular to shore.
	Minnow Trap	NTL-MT01-P11	6077555	433650	-	-		15:19	14.79	6.33	0.035		13:00	13.6	7.75	0.040	-
		NTL-MT02-P11	6077493	433828	-	-		15:24	14.48	6.51	0.027		9:30	13.6	7.75	0.040	-
		NTL-MT03-P11	6077567	433789	-	-		15:27	15.05	6.95	0.037		13:00	13.6	7.75	0.040	-
		NTL-MT04-P11	6077637	433796	-	-		15:31	15.16	6.71	0.035		13:00	13.6	7.75	0.040	-
Threehouse Lake	Standard Gang Gill Net	THL-GN01-P11	6077860	430905	6077996	430915	27-May-11	14:45	17.1	8.75	0.068	28-May-11	10:53	14.50	8.49	0.069	Net set perpendicular to shore.
	Small Gang Gill Net	THL-GN02-P11	6076935	431566	6076924	431534		15:30	17.4	8.69	0.070		10:30	14.96	8.46	0.069	Net set perpendicular to shore.
	Minnow Trap	THL-MT01-P11	6077634	431038	-	-		15:01	17.1	8.75	0.069		10:45	14.30	8.36	0.066	-
		THL-MT02-P11	6076526	431631	-	-		15:20	17.9	8.22	0.067		10:10	14.80	8.36	0.068	-
		THL-MT03-P11	6078292	431205	-	-		15:56	18.0	8.08	0.067		11:30	14.80	8.36	0.068	-
		THL-MT04-P11	6078525	430680	-	-		16:05	17.5	7.80	0.069		11:08	14.80	8.36	0.068	-
Unnamed Lake 1	Small Gang Gill Net	UL1-GN01-P11	6077902	434620	6077918	434593	29-May-11	11:39	12.22	6.96	0.039	30-May-11	10:00	12.6	7.81	0.044	Net set perpendicular to shore.
	Minnow Trap	UL1-MT01-P11	6077957	434662	-	-		11:15	12.24	6.60	0.039		10:00	12.6	7.81	0.044	-
		UL1-MT02-P11	6077969	434503	-	-		11:20	12.19	7.18	0.039		10:00	12.6	7.81	0.044	-
		UL1-MT03-P11	6077903	434417	-	-		11:23	12.06	7.03	0.038		10:00	12.6	7.81	0.044	-
		UL1-MT04-P11	6077836	434512	-	-		11:27	11.91	7.34	0.012		10:00	12.6	8.71	0.044	-
		UL1-MT05-P11	6077901	434630	-	-		11:31	12.22	6.96	0.039		10:00	12.6	7.81	0.044	-
Anderson Creek	Electrofishing	ANC-EF01-P11	6077636	439102	6077650	439095	22-May-11	14:50	-	-	-	22-May-11	-	-	-	-	EF Model LR24: 193 Volts; 0.36 Amps; 12% Duty; 72 Hertz. Direction: moving upstream. Area: distance 25m; width 2m.
		ANC-EF02-P11 ^a	6077567	439178	-	-		16:30	17.0	8.60	0.513		-	-	-	-	EF Model LR24: 193 Volts; 0.36 Amps; 12% Duty; 72 Hertz. Direction: moving upstream. Area: distance 15m; width 3m.
		ANC-EF03-P11	6077058	439582	6077015	439559	30-May-11	11:28	14.09	7.99	0.517	30-May-11	-	-	-	-	EF Model LR24: 200 Volts; 12% Duty; 60 Hertz. Direction: moving downstream. Area: distance 100m; width 1m.
	Minnow Trap	ANC-MT01-P11	6077635	439106	-	-	22-May-11	14:41	16.7	8.42	0.550	23-May-11	13:45	14.7	8.55	0.512	-
		ANC-MT02-P11	6077612	439143	-	-		15:47	16.8	8.58	0.511		14:02	14.6	8.31	0.510	-
		ANC-MT03-P11	6077614	439210	-	-		16:09	16.9	8.54	0.510		13:54	14.5	8.36	0.512	-
	Dip Net	ANC-DP01-P11 ^a	6077612	439143	-	-	22-May-11	16:30	-	-	-	22-May-11	-	-	-	-	Several dips with electrofishing net in large school of young-of-year BKSB.

Notes:

^a End time is approximate.

^b UTM's are approximate.

m = metres; °C = degrees Celsius; Sp.Cond (mS/cm) = Specific conductance in milliSiemens per centimetre; - = not applicable/measured; BKSB = Brook Stickleback.

Table - 12: Fishing Effort in the Project Area, 2011-2012

Waterbody	Fishing Method	Station	Start UTM (14U)		End UTM (14U)		Set				Finish				Settings		
			Northing	Easting	Northing	Easting	Date	Time	Water Temp. (°C)	pH	Sp. Cond. (mS/cm)	Date	Time	Water Temp. (°C)		pH	Sp. Cond. (mS/cm)
Ghost Creek	Minnow Trap	GHC-MT01-P11	6078692	429681	-	-	21-May-11	15:19	20.1	7.37	0.096	22-May-11	13:22	17.8	7.25	0.093	-
		GHC-MT02-P11	6078689	429676	-	-		15:30	20.3	7.19	0.095		12:22	18.0	7.12	0.095	-
		GHC-MT03-P11	6078750	429705	-	-		15:42	20.5	7.17	0.098		13:33	24.2	7.36	0.097	-
		GHC-MT04-P11	6078706	429709	-	-		15:52	20.5	7.17	0.098		13:47	24.2	7.36	0.097	-
Stall Creek	Electrofisher	STC-EF01-P11	6078980	441231	6078958	441251	25-May-11	16:20	6.0	7.90	0.458	25-May-11	16:20	-	-	-	EF Model LR24: 200 Volts; 0.3 Amps; 12% Duty; 60 Hertz. Area: distance 25m.
		STC-EF02-P11	6077048	439887	6077038	439882		14:41	14.97	7.38	0.217		14:41	-	-	-	EF Model LR24: 200 Volts; 12% Duty; 60 Hertz. Direction: moving downstream. Area: distance 20m; width 1m.
		STC-EF03-P11 ^b	6078352	441355	6078343	441371	30-May-11	16:30	-	-	-	30-May-11	16:30	-	-	-	EF Model LR24: 500 Volts; 12% Duty; 60 Hertz. Direction: moving along lakeshore. Area: distance 20m; width 5m.
Tern Ditch	Electrofishing	TED-EF01-P11	6080740	427806	6080729	427804	20-May-11	17:30	20.1	7.71	0.131	20-May-11	-	-	-	-	EF Model LR24: 100 Volts; 25% Duty; 60 Hertz. Direction: moving upstream. Area: distance 10m; width 2m.
	Minnow Trap	TED-MT01-P11	6080740	427806	-	-		16:42	16.4	7.81	0.143	21-May-11	9:18	20.0	7.68	0.122	-
		TED-MT02-P11	6080685	427801	-	-	16:49	17.1	7.62	0.130	9:52		17.1	7.62	0.130	-	
		TED-MT03-P11	6080677	427799	-	-	16:56	20.8	7.73	0.128	9:52		17.1	7.62	0.130	-	
Threehouse Creek	Minnow Trap	THC-MT01-P11	6078872	430421	-	-	21-May-11	13:45	15.99	7.03	0.048	22-May-11	10:47	-	-	-	-
		THC-MT02-P11	6078877	430406	-	-		13:30	16.97	7.19	0.045		10:38	15.8	6.97	0.052	-
		THC-MT03-P11	6078887	430387	-	-		13:30	16.58	7.27	0.046		10:34	17.6	7.03	0.050	-
		THC-MT04-P11	6078815	430450	-	-		14:25	17.38	6.90	0.070		10:48	13.2	6.97	0.077	-
		THC-MT01-P12	6078833	430458	-	-	16-Jun-12	15:00	14.8	7.78	0.069	17-Jun-12	9:15	13.1	7.15	0.064	-
		THC-MT02-P12	6078818	430400	-	-		15:00	14.8	7.78	0.069		9:15	13.1	7.15	0.064	-
		THC-MT03-P12	6078818	430455	-	-		15:00	14.8	7.78	0.069		9:15	13.1	7.15	0.064	-
Unnamed Creek 1	Minnow Trap	UC1-MT01-P11	6078925	435050	-	-	21-May-11	12:00	14.19	7.81	0.079	22-May-11	9:46	12.2	7.39	0.090	-
		UC1-MT02-P11	6078955	435077	-	-		12:05	13.65	7.67	0.083		9:38	11.7	7.40	0.087	-
		UC1-MT03-P11	6078984	435095	-	-		12:07	12.91	7.63	0.079		9:33	12.0	7.34	0.082	-
		UC1-MT04-P11	6078915	435068	-	-		12:10	11.37	7.57	0.234		9:53	11.0	7.48	0.200	-

Notes:

^a End time is approximate.

^b UTM's are approximate.

m = metres; °C = degrees Celsius; Sp.Cond (mS/cm) = Specific conductance in milliSiemens per centimetre; - = not applicable/measured; BKSB = Brook Stickleback.

Table - 13: Catch-Per-Unit Effort, 2011-2012

Waterbody	Season	Fishing Method	Panel Size (mm)	Effort ^a	BKSB		BNSH		CISC		EMSH		FTMW		IWDT		JHDT		LKWF		LNSK		NRPK		PRDC			
					n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE
Anderson Bay (in Wekusko Lake)	Spring	Standard Gang Gill Net	38	37.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	0.22	-	-	4	0.11	-	-		
			51		-	-	-	-	2	0.05	-	-	-	-	-	-	-	-	-	2	0.05	-	-	9	0.24	-	-	
			76		-	-	-	-	1	0.03	-	-	-	-	-	-	-	-	-	-	-	-	1	0.03	11	0.30	-	-
			89		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	0.13	-	-	19	0.51	-	-
			102		-	-	-	-	1	0.03	-	-	-	-	-	-	-	-	-	-	8	0.22	3	0.08	14	0.38	-	-
			127		-	-	-	-	7	0.19	-	-	-	-	-	-	-	-	-	-	10	0.27	9	0.24	6	0.16	-	-
	Small Gang Gill Net	13	20.5	2	0.10	-	-	-	-	-	-	-	-	-	-	-	-	1	0.05	-	-	-	-	-	-	-		
		19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.05	-	-	-	-	-	-		
		25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	0.24	-	-		
	Minnow Trap	-	173.7	236	1.36	-	-	-	-	-	-	-	149	0.86	-	-	-	-	-	-	-	-	-	-	-	-		
	Fall	Standard Gang Gill Net	38	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			51		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.43	-	-	-	-	-	-	
			76		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.86	-	-	4	1.72	-	-	
			89		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	3.4	-	-	-	-	-	-	
			102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1.7	-	-	-	-	-	-	
		127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2.1	-	-	-	-	-	-			
	Small Gang Gill Net	13	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.28	-	-		
		25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Summer	Small Mesh Gill Net	13	1.8	-	-	-	-	-	-	33	18.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25			-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Minnow Trap		n/a	204.5	2	1.1	-	-	-	-	1	0.57	10	5.7	-	-	-	-	-	-	-	-	-	-	-	-			
Minnow Trap	-	107.7	14	0.13	1	0.6	-	-	-	-	-	4	2.3	6	3.4	-	-	-	-	-	-	-	-	-				
Arm Lake	Spring	Minnow Trap	-	107.7	14	0.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Gaspard Lake	Spring	Small Gang Gill Net	13	22.8	2	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Minnow Trap	-	113.1	230	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Ghost Lake	Spring	Standard Gang Gill Net	38	21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			51		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			76		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			89		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Small Gang Gill Net	13	22.2	45	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	Minnow Trap	-	108.9	76	0.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Summer	Minnow Trap	-	-	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					

Notes:

* = No end time recorded, not able to calculate effort for minnow trap.

^a Effort for gill nets and minnow traps is in hours. Effort for electrofishing is in seconds.

BKSB = Brook Stickleback; BNSH = Blacknose Shiner; CISC = Cisco; EMSh = Emerald Shiner; FTMW = Fathead Minnow; IWDT = Iowa Darter; JHDT = Johnny Darter; LKWF = Lake Whitefish; LNSK = Longnose Sucker; NRPK = Northern Pike; PRDC = Pearl Dace; RVSH = River Shiner; STSH = Spottail Shiner; TRPR = Trout Perch; WALL = Walleye; WHSK = White Sucker; YLPR = Yellow Perch; - = not applicable.

Table - 13: Catch-Per-Unit Effort, 2011-2012

Waterbody	Season	Fishing Method	Panel Size (mm)	Effort ^a	BKSB		BNSH		CISC		EMSH		FTMW		IWDT		JHDT		LKWF		LNSK		NRPK		PRDC				
					n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	
Goose Bay (in Wekusko Lake)	Fall	Standard Gang Gill Net	38	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1.6	-	-	-	-	-	-		
			51		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1.6	-	-	6	2.40	-	-	
			76		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.80	-	-	3	1.20	-	-	
			89		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			127		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.80	-	-	-	-	-	-
	Summer	Small Gang Gill Net	13	6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.16	-	-	-	-	-	-	-
	Summer	Minnow Trap	-	10.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			13	2.5	-	-	-	-	-	-	-	-	4	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			19		-	-	1	0.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
n/a	-	-	-		-	-	-	-	1	0.40	2	0.80	-	-	-	-	-	-	-	-	-	-	-	-	-				
Nutt Lake	Spring	Small Gang Gill Net	13	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			25		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Threehouse Lake	Spring	Standard Gang Gill Net	38	20.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
			51		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			76		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			89		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			102		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			127		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Small Gang Gill Net	13	19.0	18	0.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			25	77.2	1	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Unnamed Lake 1	Spring	Minnow Trap	-	113.1	7	0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
			13	22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
25	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
Anderson Creek	Spring	Electrofishing	-	783	33	0.04	-	-	-	-	-	-	2	0.003	3	0.004	-	-	-	-	-	-	-	-	-	-			
		Minnow Trap	-	67.1	50	0.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	1.2			
Ghost Creek	Spring	Minnow Trap	-	86.7	544	6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Stall Creek	Spring	Electrofishing	-	425	17	0.04	-	-	-	-	-	-	1	0.002	-	-	-	-	-	-	-	-	-	-	-	-			
Tern Ditch	Spring	Electrofishing	-	52	1	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
		Minnow Trap	-	50.6	46	0.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Threehouse Creek	Spring	Minnow Trap	-	83.6	60	0.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	Summer	Minnow Trap	-	18.2	45	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Unnamed Creek 1	Spring	Minnow Trap	-	86.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Overall	Standard Gang Gill Net		-	83.5	-	-	-	-	11	0.13	-	-	-	-	-	-	-	-	65	0.78	13	0.16	76	0.91	-	-			
	Small Gang Gill Net		-	142.4	70	0.49	1	0.007	-	-	35	0.25	16	0.11	-	-	1	0.007	2	0.014	-	-	6	0.042	-	-			
	Electrofishing		-	1260	51	0.04	-	-	-	-	-	-	3	0.002	3	0.002	-	-	-	-	-	-	-	-	-	-			
	Minnow Trap		-	1458.6	1421	0.97	1	0.001	-	-	-	-	153	0.10	6	0.004	-	-	-	-	-	-	1	0.001	82	0.056			

Notes:

* = No end time recorded, not able to calculate effort for minnow trap.

^a Effort for gill nets and minnow traps is in hours. Effort for electrofishing is in seconds.

BKSB = Brook Stickleback; BNSH = Blacknose Shiner; CISC = Cisco; EMSH = Emerald Shiner; FTMW = Fathead Minnow; IWDT = Iowa Darter; JHDT = Johnny Darter; LKWF = Lake Whitefish; LNSK = Longnose Sucker; NRPK = Northern Pike; PRDC = Pearl Dace; RVSH = River Shiner; STSH = Spottail Shiner; TRPR = Trout Perch; WALL = Walleye; WHSK = White Sucker; YLPR = Yellow Perch; - = not applicable.

Table - 13: Catch-Per-Unit Effort, 2011-2012

Waterbody	Season	Fishing Method	Panel Size (mm)	Effort ^a	RVSH		STSH		TRPR		WALL		WHSK		YLPR		Total		
					n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	
Anderson Bay (in Wekusko Lake)	Spring	Standard Gang Gill Net	38	37.1	-	-	-	-	-	-	-	-	-	-	40	1.08	52	1.4	
			51		-	-	-	-	-	-	-	5	0.13	25	0.67	43	1.2		
			76		-	-	-	-	-	1	0.03	-	-	-	-	14	0.38		
			89		-	-	-	-	-	3	0.08	9	0.24	2	0.05	38	1.0		
			102		-	-	-	-	-	1	0.03	20	0.54	1	0.03	48	1.3		
			127		-	-	-	-	-	2	0.05	3	0.08	-	-	37	1.0		
	Small Gang Gill Net	13	20.5	3	0.15	1	0.05	-	-	-	-	-	-	6	0.29	13	0.63		
		19		20	0.98	37	1.8	-	-	-	-	-	-	5	0.24	63	3.1		
		25		-	-	-	-	1	0.05	-	-	1	0.05	36	1.8	43	2.1		
	Minnow Trap	-	173.7	-	-	-	-	-	-	-	-	-	1	0.01	1	0.01	387	2.2	
	Fall	Standard Gang Gill Net	38	2.3	-	-	-	-	-	-	-	-	-	1	0.43	7	3.0	8	3.4
			51		-	-	-	-	-	-	-	1	0.43	3	1.3	5	2.1		
			76		-	-	-	-	-	-	-	-	-	1	0.43	7	3.0		
			89		-	-	-	-	-	-	-	5	2.1	-	-	13	5.6		
			102		-	-	-	-	-	-	-	1	0.43	-	-	5	2.1		
			127		-	-	-	-	-	-	-	1	0.43	-	-	6	2.6		
	Small Gang Gill Net	13	3.6	3	0.84	-	-	1	0.28	-	-	-	-	-	-	4	1.1		
		19		-	-	2	0.56	-	-	-	-	-	-	34	9.5	37	10.4		
		25		-	-	1	0.28	-	-	-	-	2	0.56	11	3.1	14	3.9		
	Summer	Small Mesh Gill Net	13	1.8	-	-	-	-	-	-	-	-	-	-	-	-	33	18.9	
19			-		-	-	-	-	-	-	-	-	-	-	-	-			
25			-		-	-	-	-	-	1	0.57	-	-	1	0.57	2	1.1		
n/a			-		-	2	1.1	-	-	-	-	-	-	15	8.6	30	17.1		
Minnow Trap	-	204.5	-	-	1	0.57	-	-	-	-	-	-	1	0.57	39	0.2			
Arm Lake	Spring	Minnow Trap	-	107.7	-	-	-	-	-	-	-	-	-	-	-	14	0.13		
Gaspard Lake	Spring	Small Gang Gill Net	13	22.8	-	-	-	-	-	-	-	-	-	-	-	-	2	0.09	
			19		-	-	-	-	-	-	-	-	-	-	-	-			
			25		-	-	-	-	-	-	-	-	-	-	-	-			
Minnow Trap	-	113.1	-	-	-	-	-	-	-	-	-	-	-	-	230	2.0			
Ghost Lake	Spring	Standard Gang Gill Net	38	21.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			51		-	-	-	-	-	-	-	-	-	-	-	-			
			76		-	-	-	-	-	-	-	-	-	-	-	-			
			89		-	-	-	-	-	-	-	-	-	-	-	-			
			102		-	-	-	-	-	-	-	-	-	-	-	-			
			127		-	-	-	-	-	-	-	-	-	-	-	-			
	Small Gang Gill Net	13	22.2	-	-	-	-	-	-	-	-	-	-	-	-	-	45	2.0	
		19		-	-	-	-	-	-	-	-	-	-	-	-				
		25		-	-	-	-	-	-	-	-	-	-	-	-				
	Minnow Trap	-	108.9	-	-	-	-	-	-	-	-	-	-	-	-	76	0.70		
Summer	Minnow Trap	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-			

Notes:

* = No end time recorded, not able to calculate effort for minnow trap.

^a Effort for gill nets and minnow traps is in hours. Effort for electrofishing is in seconds.

BKSB = Brook Stickleback; BNSH = Blacknose Shiner; CISC = Cisco; EMSH = Emerald Shiner; FTMW = Fathead Minnow; IWDT = Iowa Darter; JHDT = Johnny Darter; LKWF= Lake Whitefish; LNSK = Longnose Sucker; NRPK= Northern Pike; PRDC = Pearl Dace; RVSH= River Shiner; STSH= Spottail Shiner; TRPR= Trout Perch; WALL= Walleye; WHSK=White Sucker; YLPR= Yellow Perch; - = not applicable.

Table - 13: Catch-Per-Unit Effort, 2011-2012

Waterbody	Season	Fishing Method	Panel Size (mm)	Effort ^a	RVSH		STSH		TRPR		WALL		WHSK		YLPR		Total	
					n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE	n	CPUE
Goose Bay (in Wekusko Lake)	Fall	Standard Gang Gill Net	38	2.5	-	-	-	-	-	-	-	-	-	-	14	5.6	18	7.2
			51		-	-	-	-	-	1	0.40	1	0.40	6	2.4	18	7.2	
			76		-	-	-	-	-	-	-	9	3.6	-	-	14	5.6	
			89		-	-	-	-	-	-	-	-	-	-	-	-	-	-
			102		-	-	-	-	-	-	1	0.40	9	3.6	-	-	10	4.0
			127		-	-	-	-	-	-	3	1.2	10	4.0	-	-	15	6.0
	Small Gang Gill Net	13	6.1	15	2.5	1	0.16	-	-	1	0.16	-	-	-	-	17	2.8	
		19		3	0.49	2	0.33	-	-	-	-	-	-	11	1.8	16	2.6	
		25		-	-	-	-	1	0.16	1	0.16	-	-	15	2.5	18	3.0	
	Minnow Trap	-	10.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Summer	Small Mesh Gill Net	13	2.5	-	-	-	-	-	-	-	-	-	-	1	0.40	5	2.0
19			-		-	-	-	-	-	-	-	-	1	0.40	2	0.80		
25			-		-	-	-	-	-	-	-	-	5	2.0	5	2.0		
n/a			2		0.80	8	3.2	3	1.2	-	-	-	-	10	4.0	26	10.4	
Minnow Trap	-	74.2	-	-	-	-	-	-	-	-	-	-	-	3	0.04			
Nutt Lake	Spring	Small Gang Gill Net	13	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-	
			19		-	-	-	-	-	-	-	-	-	-	-			
			25		-	-	-	-	-	-	-	-	-	-	-			
Minnow Trap	-	82.8	-	-	-	-	-	-	-	-	-	-	-	-	-			
Threehouse Lake	Spring	Standard Gang Gill Net	38	20.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
			51		-	-	-	-	-	-	-	-	-	-	-			
			76		-	-	-	-	-	-	-	-	-	-	-			
			89		-	-	-	-	-	-	-	-	-	-	-			
			102		-	-	-	-	-	-	-	-	-	-	-			
			127		-	-	-	-	-	-	-	-	-	-	-			
	Small Gang Gill Net	13	19.0	-	-	-	-	-	-	-	-	-	-	-	-	18	0.95	
		19		-	-	-	-	-	-	-	-	-	-	-	-			
25	-	-		-	-	-	-	-	-	-	-	-	-	1	0.05			
Minnow Trap	-	77.2	-	-	-	-	-	-	-	-	-	-	-	7	0.09			
Unnamed Lake 1	Spring	Small Gang Gill Net	13	22.4	-	-	-	-	-	-	-	-	-	-	-	-	-	
			19		-	-	-	-	-	-	-	-	-	-	-			
			25		-	-	-	-	-	-	-	-	-	-	-			
Minnow Trap	-	113.1	-	-	-	-	-	-	-	-	-	-	-	-	-			
Anderson Creek	Spring	Electrofishing	-	783	-	-	-	-	-	-	-	-	-	-	-	38	0.05	
		Minnow Trap	-	67.1	-	-	-	-	-	-	-	-	-	-	-	132	2.0	
Ghost Creek	Spring	Minnow Trap	-	86.7	-	-	-	-	-	-	-	-	-	-	-	544	6.3	
Stall Creek	Spring	Electrofishing	-	425	-	-	-	-	-	-	-	-	-	-	-	18	0.04	
Tern Ditch	Spring	Electrofishing	-	52	-	-	-	-	-	-	-	-	-	-	-	1	0.02	
		Minnow Trap	-	50.6	-	-	-	-	-	-	-	-	-	-	-	46	0.91	
Threehouse Creek	Spring	Minnow Trap	-	83.6	-	-	-	-	-	-	-	-	-	-	-	60	0.72	
	Summer	Minnow Trap	-	18.2	-	-	-	-	-	-	-	-	-	-	-	45	2.47	
Unnamed Creek 1	Spring	Minnow Trap	-	86.5	-	-	-	-	-	-	-	-	-	-	-	-		
Overall	Standard Gang Gill Net		-	83.5	-	-	-	-	-	-	12	0.14	75	0.90	99	1.19	78	0.93
	Small Gang Gill Net		-	142.4	46	0.32	54	0.38	6	0.042	3	0.021	3	0.021	151	1.06	137	0.96
	Electrofishing		-	1260	-	-	-	-	-	-	-	-	-	-	-	57	0.05	
	Minnow Trap		-	1458.6	-	-	1	0.001	-	-	-	-	1	0.001	2	0.001	1668	1.14

Notes:

* = No end time recorded, not able to calculate effort for minnow trap.

^a Effort for gill nets and minnow traps is in hours. Effort for electrofishing is in seconds.

BKSB = Brook Stickleback; BNSH = Blacknose Shiner; CISC = Cisco; ESMH = Emerald Shiner; FTMW = Fathead Minnow; IWDT = Iowa Darter; JHDT = Johnny Darter; LKWF = Lake Whitefish; LNSK = Longnose Sucker; NRPK = Northern Pike; PRDC = Pearl Dace; RVSH = River Shiner; STSH = Spottail Shiner; TRPR = Trout Perch; WALL = Walleye; WHSK = White Sucker; YLPR = Yellow Perch; - = not applicable.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Bay	ANB-GN02-P11	13	BKSB	101	TL	52	-	-	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	BKSB	102	TL	57	-	-	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	FTMW	002	FL	57	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	JNDT	001	TL	57	-	-	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	RVSH	001	FL	58	-	-	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	RVSH	002	FL	76	-	-	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	RVSH	003	FL	66	-	-	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	STSH	001	FL	92	-	-	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	YLPR	052	FL	55	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	YLPR	053	FL	56	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	YLPR	054	FL	50	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	YLPR	055	FL	60	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	YLPR	056	FL	52	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	13	YLPR	057	FL	57	-	-	-	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	LKWF	022	FL	262	-	-	Mo	-	-	-	-	Good	Lesion from gill net
Anderson Bay	ANB-GN02-P11	19	NRPK	019	FL	434	-	-	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	004	FL	57	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	005	FL	62	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	006	FL	62	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	007	FL	64	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	008	FL	67	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	009	FL	72	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	010	FL	68	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	011	FL	68	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	012	FL	68	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	013	FL	69	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	014	FL	57	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	015	FL	69	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	016	FL	62	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	017	FL	92	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	018	FL	84	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	019	FL	92	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	020	FL	97	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	021	FL	92	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	022	FL	96	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	RVSH	023	FL	88	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	002	FL	77	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	003	FL	80	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	004	FL	81	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	005	FL	81	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	006	FL	83	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	007	FL	84	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	008	FL	79	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	009	FL	80	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	010	FL	78	-	-	Mo	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Bay	ANB-GN02-P11	19	STSH	011	FL	73	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	012	FL	85	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	013	FL	82	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	014	FL	77	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	015	FL	81	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	016	FL	76	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	017	FL	81	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	018	FL	76	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	019	FL	73	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	020	FL	84	-	-	Mo	-	-	-	-	See Comment	Black spot
Anderson Bay	ANB-GN02-P11	19	STSH	021	FL	74	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	022	FL	77	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	023	FL	80	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	024	FL	73	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	025	FL	74	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	026	FL	90	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	027	FL	78	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	028	FL	82	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	029	FL	79	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	030	FL	79	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	031	FL	78	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	032	FL	73	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	033	FL	70	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	034	FL	83	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	035	FL	78	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	036	FL	82	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	037	FL	79	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	STSH	038	FL	78	-	-	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	YLPR	058	FL	123	-	-	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	YLPR	059	FL	86	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	YLPR	060	FL	79	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	YLPR	061	FL	82	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	19	YLPR	062	FL	75	-	-	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	NRPK	014	FL	631	-	-	Mo	M	Ad	Sp	-	Good	
Anderson Bay	ANB-GN02-P11	25	NRPK	015	FL	555	-	-	Mo	M	Ad	Sp	-	Good	
Anderson Bay	ANB-GN02-P11	25	NRPK	016	FL	458	-	-	Mo	M	Ad	Sp	-	Good	
Anderson Bay	ANB-GN02-P11	25	NRPK	017	-	-	-	-	-	-	-	-	-	Good	RND
Anderson Bay	ANB-GN02-P11	25	NRPK	018	-	-	-	-	-	-	-	-	-	Good	RND
Anderson Bay	ANB-GN02-P11	25	TRPR	001	FL	99	-	-	-	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	WHSK	023	FL	201	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	017	FL	106	-	-	R	M	Ad	Sp	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	018	FL	96	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	019	FL	93	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	020	FL	92	-	-	Mo	M	Ad	Sp	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	021	FL	94	-	-	Mo	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Bay	ANB-GN02-P11	25	YLPR	022	FL	98	-	-	Mo	M	Ad	Sp	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	023	FL	104	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	024	FL	87	-	-	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	025	FL	100	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	026	FL	101	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	027	FL	88	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	028	FL	95	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	029	FL	97	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	030	FL	111	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	031	FL	94	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	032	FL	94	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	033	FL	97	-	-	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	034	FL	88	-	-	-	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	035	FL	97	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	036	FL	100	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	037	FL	106	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	038	FL	89	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	039	FL	94	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	040	FL	116	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	041	FL	97	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	042	FL	98	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	043	-	-	-	-	Mo	-	-	-	-	Good	RND
Anderson Bay	ANB-GN02-P11	25	YLPR	044	FL	100	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	045	FL	104	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	045	FL	104	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	046	FL	90	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	047	FL	104	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	048	FL	106	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	049	FL	96	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	050	FL	100	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-P11	25	YLPR	051	FL	99	-	-	Mo	-	-	-	-	See Comment	Black spot
Anderson Bay	ANB-GN02-P11	25	YLPR	063	FL	104	-	-	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	004	FL	64	2.3	0.88	ID	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	005	FL	73	4	1.03	ID	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	006	FL	58	2.3	1.18	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	007	FL	48	1	0.90	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	008	FL	59	1.2	0.58	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	009	FL	56	1.7	0.97	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	010	FL	64	2.5	0.95	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	011	FL	56	1.8	1.02	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	012	FL	59	1.8	0.88	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	013	FL	51	1.3	0.98	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	014	FL	55	1.7	1.02	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	015	FL	65	2.4	0.87	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	016	FL	61	2	0.88	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Bay	ANB-MT02-P11	-	FTMW	017	FL	50	1.4	1.12	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	018	FL	55	1.7	1.02	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	019	FL	56	1.7	0.97	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	020	FL	58	2.1	1.08	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	021	FL	58	2.3	1.18	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	022	FL	53	1.7	1.14	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	023	FL	49	1.1	0.93	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	024	FL	43	0.8	1.01	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	025	FL	49	1.3	1.10	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	026	FL	65	3.4	1.24	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	027	FL	66	3.2	1.11	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	028	FL	58	2.4	1.23	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	029	FL	62	3.4	1.43	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	030	FL	51	1.3	0.98	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	031	FL	54	1.3	0.83	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	032	FL	61	3	1.32	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	033	FL	54	1.7	1.08	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	034	FL	56	1.7	0.97	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	035	FL	60	2.6	1.20	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	036	FL	56	2.2	1.25	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	037	FL	46	1	1.03	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	038	FL	58	1.9	0.97	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	039	FL	61	2.1	0.93	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	040	FL	57	2	1.08	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	041	FL	66	3.6	1.25	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	042	FL	49	1.2	1.02	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	043	FL	60	2.1	0.97	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	044	FL	57	2	1.08	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	045	FL	63	2.7	1.08	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	046	FL	51	1.2	0.90	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	047	FL	66	1.4	0.49	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	048	FL	54	1.7	1.08	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	049	FL	53	1.3	0.87	R	-	-	-	-	Good	
Anderson Bay	ANB-MT02-P11	-	FTMW	050	FL	56	2	1.14	R	-	-	-	-	Good	
Anderson Bay	ANB-MT05-P11	-	BKSB	001	TL	60	0.9	0.42	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	002	TL	51	0.8	0.60	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	003	TL	50	0.7	0.56	R	-	-	-	-	See Comment	Heavy black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	004	TL	52	0.7	0.50	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	005	TL	50	0.4	0.32	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	006	TL	49	0.6	0.51	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	007	TL	50	0.6	0.48	R	-	-	-	-	See Comment	Heavy black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	008	TL	47	0.6	0.58	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	009	TL	51	0.8	0.60	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	010	TL	53	1	0.67	R	-	-	-	-	See Comment	Heavy black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	011	TL	48	0.6	0.54	R	-	-	-	-	See Comment	Heavy black spot

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Bay	ANB-MT05-P11	-	BKSB	012	TL	50	0.6	0.48	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	013	TL	50	0.6	0.48	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	014	TL	56	1.1	0.63	R	-	-	-	-	Good	
Anderson Bay	ANB-MT05-P11	-	BKSB	015	TL	46	0.6	0.62	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	016	TL	52	0.8	0.57	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	017	TL	56	1.1	0.63	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	018	TL	50	0.8	0.64	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	019	TL	49	0.7	0.59	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	020	TL	49	0.5	0.42	R	-	-	-	-	See Comment	Lesion on caudal fin
Anderson Bay	ANB-MT05-P11	-	BKSB	021	TL	45	0.6	0.66	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	022	TL	51	0.6	0.45	R	-	-	-	-	Good	
Anderson Bay	ANB-MT05-P11	-	BKSB	023	TL	39	0.8	1.35	R	-	-	-	-	Good	
Anderson Bay	ANB-MT05-P11	-	BKSB	024	TL	52	0.9	0.64	R	-	-	-	-	See Comment	Heavy black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	025	TL	51	0.7	0.53	R	-	-	-	-	Good	
Anderson Bay	ANB-MT05-P11	-	BKSB	027	TL	50	0.9	0.72	R	-	-	-	-	Good	
Anderson Bay	ANB-MT05-P11	-	BKSB	028	TL	44	0.9	1.06	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	029	TL	53	1.2	0.81	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	030	TL	50	0.8	0.64	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT05-P11	-	BKSB	031	TL	48	0.7	0.63	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT06-P11	-	BKSB	032	TL	54	0.6	0.38	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	033	TL	50	0.6	0.48	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	034	TL	60	1.2	0.56	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	035	TL	50	0.7	0.56	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT06-P11	-	BKSB	036	TL	54	0.9	0.57	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	037	TL	55	1	0.60	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	038	TL	50	0.6	0.48	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT06-P11	-	BKSB	039	TL	50	0.7	0.56	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	040	TL	55	0.9	0.54	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	041	TL	61	1.6	0.70	R	F	Ad	Sp	-	See Comment	Field note difficult to read
Anderson Bay	ANB-MT06-P11	-	BKSB	042	TL	58	1.3	0.67	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	043	TL	50	0.8	0.64	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	044	TL	50	0.9	0.72	R	F	Ad	Sp	-	See Comment	Heavy black spot
Anderson Bay	ANB-MT06-P11	-	BKSB	045	TL	44	0.5	0.59	R	-	-	-	-	See Comment	Heavy black spot
Anderson Bay	ANB-MT06-P11	-	BKSB	046	TL	60	1.4	0.65	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	047	TL	52	0.7	0.50	R	-	-	-	-	See Comment	Heavy black spot
Anderson Bay	ANB-MT06-P11	-	BKSB	048	TL	57	1.1	0.59	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	049	TL	46	0.7	0.72	R	-	-	-	-	See Comment	Heavy black spot
Anderson Bay	ANB-MT06-P11	-	BKSB	050	TL	53	0.9	0.60	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	051	TL	46	0.8	0.82	Mo	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	052	TL	59	1.2	0.58	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	053	TL	50	0.9	0.72	R	-	-	-	-	See Comment	Two (2) tumors on left side
Anderson Bay	ANB-MT06-P11	-	BKSB	054	TL	54	1	0.64	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	055	TL	53	0.1	0.07	Mo	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	056	TL	55	0.9	0.54	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	057	TL	55	1.1	0.66	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Bay	ANB-MT06-P11	-	BKSB	058	TL	50	0.7	0.56	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT06-P11	-	BKSB	059	TL	50	0.8	0.64	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT06-P11	-	BKSB	060	TL	55	1.1	0.66	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	061	TL	53	0.7	0.47	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	062	TL	52	0.7	0.50	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	063	TL	50	1.2	0.96	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	064	TL	54	1.2	0.76	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	065	TL	56	1.3	0.74	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	066	TL	55	0.8	0.48	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	067	TL	54	1.1	0.70	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	068	TL	52	1	0.71	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	069	TL	56	1.2	0.68	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	070	TL	54	1	0.64	Mo	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	071	TL	55	0.9	0.54	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	072	TL	57	1.3	0.70	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	073	TL	57	1.3	0.70	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	074	TL	58	1.4	0.72	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	075	TL	58	1	0.51	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	076	TL	59	0.9	0.44	Mo	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	077	TL	54	0.8	0.51	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	078	TL	50	0.6	0.48	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	079	TL	51	0.8	0.60	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	080	TL	54	1	0.64	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	081	TL	58	1.5	0.77	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	082	TL	52	0.9	0.64	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	083	TL	56	0.9	0.51	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	084	TL	57	0.8	0.43	R	-	-	-	-	See Comment	Minor black spot
Anderson Bay	ANB-MT06-P11	-	BKSB	085	TL	50	0.9	0.72	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	086	TL	61	1.4	0.62	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	087	TL	59	1.2	0.58	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	088	TL	52	0.7	0.50	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	089	TL	52	0.9	0.64	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	090	TL	50	0.8	0.64	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	091	TL	54	0.6	0.38	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	092	TL	51	0.8	0.60	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	093	TL	56	1.1	0.63	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	094	TL	56	1	0.57	R	-	-	-	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	095	TL	65	1.6	0.58	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	096	TL	51	1.1	0.83	R	F	Ad	Sp	-	See Comment	Tumor on caudal fin
Anderson Bay	ANB-MT06-P11	-	BKSB	097	TL	52	1.1	0.78	R	-	-	-	-	See Comment	Tumor on left gill
Anderson Bay	ANB-MT06-P11	-	BKSB	098	TL	56	1.3	0.74	R	-	-	-	-	See Comment	Tumor on ventral side
Anderson Bay	ANB-MT06-P11	-	BKSB	099	TL	55	1.2	0.72	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	BKSB	100	TL	52	0.8	0.57	R	-	-	-	-	See Comment	Two (2) tumors on head
Anderson Bay	ANB-MT06-P11	-	FTMW	001	FL	53	1.3	0.87	R	F	Ad	Sp	-	Good	
Anderson Bay	ANB-MT06-P11	-	FTMW	002	FL	52	1.1	0.78	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Bay	ANB-MT06-P11	-	YLPR	016	FL	66	2.1	0.73	R	-	-	-	-	Good	
Anderson Bay	ANB-MT07-P11	-	FTMW	003	FL	62	1.8	0.76	R	F	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	38	WHSK	002	FL	160	50.5	1.23	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	38	YLPR	002	FL	158	33.2	0.84	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	38	YLPR	003	FL	142	35.3	1.23	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	38	YLPR	004	FL	135	31.5	1.28	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	38	YLPR	005	FL	155	49.4	1.33	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	38	YLPR	006	FL	132	28.9	1.26	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	38	YLPR	007	FL	155	54.2	1.46	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	38	YLPR	008	FL	137	35.3	1.37	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	51	LKWF	020	FL	390	1000	1.69	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	51	WHSK	009	FL	195	135	1.82	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	51	YLPR	009	FL	180	82.9	1.42	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	51	YLPR	010	FL	219	125	1.19	R	-	-	-	-	See Comment	Growth or parasite on pectoral fin
Anderson Bay	ANB-GN01-F11	51	YLPR	011	FL	200	96.5	1.21	R	-	-	-	OT	Good	
Anderson Bay	ANB-GN01-F11	76	LKWF	005	FL	430	1250	1.57	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	76	LKWF	006	FL	425	1000	1.30	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	76	NRPK	001	FL	550	1100	0.66	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	76	NRPK	002	FL	480	800	0.72	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	76	NRPK	003	FL	570	1600	0.86	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	76	NRPK	004	FL	545	1500	0.93	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	76	YLPR	001	FL	250	250	1.60	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	LKWF	012	FL	395	1000	1.62	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	LKWF	013	FL	440	1000	1.17	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	LKWF	014	FL	340	325	0.83	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	LKWF	015	FL	405	750	1.13	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	LKWF	016	FL	385	1000	1.75	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	LKWF	017	FL	420	1500	2.02	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	LKWF	018	FL	362	500	1.05	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	LKWF	019	FL	412	845	1.21	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	WHSK	004	FL	445	1625	1.84	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	WHSK	005	FL	410	1125	1.63	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	WHSK	006	FL	445	1250	1.42	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	WHSK	007	FL	415	1250	1.75	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	89	WHSK	008	FL	422	875	1.16	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	102	LKWF	001	FL	402	1000	1.54	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	102	LKWF	002	FL	409	1000	1.46	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	102	LKWF	003	FL	417	1000	1.38	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	102	LKWF	004	FL	406	1250	1.87	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	102	WHSK	001	FL	445	1500	1.70	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	127	LKWF	007	FL	414	1250	1.76	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	127	LKWF	008	FL	417	1125	1.55	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	127	LKWF	009	FL	430	1125	1.41	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	127	LKWF	010	FL	420	1000	1.35	R	-	-	-	-	Good	
Anderson Bay	ANB-GN01-F11	127	LKWF	011	FL	430	1250	1.57	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Bay	ANB-GN01-F11	127	WHSK	003	FL	490	2000	1.70	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	13	RVSH	001	FL	55	1.9	1.14	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	13	RVSH	002	FL	57	2.1	1.13	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	13	RVSH	003	FL	46	1.2	1.23	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	13	TRPR	001	FL	55	1.8	1.08	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	031	FL	80	5.7	1.11	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	032	FL	75	5.3	1.26	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	033	FL	90	8.7	1.19	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	034	FL	80	6.2	1.21	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	035	FL	88	8	1.17	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	036	FL	80	5.6	1.09	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	037	FL	80	5.5	1.07	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	038	FL	87	7.5	1.14	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	039	FL	79	5.3	1.07	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	040	FL	92	9.3	1.19	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	041	FL	92	8.9	1.14	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	042	FL	86	7.6	1.19	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	043	FL	89	8.2	1.16	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	044	FL	79	4.5	0.91	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	045	FL	85	7.6	1.24	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	046	FL	89	7.3	1.04	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	047	FL	85	7.4	1.20	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	048	FL	100	11.8	1.18	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	049	FL	85	6.5	1.06	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	050	FL	80	5.9	1.15	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	051	FL	90	7.8	1.07	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	052	FL	85	6.8	1.11	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	053	FL	85	7.1	1.16	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	054	FL	90	7.7	1.06	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	055	FL	89	7.7	1.09	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	056	FL	85	7.4	1.20	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	FTMW	002	FL	57	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	JNDT	001	TL	57	-	-	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	RVSH	001	FL	58	-	-	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	RVSH	002	FL	76	-	-	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	RVSH	003	FL	66	-	-	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	STSH	001	FL	92	10.5	1.35	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	STSH	001	FL	92	-	-	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	WHSK	010	FL	132	28.6	1.24	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	WHSK	011	FL	172	61.9	1.22	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	012	FL	95	10.3	1.20	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	013	FL	95	9.8	1.14	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	014	FL	95	11.2	1.31	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	015	FL	90	9.7	1.33	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	016	FL	110	15.6	1.17	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Bay	ANB-GN02-F11	25	YLPR	017	FL	95	10.1	1.18	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	018	FL	95	10.2	1.19	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	019	FL	92	9.6	1.23	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	020	FL	99	12.2	1.26	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	021	FL	89	8.8	1.25	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	022	FL	95	10.1	1.18	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	052	FL	55	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	053	FL	56	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	25	YLPR	054	FL	50	-	-	Mo	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	NRPK	005	FL	554	1375	0.81	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	STSH	002	FL	80	5.8	1.13	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	STSH	003	FL	85	7.7	1.25	ID	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	023	FL	85	6.9	1.12	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	024	FL	90	8.8	1.21	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	025	FL	75	5.1	1.21	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	026	FL	80	6.3	1.23	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	027	FL	74	4.5	1.11	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	028	FL	92	9.3	1.19	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	029	FL	100	11.8	1.18	R	-	-	-	-	Good	
Anderson Bay	ANB-GN02-F11	19	YLPR	030	FL	80	5.5	1.07	R	-	-	-	-	Good	
Anderson Bay	-	-	BKSB	001	TL	50	0.9	0.72	Me	-	-	-	-	Good	Internal health good.
Anderson Bay	-	-	BKSB	002	TL	52	1.1	0.78	Me	-	-	-	-	See Comment	Internal health good; black spot.
Anderson Bay	-	-	BKSB	003	TL	43	1.0	1.26	Me	F	Ad	SD	-	See Comment	Internal health good; extended belly.
Anderson Bay	-	-	BKSB	004	TL	44	1.0	1.17	Me	-	-	-	-	See Comment	Internal health good; black spot.
Anderson Bay	-	-	BKSB	005	TL	43	0.5	0.63	Me	-	-	-	-	See Comment	Internal health good; bad black spot.
Anderson Bay	-	-	BKSB	006	TL	43	1.0	1.26	Me	-	-	-	-	Good	Internal health good.
Anderson Bay	-	-	BKSB	007	TL	42	0.9	1.21	Me	-	-	-	-	See Comment	Internal health good; very bad black spot.
Anderson Bay	-	-	BKSB	008	TL	61	1.7	0.75	Me	F	Ad	SD	-	Good	Internal health good.
Anderson Bay	-	-	BKSB	009	TL	62	1.9	0.80	Me	F	Ad	SD	-	Good	Internal health good.
Anderson Bay	-	-	BKSB	010	TL	48	1.0	0.90	Me	-	-	-	-	See Comment	Internal health good; black spot.
Arm Lake	ARL-MT01-P11	-	BKSB	013	TL	53	1.4	0.94	R	F	Ad	Sp	-	Good	
Arm Lake	ARL-MT01-P11	-	BKSB	014	TL	60	2	0.93	R	-	-	-	-	Good	
Arm Lake	ARL-MT02-P11	-	BKSB	011	TL	50	1.2	0.96	R	-	-	-	-	Good	
Arm Lake	ARL-MT02-P11	-	BKSB	012	TL	69	2.4	0.73	R	F	Ad	Sp	-	Good	
Arm Lake	ARL-MT03-P11	-	BKSB	001	TL	50	1.4	1.12	R	-	-	-	-	Good	
Arm Lake	ARL-MT03-P11	-	BKSB	002	TL	56	1.5	0.85	R	-	-	-	-	See Comment	Creepy red eye
Arm Lake	ARL-MT03-P11	-	BKSB	003	TL	61	2.4	1.06	R	-	-	-	-	Good	
Arm Lake	ARL-MT03-P11	-	BKSB	004	TL	51	1.8	1.36	R	-	-	-	-	Good	
Arm Lake	ARL-MT03-P11	-	BKSB	005	TL	65	3.6	1.31	R	F	Ad	Sp	-	Good	
Arm Lake	ARL-MT03-P11	-	BKSB	006	TL	67	3.7	1.23	R	F	Ad	Sp	-	Good	
Arm Lake	ARL-MT03-P11	-	BKSB	007	TL	46	1.2	1.23	R	-	-	-	-	Good	
Arm Lake	ARL-MT03-P11	-	BKSB	008	TL	49	1.4	1.19	R	-	-	-	-	Good	
Arm Lake	ARL-MT03-P11	-	BKSB	009	TL	50	1.2	0.96	R	-	-	-	-	Good	
Arm Lake	ARL-MT03-P11	-	BKSB	010	TL	51	1.5	1.13	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	001	TL	65	2.1	0.76	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Gaspard Lake	GSL-MT01-P11	-	BKSB	002	TL	64	2.4	0.92	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	003	TL	56	1	0.57	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	004	TL	82	4.5	0.82	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	005	TL	79	3.2	0.65	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	006	TL	77	3	0.66	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	007	TL	76	2.5	0.57	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	008	TL	57	1.4	0.76	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	009	TL	73	2.2	0.57	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	010	TL	82	3.7	0.67	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	011	TL	67	1.9	0.63	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	012	TL	82	2.6	0.47	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	013	TL	63	1.5	0.60	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	014	TL	72	2.1	0.56	R	-	-	-	-	See Comment	Fin erosion
Gaspard Lake	GSL-MT01-P11	-	BKSB	015	TL	44	0.5	0.59	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	016	TL	70	2.1	0.61	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	017	TL	72	2.4	0.64	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	018	TL	52	0.7	0.50	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	019	TL	70	2.1	0.61	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	020	TL	65	1	0.36	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	021	TL	53	1.2	0.81	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	022	TL	76	2.5	0.57	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	023	TL	67	2.1	0.70	R	-	-	-	-	See Comment	Fin erosion
Gaspard Lake	GSL-MT01-P11	-	BKSB	024	TL	58	1.1	0.56	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	025	TL	77	3	0.66	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	026	TL	77	2.8	0.61	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	027	TL	68	2.2	0.70	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	028	TL	72	2.5	0.67	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	029	TL	72	2.1	0.56	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	030	TL	62	1.4	0.59	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	031	TL	52	1.3	0.92	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	032	TL	74	2.7	0.67	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	033	TL	56	1.3	0.74	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	034	TL	63	1.8	0.72	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	035	TL	73	2.5	0.64	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	036	TL	53	1.1	0.74	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	037	TL	46	1	1.03	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	038	TL	72	2.5	0.67	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	039	TL	78	3.6	0.76	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	040	TL	51	1	0.75	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	041	TL	49	1	0.85	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	042	TL	66	1.7	0.59	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	043	TL	50	0.7	0.56	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	044	TL	54	0.8	0.51	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	045	TL	64	2.1	0.80	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	046	TL	44	0.7	0.82	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year;

Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Gaspard Lake	GSL-MT01-P11	-	BKSB	047	TL	48	0.7	0.63	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT01-P11	-	BKSB	048	TL	63	1.6	0.64	R	-	-	-	-	See Comment	Fin erosion
Gaspard Lake	GSL-MT01-P11	-	BKSB	049	TL	55	1.3	0.78	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	050	TL	81	3.9	0.73	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	051	TL	65	2.1	0.76	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	052	TL	74	2.5	0.62	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	053	TL	68	2.3	0.73	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	054	TL	69	2	0.61	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	055	TL	60	1.4	0.65	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	056	TL	49	0.7	0.59	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	057	TL	80	3.2	0.63	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	058	TL	70	2.2	0.64	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	059	TL	52	0.9	0.64	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	060	TL	64	2	0.76	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	061	TL	68	2.4	0.76	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	062	TL	64	1.7	0.65	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	063	TL	62	1.8	0.76	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	064	TL	74	2.4	0.59	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	065	TL	65	2.1	0.76	R	F	Ad	Sp	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	066	TL	80	3.4	0.66	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	067	TL	73	3.1	0.80	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	068	TL	86	4.9	0.77	R	F	Ad	Sp	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	069	TL	61	1.5	0.66	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	070	TL	56	1.6	0.91	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	071	TL	64	1.8	0.69	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	072	TL	54	1.3	0.83	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	073	TL	64	2.1	0.80	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	074	TL	75	2.6	0.62	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	075	TL	75	3	0.71	R	F	Ad	Sp	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	076	TL	55	1.5	0.90	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	077	TL	65	2	0.73	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	078	TL	57	1.1	0.59	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	079	TL	71	2.5	0.70	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	080	TL	70	2.2	0.64	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	081	TL	68	2.8	0.89	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	082	TL	71	2.4	0.67	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	083	TL	70	2.1	0.61	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	084	TL	79	3.2	0.65	R	F	Ad	Sp	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	085	TL	65	1.6	0.58	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	086	TL	73	2.7	0.69	R	F	Ad	Sp	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	087	TL	75	3.4	0.81	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	088	TL	71	2.8	0.78	R	F	Ad	Sp	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	089	TL	69	2.2	0.67	R	F	Ad	Sp	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	090	TL	70	2.8	0.82	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	091	TL	74	2.2	0.54	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Gaspard Lake	GSL-MT02-P11	-	BKSB	092	TL	63	1.8	0.72	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	093	TL	54	1.1	0.70	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	094	TL	55	1.2	0.72	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	095	TL	76	3.4	0.77	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	096	TL	80	3.2	0.63	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	097	TL	53	1.1	0.74	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	098	TL	71	2.6	0.73	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	099	TL	52	1.2	0.85	R	-	-	-	-	Good	
Gaspard Lake	GSL-MT02-P11	-	BKSB	100	TL	48	0.9	0.81	R	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	077	TL	61	2.6	1.15	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	078	TL	59	1.2	0.58	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	079	TL	57	1.6	0.86	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	080	TL	66	2	0.70	R	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	081	TL	64	1.5	0.57	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	082	TL	64	2.1	0.80	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	083	TL	58	1.8	0.92	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	084	TL	60	1.5	0.69	R	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	085	TL	62	1.5	0.63	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	086	TL	56	1.2	0.68	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	087	TL	57	1.2	0.65	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	088	TL	57	1.8	0.97	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	089	TL	58	1.5	0.77	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	090	TL	62	1.7	0.71	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	091	TL	64	1.3	0.50	R	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	092	TL	60	1.6	0.74	R	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	093	TL	57	1.1	0.59	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	094	TL	59	1.2	0.58	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	095	TL	62	1.6	0.67	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	096	TL	65	1.8	0.66	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	097	TL	58	1.4	0.72	Mo	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-GN02-P11	13	BKSB	098	TL	57	1.6	0.86	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	099	TL	60	2	0.93	Mo	-	-	-	-	Good	
Ghost Lake	GHL-GN02-P11	13	BKSB	100	TL	63	2	0.80	Mo	-	-	-	-	Good	
Ghost Lake	GHL-MT01-P11	-	BKSB	001	TL	64	1.7	0.65	R	-	-	-	-	Good	
Ghost Lake	GHL-MT01-P11	-	BKSB	002	TL	65	1.9	0.69	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT01-P11	-	BKSB	003	TL	75	3.6	0.85	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT01-P11	-	BKSB	004	TL	70	2	0.58	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT01-P11	-	BKSB	005	TL	55	1.1	0.66	R	-	-	-	-	Good	
Ghost Lake	GHL-MT01-P11	-	BKSB	006	TL	66	2.2	0.77	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT01-P11	-	BKSB	007	TL	60	1.7	0.79	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT01-P11	-	BKSB	008	TL	60	1.1	0.51	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT01-P11	-	BKSB	009	TL	55	0.9	0.54	R	-	-	-	-	Good	
Ghost Lake	GHL-MT01-P11	-	BKSB	010	TL	51	0.6	0.45	R	-	-	-	-	Good	
Ghost Lake	GHL-MT01-P11	-	BKSB	011	TL	65	2.3	0.84	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT01-P11	-	BKSB	012	TL	65	1.8	0.66	R	-	-	-	-	See Comment	Minor black spot

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Ghost Lake	GHL-MT02-P11	-	BKSB	013	TL	69	2.7	0.82	R	-	-	-	-	Good	
Ghost Lake	GHL-MT02-P11	-	BKSB	014	TL	63	1.6	0.64	R	-	-	-	-	See Comment	Heavy black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	015	TL	70	2.9	0.85	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	016	TL	61	1.3	0.57	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	017	TL	71	2.1	0.59	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	018	TL	70	2.2	0.64	R	-	-	-	-	Good	
Ghost Lake	GHL-MT02-P11	-	BKSB	019	TL	60	1.4	0.65	R	-	-	-	-	Good	
Ghost Lake	GHL-MT02-P11	-	BKSB	020	TL	64	1.8	0.69	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	021	TL	74	2.5	0.62	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	022	TL	66	1.1	0.38	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	023	TL	59	1	0.49	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	024	TL	61	1.7	0.75	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	025	TL	67	2.5	0.83	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	027	TL	66	2.4	0.83	R	-	-	-	-	Good	
Ghost Lake	GHL-MT02-P11	-	BKSB	027	TL	60	1.5	0.69	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	028	TL	64	1.1	0.42	R	-	-	-	-	Good	
Ghost Lake	GHL-MT02-P11	-	BKSB	029	TL	70	2.5	0.73	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	030	TL	70	2.4	0.70	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT02-P11	-	BKSB	031	TL	65	1.8	0.66	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	032	TL	72	2.8	0.75	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	033	TL	66	1.9	0.66	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	034	TL	79	4.2	0.85	R	F	Ad	Sp	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	035	TL	66	2.2	0.77	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	036	TL	65	2	0.73	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	037	TL	58	1.7	0.87	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	038	TL	67	2.3	0.76	R	-	-	-	-	See Comment	Head deformity; Minor black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	039	TL	72	3.5	0.94	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	040	TL	66	2.2	0.77	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	041	TL	50	1.5	1.20	R	-	-	-	-	See Comment	No caudal fin; Heavy black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	042	TL	65	1.8	0.66	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	043	TL	61	1.7	0.75	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	044	TL	69	2.9	0.88	R	F	Ad	Sp	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	045	TL	59	1.7	0.83	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	046	TL	70	2.9	0.85	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	047	TL	65	2.6	0.95	R	-	-	-	-	See Comment	Heavy black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	048	TL	70	3	0.87	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	049	TL	66	2.3	0.80	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	050	TL	61	2	0.88	R	-	-	-	-	See Comment	Heavy black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	051	TL	75	3.5	0.83	R	-	-	-	-	See Comment	Heavy black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	052	TL	69	1.6	0.49	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	053	TL	71	3.4	0.95	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	054	TL	72	3.2	0.86	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	055	TL	58	1.4	0.72	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	056	TL	64	1.8	0.69	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	057	TL	66	1.6	0.56	R	-	-	-	-	See Comment	Minor black spot

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Ghost Lake	GHL-MT03-P11	-	BKSB	058	TL	71	3	0.84	R	-	-	-	-	See Comment	Heavy black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	059	TL	69	3	0.91	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	060	TL	56	1.6	0.91	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	061	TL	62	1.9	0.80	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	062	TL	66	2.3	0.80	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	063	TL	65	2.3	0.84	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	064	TL	60	1.4	0.65	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	065	TL	53	1.2	0.81	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	066	TL	58	1.1	0.56	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	067	TL	56	1.8	1.02	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	068	TL	63	1.4	0.56	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	069	TL	71	2.4	0.67	R	-	-	-	-	Good	
Ghost Lake	GHL-MT03-P11	-	BKSB	070	TL	55	1.4	0.84	R	-	-	-	-	See Comment	Minor black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	071	TL	66	2.3	0.80	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	072	TL	60	1.3	0.60	R	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT03-P11	-	BKSB	073	TL	59	1.9	0.93	R	-	-	-	-	Good	
Ghost Lake	GHL-MT04-P11	-	BKSB	074	TL	52	0.9	0.64	Mo	-	-	-	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT04-P11	-	BKSB	075	TL	66	2.4	0.83	R	F	Ad	Sp	-	See Comment	Moderate black spot
Ghost Lake	GHL-MT04-P11	-	BKSB	076	TL	70	2.9	0.85	R	F	Ad	Sp	-	Good	
Ghost Lake	GHL-MT01-P12	-	BKSB	001	TL	70	2.0	0.58	Me	-	-	-	-	See Comment	Stressed; black spot
Ghost Lake	GHL-MT01-P12	-	BKSB	002	TL	65	2.2	0.80	Me	-	-	-	-	See Comment	Black spot
Ghost Lake	GHL-MT01-P12	-	BKSB	003	TL	66	2.1	0.73	Me	-	-	-	-	See Comment	Stressed; black spot
Ghost Lake	GHL-MT01-P12	-	BKSB	004	TL	67	2.0	0.66	Me	-	-	-	-	See Comment	Black spot
Ghost Lake	GHL-MT01-P12	-	BKSB	005	TL	77	3.1	0.68	Me	-	-	-	-	See Comment	Black spot
Ghost Lake	GHL-MT01-P12	-	BKSB	006	TL	77	3.2	0.70	Me	-	-	-	-	Good	
Ghost Lake	GHL-MT01-P12	-	BKSB	007	TL	69	2.4	0.73	Me	-	-	-	-	See Comment	Black spot
Ghost Lake	GHL-MT01-P12	-	BKSB	008	TL	65	2.1	0.76	Me	-	-	-	-	See Comment	Black spot
Ghost Lake	GHL-MT01-P12	-	BKSB	009	TL	63	2.1	0.84	Me	-	-	-	-	Good	
Ghost Lake	GHL-MT01-P12	-	BKSB	010	TL	72	2.2	0.59	Me	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	LKWF	003	FL	268	200	1.04	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	LKWF	004	FL	152	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	LKWF	005	FL	163	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	LKWF	006	FL	145	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	001	FL	145	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	002	FL	165	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	003	FL	150	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	004	FL	188	-	-	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	005	FL	146	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	006	FL	144	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	007	FL	165	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	008	FL	137	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	009	FL	148	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	010	FL	128	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	011	FL	105	-	-	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	012	FL	100	-	-	-	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Goose Bay	GSB-GN01-F11	38	YLPR	013	FL	238	-	-	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	38	YLPR	014	FL	181	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	LKWF	001	FL	214	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	LKWF	009	FL	249	-	-	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	LKWF	010	FL	260	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	LKWF	011	FL	465	1400	1.39	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	NRPK	004	FL	485	1000	0.88	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	NRPK	005	FL	464	800	0.80	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	NRPK	006	FL	388	400	0.68	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	NRPK	007	FL	332	400	1.09	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	NRPK	008	FL	418	600	0.82	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	NRPK	009	FL	470	600	0.58	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	WALL	005	FL	447	1000	1.12	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	WHSK	029	FL	430	1000	1.26	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	YLPR	015	FL	182	-	-	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	YLPR	016	FL	194	-	-	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	YLPR	017	FL	182	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	YLPR	018	FL	206	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	YLPR	019	FL	194	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	51	YLPR	020	FL	218	-	-	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	LKWF	001	FL	360	800	1.71	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	LKWF	002	FL	360	500	1.07	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	NRPK	001	FL	620	2000	0.84	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	NRPK	002	FL	470	1000	0.96	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	NRPK	003	FL	462	800	0.81	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	WHSK	010	FL	410	1000	1.45	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	WHSK	011	FL	430	1000	1.26	R	-	L	-	-	Good	
Goose Bay	GSB-GN01-F11	76	WHSK	012	FL	390	800	1.35	R	-	-	-	-	See Comment	Lesion (claw/talon marks)
Goose Bay	GSB-GN01-F11	76	WHSK	013	FL	308	500	1.71	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	WHSK	014	FL	375	1000	1.90	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	WHSK	015	FL	343	600	1.49	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	WHSK	016	FL	402	1000	1.54	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	76	WHSK	017	FL	430	1200	1.51	R	-	L	-	-	Good	
Goose Bay	GSB-GN01-F11	76	WHSK	018	FL	430	1200	1.51	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	102	WALL	001	FL	435	900	1.09	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	102	WHSK	001	FL	442	800	0.93	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	102	WHSK	002	FL	442	1000	1.16	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	102	WHSK	003	FL	415	500	0.70	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	102	WHSK	004	FL	459	900	0.93	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	102	WHSK	005	FL	430	1000	1.26	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	102	WHSK	006	FL	426	1100	1.42	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	102	WHSK	007	FL	475	1200	1.12	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	102	WHSK	008	FL	417	1000	1.38	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	102	WHSK	009	FL	450	1600	1.76	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	LKWF	007	FL	389	1000	1.70	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Goose Bay	GSB-GN01-F11	127	LKWF	008	FL	411	1000	1.44	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WALL	002	FL	490	1600	1.36	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WALL	003	FL	389	800	1.36	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WALL	004	FL	463	1500	1.51	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WHSK	019	FL	421	1000	1.34	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WHSK	020	FL	395	1000	1.62	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WHSK	021	FL	399	1000	1.57	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WHSK	022	FL	404	1000	1.52	R	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WHSK	023	FL	434	1200	1.47	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WHSK	024	FL	420	1200	1.62	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WHSK	025	FL	394	1000	1.63	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WHSK	027	FL	424	1200	1.57	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WHSK	027	FL	410	1000	1.45	-	-	-	-	-	Good	
Goose Bay	GSB-GN01-F11	127	WHSK	028	FL	448	1600	1.78	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	001	FL	63	1.8	0.72	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	002	FL	67	2.7	0.90	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	003	FL	67	2.6	0.86	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	004	FL	73	3.4	0.87	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	005	FL	64	1.8	0.69	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	006	FL	64	2.4	0.92	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	007	FL	65	1.8	0.66	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	008	FL	62	1.6	0.67	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	009	FL	62	1.7	0.71	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	010	FL	67	2	0.66	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	011	FL	67	2.2	0.73	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	012	FL	64	2.5	0.95	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	013	FL	58	1.8	0.92	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	014	FL	65	2.5	0.91	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	RVSH	015	FL	64	2.7	1.03	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	13	STSH	001	FL	57	1.3	0.70	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	RVSH	016	FL	88	6.4	0.94	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	RVSH	017	FL	86	6.3	0.99	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	RVSH	018	FL	89	6.6	0.94	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	STSH	002	FL	79	5.5	1.12	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	STSH	003	FL	83	8.5	1.49	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	YLPR	036	FL	80	5.9	1.15	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	YLPR	037	FL	87	7.3	1.11	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	YLPR	038	FL	81	6.3	1.19	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	YLPR	039	FL	84	6.6	1.11	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	YLPR	040	FL	87	7.4	1.12	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	YLPR	041	FL	83	6.2	1.08	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	YLPR	042	FL	84	7.2	1.21	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	YLPR	043	FL	70	4.9	1.43	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	YLPR	044	FL	78	5.6	1.18	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	19	YLPR	045	FL	82	5.6	1.02	-	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Goose Bay	GSB-GN02-F11	19	YLPR	046	FL	78	5.7	1.20	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	LKWF	012	FL	298	379	1.43	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	TRPR	001	FL	107	14.6	1.19	-	-	-	-	OT; PvR	Good	
Goose Bay	GSB-GN02-F11	25	WALL	005	FL	208	89.4	0.99	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	WALL	006	FL	210	97.7	1.05	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	021	FL	181	-	-	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	022	FL	89	8.4	1.19	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	023	FL	124	24.7	1.30	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	024	FL	121	21.2	1.20	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	025	FL	90	8.1	1.11	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	027	FL	148	42.6	1.31	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	027	FL	106	14.1	1.18	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	028	FL	110	16.1	1.21	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	029	FL	93	9.6	1.19	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	030	FL	90	8.2	1.12	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	031	FL	120	21.2	1.23	-	-	-	-	-	See Comment	Black spot
Goose Bay	GSB-GN02-F11	25	YLPR	032	FL	164	51.5	1.17	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	033	FL	117	18.5	1.16	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	034	FL	92	9.3	1.19	-	-	-	-	-	Good	
Goose Bay	GSB-GN02-F11	25	YLPR	035	FL	97	11.3	1.24	-	-	-	-	OT; PvR	Good	
Goose Bay	GSB-GN02-P12	-	EMSH	001	FL	94	6.8	0.82	R	-	-	-	-	Good	Good internal health.
Goose Bay	GSB-GN02-P12	-	STSH	001	FL	82	6.0	1.09	Me	F	Ad	SD	-	Good	Good internal health.
Goose Bay	GSB-GN02-P12	-	STSH	002	FL	79	5.0	1.01	Me	-	-	-	-	Good	Good internal health.
Goose Bay	GSB-GN02-P12	-	STSH	003	FL	74	4.7	1.16	Me	-	-	-	-	Good	Good internal health.
Goose Bay	GSB-GN02-P12	-	STSH	004	FL	78	5.4	1.14	Me	-	-	-	-	Good	Good internal health.
Goose Bay	GSB-GN02-P12	-	STSH	005	FL	82	5.4	0.98	Me	-	-	-	-	Good	Good internal health.
Goose Bay	GSB-GN02-P12	-	STSH	006	FL	56	2.3	1.31	Me	-	-	-	-	Good	Good internal health.
Goose Bay	GSB-GN02-P12	-	STSH	007	FL	84	5.9	1.00	Me	-	-	-	-	Good	Good internal health.
Goose Bay	GSB-GN02-P12	-	STSH	008	FL	60	2.5	1.16	Me	-	-	-	-	Good	Good internal health.
Goose Bay*	-	-	BNSH	001	FL	55	2.0	1.20	R	-	-	-	-	Good	Good internal health.
Goose Bay*	-	-	BKSB	001	TL	43	0.8	1.01	Me	-	-	-	-	Good	Good internal health.
Goose Bay*	-	-	BKSB	002	TL	47	1.0	0.96	Me	-	-	-	-	Good	Good internal health.
Threehouse Lake	THL-GN02-P11	13	BKSB	007	TL	63	1	0.40	R	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	008	TL	64	2.4	0.92	R	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	009	TL	54	0.9	0.57	Mo	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	010	TL	59	1.3	0.63	R	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	011	TL	57	1.5	0.81	R	F	Ad	Sp	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	012	TL	55	1.4	0.84	Mo	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	013	TL	49	0.7	0.59	Mo	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	014	TL	55	1.3	0.78	R	-	-	-	-	See Comment	Appears chewed on
Threehouse Lake	THL-GN02-P11	13	BKSB	015	TL	57	1.9	1.03	R	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	016	TL	61	2.2	0.97	R	F	Ad	Sp	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	017	TL	58	1	0.51	R	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	018	TL	60	1.3	0.60	R	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	019	TL	69	2.3	0.70	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Threehouse Lake	THL-GN02-P11	13	BKSB	020	TL	55	2	1.20	R	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	021	TL	56	0.8	0.46	R	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	022	TL	55	1.3	0.78	R	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	023	TL	58	1.6	0.82	Mo	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	13	BKSB	024	TL	58	1.3	0.67	R	-	-	-	-	Good	
Threehouse Lake	THL-GN02-P11	25	BKSB	006	TL	55	1	0.60	Mo	-	-	-	-	Good	
Threehouse Lake	THL-MT02-P11	-	BKSB	001	TL	67	1.8	0.60	R	-	-	-	-	See Comment	Black spot
Threehouse Lake	THL-MT02-P11	-	BKSB	002	TL	72	2.4	0.64	R	-	-	-	-	Good	
Threehouse Lake	THL-MT02-P11	-	BKSB	003	TL	62	1.6	0.67	R	-	-	-	-	Good	
Threehouse Lake	THL-MT02-P11	-	BKSB	004	TL	51	1.2	0.90	R	-	-	-	-	Good	
Threehouse Lake	THL-MT02-P11	-	BKSB	005	TL	56	1.4	0.80	R	-	-	-	-	Good	
Threehouse Lake	THL-MT03-P11	-	BKSB	025	TL	66	1.9	0.66	R	-	-	-	-	Good	
Threehouse Lake	THL-MT03-P11	-	BKSB	026	TL	68	2.1	0.67	R	-	-	-	-	See Comment	Black spot
Threehouse Lake	THL-MT03-P11	-	BKSB	027	TL	70	2.3	0.67	R	-	-	-	-	Good	
Threehouse Lake	THL-MT03-P11	-	BKSB	028	TL	51	1.2	0.90	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	001	TL	50	1	0.80	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	002	TL	41	0.5	0.73	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	003	TL	56	1.3	0.74	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	004	TL	48	0.5	0.45	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	005	TL	51	0.9	0.68	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	006	TL	43	0.5	0.63	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	007	TL	50	1.1	0.88	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	008	TL	47	0.9	0.87	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	009	TL	43	0.8	1.01	Mo	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	010	TL	42	0.4	0.54	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	011	TL	57	1.1	0.59	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	012	TL	57	1.1	0.59	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	013	TL	48	0.7	0.63	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	014	TL	55	1.2	0.72	R	-	-	-	-	Good	
Anderson Creek	ANC-EF01-P11	-	BKSB	015	TL	45	0.8	0.88	R	-	-	-	-	Good	
Anderson Creek	ANC-EF02-P11	-	BKSB	016	TL	54	0.7	0.44	R	-	-	-	-	Good	
Anderson Creek	ANC-EF02-P11	-	BKSB	017	TL	45	0.3	0.33	R	-	-	-	-	Good	
Anderson Creek	ANC-EF02-P11	-	BKSB	018	TL	35	0.3	0.70	R	-	-	-	-	Good	
Anderson Creek	ANC-EF03-P11	-	BKSB	129	TL	59	1.4	0.68	R	-	-	-	-	See Comment	Light black spot
Anderson Creek	ANC-EF03-P11	-	BKSB	130	TL	49	0.8	0.68	R	-	-	-	-	Good	
Anderson Creek	ANC-EF03-P11	-	BKSB	131	TL	49	0.6	0.51	R	-	-	-	-	Good	
Anderson Creek	ANC-EF03-P11	-	BKSB	132	TL	63	1.3	0.52	R	-	-	-	-	Good	
Anderson Creek	ANC-EF03-P11	-	BKSB	133	TL	41	0.5	0.73	R	-	-	-	-	See Comment	Stomach collapsed
Anderson Creek	ANC-EF03-P11	-	BKSB	134	TL	52	0.9	0.64	R	-	-	-	-	See Comment	Heavy black spot
Anderson Creek	ANC-EF03-P11	-	BKSB	135	TL	41	0.9	1.31	R	-	-	-	-	See Comment	Stomach collapsed
Anderson Creek	ANC-EF03-P11	-	BKSB	136	TL	53	1.2	0.81	R	-	-	-	-	See Comment	Stomach collapsed
Anderson Creek	ANC-EF03-P11	-	BKSB	137	TL	43	0.5	0.63	R	-	-	-	-	See Comment	Heavy black spot
Anderson Creek	ANC-EF03-P11	-	BKSB	138	TL	32	0.2	0.61	Mo	-	-	-	-	Good	
Anderson Creek	ANC-EF03-P11	-	BKSB	139	TL	56	0.9	0.51	R	-	-	-	-	See Comment	Heavy black spot
Anderson Creek	ANC-EF03-P11	-	BKSB	140	TL	56	1.1	0.63	R	-	-	-	-	See Comment	Heavy black spot

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Creek	ANC-EF03-P11	-	BKSB	141	TL	51	0.8	0.60	R	-	-	-	-	See Comment	Light black spot
Anderson Creek	ANC-EF03-P11	-	BKSB	142	TL	27	0.1	0.51	R	-	-	-	-	Good	
Anderson Creek	ANC-EF03-P11	-	BKSB	143	TL	51	0.9	0.68	R	-	-	-	-	See Comment	Light black spot
Anderson Creek	ANC-EF03-P11	-	FTMW	001	FL	42	0.6	0.81	R	-	-	-	-	Good	
Anderson Creek	ANC-EF03-P11	-	FTMW	002	FL	48	0.9	0.81	R	-	-	-	-	Good	
Anderson Creek	ANC-EF03-P11	-	IWDT	001	TL	53	1.1	0.74	ID	-	-	-	-	Good	
Anderson Creek	ANC-EF03-P11	-	IWDT	002	TL	57	1.3	0.70	ID	-	-	-	-	Good	
Anderson Creek	ANC-EF03-P11	-	IWDT	003	TL	57	0.7	0.38	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	079	TL	47	0.9	0.87	Mo	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	080	TL	49	0.6	0.51	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	081	TL	54	1	0.64	Mo	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	082	TL	56	1.1	0.63	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	083	TL	65	1.8	0.66	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	084	TL	60	1.4	0.65	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	085	TL	52	0.9	0.64	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	086	TL	55	0.1	0.06	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	087	TL	51	0.7	0.53	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	088	TL	52	0.6	0.43	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	089	TL	57	0.8	0.43	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	090	TL	56	1.5	0.85	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	091	TL	54	1	0.64	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	092	TL	49	0.8	0.68	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	093	TL	52	1	0.71	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	094	TL	55	1	0.60	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	095	TL	51	0.9	0.68	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	096	TL	50	0.8	0.64	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	097	TL	60	1.6	0.74	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	098	TL	54	1.1	0.70	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	099	TL	56	1.4	0.80	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	100	TL	54	1.1	0.70	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	101	TL	55	1	0.60	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	102	TL	56	0.9	0.51	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	103	TL	60	1.4	0.65	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	104	TL	50	1	0.80	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	105	TL	49	0.8	0.68	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	106	TL	50	0.8	0.64	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	107	TL	49	0.8	0.68	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	108	TL	50	1	0.80	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	BKSB	109	TL	58	1.4	0.72	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	PRDC	001	FL	90	6.6	0.91	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	PRDC	002	FL	85	5.7	0.93	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	PRDC	003	FL	51	1.4	1.06	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT01-P11	-	PRDC	004	FL	94	6.9	0.83	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT01-P11	-	PRDC	005	FL	45	0.9	0.99	R	-	-	-	-	See Comment	Extended belly but no roe is extruding
Anderson Creek	ANC-MT01-P11	-	PRDC	006	FL	60	2.8	1.30	R	F	Ad	Sp	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Creek	ANC-MT01-P11	-	PRDC	007	FL	55	1.8	1.08	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	PRDC	008	FL	49	1.4	1.19	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	PRDC	009	FL	110	8.4	0.63	R	-	-	-	-	Good	
Anderson Creek	ANC-MT01-P11	-	PRDC	010	FL	48	1.3	1.18	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	BKSB	110	TL	62	1.8	0.76	R	-	-	-	-	Good	
Anderson Creek	ANC-MT02-P11	-	BKSB	111	TL	57	1.1	0.59	R	-	-	-	-	Good	
Anderson Creek	ANC-MT02-P11	-	BKSB	112	TL	49	0.9	0.76	R	-	-	-	-	Good	
Anderson Creek	ANC-MT02-P11	-	BKSB	113	TL	55	1.3	0.78	R	-	-	-	-	Good	
Anderson Creek	ANC-MT02-P11	-	BKSB	114	TL	52	1.3	0.92	R	-	-	-	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	011	FL	108	11.3	0.90	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	012	FL	100	9.8	0.98	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	013	FL	96	7.2	0.81	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	014	FL	105	10.1	0.87	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	015	FL	99	8.5	0.88	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	016	FL	87	5.7	0.87	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	017	FL	85	5.9	0.96	ID	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	018	FL	115	13.9	0.91	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	019	FL	85	5.9	0.96	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	020	FL	87	6.3	0.96	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	021	FL	123	18	0.97	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	023	FL	106	11.2	0.94	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	024	FL	82	5.4	0.98	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	025	FL	118	-	-	R	-	-	-	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	027	FL	90	8.2	1.12	R	-	-	-	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	027	FL	96	9.4	1.06	R	-	-	-	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	028	FL	80	6.4	1.25	R	-	-	-	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	029	FL	92	7.9	1.01	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT02-P11	-	PRDC	030	FL	88	7.5	1.10	R	M	Ad	Sp	-	See Comment	Erosion
Anderson Creek	ANC-MT02-P11	-	PRDC	031	FL	94	6.3	0.76	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	115	TL	55	1.2	0.72	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	116	TL	49	0.8	0.68	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	117	TL	54	1.2	0.76	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	118	TL	54	1.1	0.70	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	119	TL	57	1	0.54	R	-	-	-	-	Good	Just spawning
Anderson Creek	ANC-MT03-P11	-	BKSB	120	TL	57	1.1	0.59	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	121	TL	52	1.1	0.78	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	122	TL	47	0.8	0.77	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	123	TL	62	1.7	0.71	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	124	TL	60	1.5	0.69	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	125	TL	47	0.5	0.48	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	126	TL	54	1.2	0.76	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	127	TL	54	1.2	0.76	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	128	TL	51	0.9	0.68	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	031	FL	102	10	0.94	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	032	FL	86	7.4	1.16	R	M	Ad	Sp	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Creek	ANC-MT03-P11	-	PRDC	033	FL	126	18.5	0.92	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	034	FL	89	6.5	0.92	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	035	FL	85	6.9	1.12	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	036	FL	97	10.3	1.13	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	037	FL	99	9.7	1.00	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	038	FL	83	6	1.05	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	039	FL	84	5.6	0.94	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	040	FL	84	5.6	0.94	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	041	FL	78	4.6	0.97	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	042	FL	83	5.6	0.98	R	-	-	-	-	Good	Leech attached
Anderson Creek	ANC-MT03-P11	-	PRDC	043	FL	114	13.7	0.92	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	044	FL	102	10.6	1.00	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	045	FL	84	5.3	0.89	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	046	FL	88	7.2	1.06	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	047	FL	103	10.2	0.93	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	048	FL	93	7.2	0.90	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	049	FL	98	11.2	1.19	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	050	FL	103	9.3	0.85	R	M	Ad	Sp	-	Good	Very red colouring
Anderson Creek	ANC-MT03-P11	-	PRDC	051	FL	97	9.7	1.06	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	052	FL	85	5.8	0.94	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	053	FL	79	4.5	0.91	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	054	FL	79	4.6	0.93	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	055	FL	101	9.4	0.91	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	056	FL	107	11.7	0.96	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	057	FL	83	6	1.05	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	058	FL	77	4.5	0.99	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	059	FL	104	10.7	0.95	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	060	FL	104	13.4	1.19	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	061	FL	90	7.7	1.06	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	062	FL	94	9.2	1.11	R	F	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	063	FL	84	5.7	0.96	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	064	FL	90	7	0.96	R	M	Ad	Sp	-	Good	Very red colouring
Anderson Creek	ANC-MT03-P11	-	PRDC	065	FL	129	18.7	0.87	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	066	FL	90	6.6	0.91	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	067	FL	93	7.6	0.94	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	068	FL	104	9.9	0.88	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	069	FL	114	13.7	0.92	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	070	FL	99	8.2	0.85	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	071	FL	90	6.6	0.91	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	072	FL	91	6.7	0.89	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	073	FL	92	6.9	0.89	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	074	FL	97	8.3	0.91	R	-	-	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	075	FL	103	10.2	0.93	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	076	FL	91	7.4	0.98	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	077	FL	111	11.1	0.81	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Creek	ANC-MT03-P11	-	PRDC	078	FL	94	7.3	0.88	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	079	FL	83	5.2	0.91	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	080	FL	87	6.4	0.97	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	PRDC	081	FL	92	7.5	0.96	R	M	Ad	Sp	-	See Comment	Erosion of caudal fin
Anderson Creek	ANC-MT03-P11	-	PRDC	082	FL	93	7.8	0.97	R	M	Ad	Sp	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	019	TL	31	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	020	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	021	TL	20	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	022	TL	21	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	023	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	024	TL	24	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	025	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	027	TL	24	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	027	TL	26	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	028	TL	23	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	029	TL	30	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	030	TL	23	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	031	TL	28	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	032	TL	29	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-MT03-P11	-	BKSB	034	TL	24	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	034	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	035	TL	24	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	036	TL	27	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	037	TL	26	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	038	TL	27	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	039	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	040	TL	20	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	041	TL	30	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	042	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	043	TL	29	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	044	TL	29	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	045	TL	24	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	046	TL	27	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	047	TL	26	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	048	TL	21	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	049	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	050	TL	27	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	051	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	052	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	053	TL	27	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	054	TL	30	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	055	TL	26	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	056	TL	27	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	057	TL	27	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	058	TL	27	<0.1	-	R	-	YOY	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Anderson Creek	ANC-DP01-P11	-	BKSB	059	TL	21	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	060	TL	43	0.6	0.75	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	061	TL	26	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	062	TL	26	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	063	TL	27	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	064	TL	23	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	065	TL	24	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	066	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	067	TL	31	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	068	TL	21	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	069	TL	26	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	070	TL	23	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	071	TL	25	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	072	TL	24	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	073	TL	27	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	074	TL	29	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	075	TL	29	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	076	TL	26	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	077	TL	32	<0.1	-	R	-	YOY	-	-	Good	
Anderson Creek	ANC-DP01-P11	-	BKSB	078	TL	28	<0.1	-	R	-	YOY	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	001	TL	66	2.3	0.80	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	002	TL	61	1.6	0.70	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	003	TL	69	2.2	0.67	R	-	-	-	-	See Comment	Minor black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	004	TL	55	1.5	0.90	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	005	TL	57	2.2	1.19	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	006	TL	45	0.6	0.66	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	007	TL	56	1.5	0.85	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	008	TL	76	3.6	0.82	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	009	TL	64	2	0.76	R	-	-	-	-	See Comment	Minor black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	010	TL	62	1.6	0.67	R	-	-	-	-	See Comment	Minor black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	011	TL	57	1.6	0.86	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	012	TL	55	0.9	0.54	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	013	TL	56	1.3	0.74	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	014	TL	56	1.5	0.85	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	015	TL	66	2.2	0.77	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	016	TL	56	1.5	0.85	R	-	-	-	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	017	TL	46	1	1.03	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	018	TL	52	1.9	1.35	R	-	-	-	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	019	TL	51	0.8	0.60	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	020	TL	49	0.8	0.68	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	021	TL	55	1.2	0.72	R	-	-	-	-	See Comment	Moderate black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	022	TL	52	1.3	0.92	R	-	-	-	-	See Comment	Moderate black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	023	TL	64	2.4	0.92	R	-	-	-	-	See Comment	Wound on right side
Ghost Creek	GHC-MT02-P11	-	BKSB	024	TL	52	1.2	0.85	R	-	-	-	-	See Comment	Moderate black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	025	TL	50	0.8	0.64	R	-	-	-	-	See Comment	Heavy black spot

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Ghost Creek	GHC-MT02-P11	-	BKSB	027	TL	44	1.8	2.11	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	027	TL	71	2.8	0.78	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	028	TL	51	1.1	0.83	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	029	TL	67	2.2	0.73	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	030	TL	60	1.3	0.60	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	031	TL	66	2.1	0.73	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	032	TL	50	1.2	0.96	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	034	TL	59	1.7	0.83	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	034	TL	64	2.1	0.80	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	035	TL	61	1.6	0.70	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	036	TL	68	1.8	0.57	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	037	TL	63	1.5	0.60	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	038	TL	50	1.1	0.88	R	-	-	-	-	See Comment	Moderate black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	039	TL	55	1.3	0.78	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	040	TL	60	1.8	0.83	R	F	Ad	Sp	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	041	TL	66	2	0.70	R	F	Ad	Sp	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	042	TL	66	1.7	0.59	R	-	-	-	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	043	TL	50	1.1	0.88	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	044	TL	59	1.6	0.78	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	045	TL	50	1.5	1.20	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	046	TL	52	1.1	0.78	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	047	TL	51	1.1	0.83	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	048	TL	63	1.9	0.76	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	049	TL	62	1.6	0.67	R	-	-	-	-	See Comment	Moderate black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	050	TL	62	1.8	0.76	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	051	TL	51	1.1	0.83	R	-	-	-	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	052	TL	70	3	0.87	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	053	TL	60	1.8	0.83	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	054	TL	51	1.1	0.83	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	055	TL	56	2.1	1.20	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	056	TL	59	1.3	0.63	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	057	TL	50	1.1	0.88	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	058	TL	47	0.9	0.87	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	059	TL	60	1.6	0.74	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	060	TL	55	1.2	0.72	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	061	TL	69	2.5	0.76	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	062	TL	52	1.1	0.78	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	063	TL	53	1.2	0.81	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	064	TL	61	1.9	0.84	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	065	TL	60	1.8	0.83	R	-	-	-	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	066	TL	54	1.1	0.70	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	067	TL	60	1.5	0.69	R	-	-	-	-	See Comment	Moderate black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	068	TL	70	2.6	0.76	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	069	TL	57	1.4	0.76	R	-	-	-	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	070	TL	65	2	0.73	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Ghost Creek	GHC-MT02-P11	-	BKSB	071	TL	52	1.3	0.92	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	072	TL	52	1.2	0.85	R	F	Ad	Sp	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	073	TL	51	1	0.75	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	074	TL	65	2	0.73	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	075	TL	53	1.1	0.74	R	-	-	-	-	See Comment	Erosion of caudal fin
Ghost Creek	GHC-MT02-P11	-	BKSB	076	TL	51	1.1	0.83	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	077	TL	73	3	0.77	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	078	TL	54	1.4	0.89	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	079	TL	53	1	0.67	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	080	TL	55	0.9	0.54	R	-	-	-	-	See Comment	Moderate black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	081	TL	52	1.2	0.85	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	082	TL	55	1.4	0.84	R	F	Ad	Sp	-	See Comment	Moderate black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	083	TL	57	1.7	0.92	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	084	TL	56	1.3	0.74	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	085	TL	55	1.1	0.66	R	-	-	-	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	086	TL	56	1.1	0.63	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	087	TL	67	2.1	0.70	R	F	Ad	Sp	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	088	TL	55	1.3	0.78	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	089	TL	55	1.6	0.96	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	090	TL	50	1.1	0.88	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	091	TL	51	1	0.75	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	092	TL	70	2.3	0.67	R	-	-	-	-	See Comment	Moderate black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	093	TL	55	1.6	0.96	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	094	TL	51	1.3	0.98	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	095	TL	57	1.6	0.86	R	-	-	-	-	See Comment	Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	096	TL	76	3.2	0.73	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	097	TL	67	2.4	0.80	R	-	-	-	-	See Comment	Lesion on right pectoral fin; Heavy black spot
Ghost Creek	GHC-MT02-P11	-	BKSB	098	TL	54	1.4	0.89	R	-	-	-	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	099	TL	70	2.7	0.79	R	F	Ad	Sp	-	Good	
Ghost Creek	GHC-MT02-P11	-	BKSB	100	TL	67	2.1	0.70	R	-	-	-	-	See Comment	Moderate black spot
Stall Creek	STC-EF02-P11	-	BKSB	001	TL	45	0.9	0.99	R	-	-	-	-	Good	
Stall Creek	STC-EF02-P11	-	BKSB	002	TL	56	1.2	0.68	R	-	-	-	-	Good	
Stall Creek	STC-EF02-P11	-	BKSB	003	TL	57	1.4	0.76	R	-	-	-	-	Good	
Stall Creek	STC-EF02-P11	-	BKSB	004	TL	44	0.7	0.82	R	-	-	-	-	See Comment	Dorsal section bit off; Heavy black spot
Stall Creek	STC-EF02-P11	-	BKSB	005	TL	52	1.2	0.85	R	-	-	-	-	Good	
Stall Creek	STC-EF02-P11	-	BKSB	006	TL	50	1.1	0.88	R	-	-	-	-	See Comment	Light black spot
Stall Creek	STC-EF02-P11	-	BKSB	007	TL	57	1.8	0.97	R	-	-	-	-	Good	
Stall Creek	STC-EF02-P11	-	BKSB	008	TL	41	0.3	0.44	R	-	-	-	-	See Comment	Heavy black spot
Stall Creek	STC-EF02-P11	-	BKSB	009	TL	54	1.2	0.76	R	-	-	-	-	Good	
Stall Creek	STC-EF02-P11	-	BKSB	010	TL	34	0.2	0.51	R	-	-	-	-	See Comment	Light black spot
Stall Creek	STC-EF02-P11	-	BKSB	011	TL	48	0.9	0.81	R	-	-	-	-	See Comment	Light black spot
Stall Creek	STC-EF02-P11	-	BKSB	012	TL	55	1.5	0.90	R	-	-	-	-	Good	
Stall Creek	STC-EF02-P11	-	BKSB	013	TL	44	0.8	0.94	R	-	-	-	-	Good	
Stall Creek	STC-EF02-P11	-	BKSB	014	TL	39	0.6	1.01	R	-	-	-	-	Good	
Stall Creek	STC-EF02-P11	-	BKSB	015	TL	36	0.4	0.86	R	-	-	-	-	See Comment	Heavy black spot

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Stall Creek	STC-EF02-P11	-	BKSB	016	TL	50	1.0	0.80	R	-	-	-	-	See Comment	Heavy black spot
Stall Creek	STC-EF02-P11	-	BKSB	017	TL	43	0.5	0.63	R	-	-	-	-	See Comment	Heavy black spot
Stall Creek	STC-EF02-P11	-	FTMW	001	FL	51	1.2	0.90	R	-	-	-	-	Good	
Tern Ditch	TED-EF01-P11	-	BKSB	047	TL	61	-	-	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	001	TL	65	2.1	0.76	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	002	TL	63	1.8	0.72	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	003	TL	64	1.9	0.72	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	004	TL	66	1.8	0.63	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	005	TL	55	1.7	1.02	R	F	Ad	Sp	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	006	TL	69	2.2	0.67	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	007	TL	63	1.9	0.76	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	008	TL	64	1.9	0.72	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	009	TL	67	2.3	0.76	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	010	TL	65	2.4	0.87	R	-	-	-	-	See Comment	Swollen anus; Distended belly; No eggs
Tern Ditch	TED-MT01-P11	-	BKSB	011	TL	63	1.6	0.64	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	012	TL	65	1.7	0.62	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	013	TL	70	2.2	0.64	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	014	TL	66	2.0	0.70	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	015	TL	68	2.1	0.67	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	016	TL	62	1.7	0.71	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	017	TL	60	1.7	0.79	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	018	TL	65	2.0	0.73	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	019	TL	67	2.2	0.73	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	020	TL	68	2.2	0.70	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	021	TL	59	1.7	0.83	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	022	TL	59	1.6	0.78	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	023	TL	56	1.6	0.91	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	024	TL	65	2.1	0.76	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	025	TL	62	1.5	0.63	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	026	TL	70	2.5	0.73	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	027	TL	53	1.1	0.74	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	028	TL	57	1.3	0.70	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	029	TL	65	1.9	0.69	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	030	TL	63	1.7	0.68	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	031	TL	56	1	0.57	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	032	TL	57	1.1	0.59	R	-	-	-	-	See Comment	Small lesion behind right pectoral fin
Tern Ditch	TED-MT01-P11	-	BKSB	034	TL	68	2.4	0.76	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	034	TL	71	2.4	0.67	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	035	TL	65	2.2	0.80	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	036	TL	61	1.6	0.70	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	037	TL	59	1.4	0.68	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	038	TL	59	1.3	0.63	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	039	TL	53	0.9	0.60	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	040	TL	58	1.2	0.62	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	041	TL	60	1.7	0.79	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Tern Ditch	TED-MT01-P11	-	BKSB	042	TL	57	1.2	0.65	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	043	TL	60	1.7	0.79	R	-	-	-	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	044	TL	64	2.5	0.95	R	F	Ad	Sp	-	Good	
Tern Ditch	TED-MT01-P11	-	BKSB	045	TL	57	1.3	0.70	R	-	-	-	-	Good	
Tern Ditch	TED-MT02-P11	-	BKSB	046	TL	46	0.8	0.82	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	001	TL	57	1.4	0.76	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	002	TL	50	1	0.80	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	003	TL	49	0.9	0.76	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	004	TL	74	2.9	0.72	R	F	Ad	Sp	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	005	TL	57	1.3	0.70	R	F	Ad	Sp	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	006	TL	66	2.4	0.83	R	F	Ad	Sp	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	007	TL	60	1.7	0.79	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	008	TL	59	1.3	0.63	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	009	TL	63	2	0.80	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	010	TL	62	1.9	0.80	R	F	Ad	Sp	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	011	TL	67	2.2	0.73	R	-	-	-	-	See Comment	Minor black spot
Threehouse Creek	THC-MT04-P11	-	BKSB	012	TL	65	2.2	0.80	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	013	TL	60	0.8	0.37	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	014	TL	51	0.1	0.08	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	015	TL	60	0.5	0.23	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	016	TL	53	1.1	0.74	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	017	TL	56	1.3	0.74	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	018	TL	50	1	0.80	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	019	TL	55	1.1	0.66	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	020	TL	66	2.1	0.73	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	021	TL	52	1	0.71	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	022	TL	50	0.8	0.64	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	023	TL	45	0.7	0.77	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	024	TL	59	1.4	0.68	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	025	TL	60	1.7	0.79	R	F	Ad	Sp	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	026	TL	64	1.6	0.61	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	027	TL	55	1.2	0.72	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	028	TL	76	3	0.68	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	029	TL	52	1	0.71	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	030	TL	70	2.5	0.73	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	031	TL	71	2.9	0.81	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	032	TL	53	1.1	0.74	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	034	TL	53	1	0.67	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	034	TL	57	1.2	0.65	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	035	TL	54	1.1	0.70	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	036	TL	59	1.5	0.73	R	F	Ad	Sp	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	037	TL	58	1.4	0.72	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	038	TL	46	1.7	1.75	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	039	TL	48	0.8	0.72	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	040	TL	53	1.1	0.74	R	-	-	-	-	Good	

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 14: Detailed Fish Species Metrics, 2011-2012

Waterbody	Station	Panel (mm)	Species	Number	Length Type	Length (mm)	Weight (g)	Condition (g/mm ³)	Fate	Sex	Lifestage	Maturity	Ageing Structure	External Health	Comment
Threehouse Creek	THC-MT04-P11	-	BKSB	041	TL	51	0.9	0.68	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	042	TL	55	1.2	0.72	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	043	TL	51	1.1	0.83	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	044	TL	54	1.1	0.70	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	045	TL	48	0.9	0.81	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	046	TL	52	1.0	0.71	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	047	TL	47	0.8	0.77	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	048	TL	49	0.8	0.68	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	049	TL	57	1.1	0.59	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	050	TL	56	1.3	0.74	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	051	TL	57	1.7	0.92	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	052	TL	50	0.7	0.56	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	053	TL	50	0.9	0.72	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	054	TL	52	0.9	0.64	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	055	TL	55	1.2	0.72	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	056	TL	53	1.0	0.67	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	057	TL	55	1.0	0.60	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	058	TL	49	0.7	0.59	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	059	TL	54	0.8	0.51	R	-	-	-	-	Good	
Threehouse Creek	THC-MT04-P11	-	BKSB	060	TL	47	0.9	0.87	R	-	-	-	-	Good	
Threehouse Creek	THC-MT01-P12	-	BKSB	001	TL	73	2.7	0.69	Me	-	-	-	-	Good	Internal health good.
Threehouse Creek	THC-MT01-P12	-	BKSB	002	TL	55	1.6	0.96	Me	-	-	-	-	Good	Internal health good.
Threehouse Creek	THC-MT01-P12	-	BKSB	003	TL	51	1.6	1.21	Me	-	-	-	-	Good	Internal health good.
Threehouse Creek	THC-MT01-P12	-	BKSB	004	TL	57	1.4	0.76	Me	-	-	-	-	Good	Internal health good.
Threehouse Creek	THC-MT01-P12	-	BKSB	005	TL	61	1.8	0.79	Me	-	-	-	-	Good	Internal health good.
Threehouse Creek	THC-MT01-P12	-	BKSB	006	TL	57	1.4	0.76	Me	-	-	-	-	Good	Internal health good.
Threehouse Creek	THC-MT01-P12	-	BKSB	007	TL	53	1.4	0.94	Me	-	-	-	-	Good	Internal health good.
Threehouse Creek	THC-MT01-P12	-	BKSB	008	TL	53	1.5	1.01	Me	-	-	-	-	Good	Tapeworm.
Threehouse Creek	THC-MT01-P12	-	BKSB	009	TL	76	3.4	0.77	Me	-	-	-	-	Good	Internal health good.
Threehouse Creek	THC-MT01-P12	-	BKSB	010	TL	78	3.8	0.80	Me	-	-	-	-	Good	Internal health good.

Notes:

Species abbreviations follow Table 5.9 (in text).

* = Fishing station not recorded with fish meristics in summer 2012.

mm = millimetre; g = gram; - = not applicable; TL = total length; FL = fork length; R = released; ID = kept for identification; Mo = mortality; Me = submitted for metals; M = male; F = female; Ad = adult; YOY = young-of-the-year; Sp = in spawning condition; SD = seasonal development; OT = otolith; PvR = pelvic fin ray.

Table - 15: Fish Habitat at Fishing Efforts, 2011-2012

Waterbody	Station	Wetted Width (m)	Channel Width (m)	Max Depth (m)	Secchi Depth (m)	Morphology	Riparian Vegetation
Anderson Bay (in Wekusko Lake)	ANB-GN01-P11	-	-	1.25	-	Lake	CF
	ANB-GN01-F11	-	-	2	1.5	Lake	Sh
	ANB-GN02-P11	-	-	1.5	-	Lake	-
	ANB-GN02-F11	-	-	2	1.5	Lake	Sh
	ANB-MT01-P11	-	-	0.75	-	Lake	MF
	ANB-MT02-P11	-	-	0.5	-	Lake	Gr
	ANB-MT03-P11	-	-	0.5	-	Lake	WL
	ANB-MT04-P11	-	-	0.75	-	Lake	-
	ANB-MT05-P11	-	-	0.75	-	Lake	Gr, Sh
	ANB-MT06-P11	-	-	1	-	Lake	Sh
	ANB-MT07-P11	-	-	0.5	-	Lake	WL
	ANB-GN01-U12	-	-	-	-	Lake	MF
	ANB-GN02-U12	-	-	-	-	Lake	WL
	ANB-MT01-U12	-	-	-	-	Lake	MF
	ANB-MT02-U12	-	-	-	-	Lake	Bd
	ANB-MT03-U12	-	-	-	-	Lake	WL
ANB-MT04-U12	-	-	-	-	Lake	WL	
Arm Lake	ARL-MT01-P11	-	-	1	-	Lake	WL, Bd
	ARL-MT02-P11	-	-	1	-	Lake	WL
	ARL-MT03-P11	-	-	1	-	Lake	WL
	ARL-MT04-P11	-	-	1	-	Lake	CF, WL
	ARL-MT05-P11	-	-	1	-	Lake	CF
Gaspard Lake	GSL-GN01-P11	-	-	1.3	-	Lake	Bd
	GSL-MT01-P11	-	-	1	-	Lake	WL
	GSL-MT02-P11	-	-	0.5	-	Lake	CF, Gr, WL
	GSL-MT03-P11	-	-	1	-	Lake	Bd
	GSL-MT04-P11	-	-	1	-	Lake	Bd
	GSL-MT05-P11	-	-	0.5	-	Lake	MF, WL
Ghost Lake	GHL-GN01-P11	-	-	3	1.5	Lake	Gr, MF, Sh, Bd
	GHL-GN02-P11	-	-	3	1.5	Lake	CF
	GHL-MT01-P11	-	-	0.75	-	Lake	Gr, Sh
	GHL-MT02-P11	-	-	0.75	-	Lake	Gr, MF, Sh
	GHL-MT03-P11	-	-	1	-	Lake	CF
	GHL-MT04-P11	-	-	1	-	Lake	CF
	GHL-MT05-P11	-	-	0.5	-	Lake	Gr, Sh
GHL-MT01-U12	-	-	-	-	Lake	WL	

Notes:

m = metres; CF = coniferous forest, Sh = shrubs; MF = mixed forest; Gr = grasses; Bd = bedrock; Bo = boulder; Co = cobble; Turb = turbidity; UCB = undercut banks; Po = pools; OHV = overhanging vegetation; EM = emergent vegetation; SM = submergent vegetation; SWD = small woody debris; LWD = large woody debris; Cl = clay; Si = silt; Sa = sand; Gv = Gravel; Or = organics.

Table - 15: Fish Habitat at Fishing Efforts, 2011-2012

Waterbody	Station	Wetted Width (m)	Channel Width (m)	Max Depth (m)	Secchi Depth (m)	Morphology	Riparian Vegetation
Goose Bay (in Wekusko Lake)	GSB-GN01-F11	-	-	2	0.9	Lake	Bd
	GSB-GN02-F11	-	-	3	0.9	Lake	Bd
	GSB-MT01-F11	-	-	1	-	Lake	Sh
	GSB-MT02-F11	-	-	1	0.9	Lake	DF, Sh
	GSB-MT03-F11	-	-	1	0.9	Lake	Sh
	GSB-GN01-U12	-	-	-	-	Lake	DF, WL
	GSB-GN02-U12	-	-	-	-	Lake	Gr, WL
	GSB-MT01-U12	-	-	-	-	Lake	DF
	GSB-MT02-U12	-	-	-	-	Lake	DF
	GSB-MT03-U12	-	-	-	-	Lake	DF
Nutt Lake	NTL-GN01-P11	-	-	1	-	Lake	MF, WL
	NTL-MT01-P11	-	-	1	-	Lake	MF, WL
	NTL-MT02-P11	-	-	0.5	-	Lake	CF, Gr, WL
	NTL-MT03-P11	-	-	1	-	Lake	MF, WL, Bd
	NTL-MT04-P11	-	-	1	-	Lake	MF, WL
Threehouse Lake	THL-GN01-P11	-	-	1.5	-	Lake	MF
	THL-GN02-P11	-	-	2	-	Lake	MF
	THL-MT01-P11	-	-	1.5	-	Lake	Gr
	THL-MT02-P11	-	-	1	-	Lake	WL
	THL-MT03-P11	-	-	1	-	Lake	WL
Unnamed Lake 1	UL1-GN01-P11	-	-	1	-	Lake	CF
	UL1-MT01-P11	-	-	1	-	Lake	CF
	UL1-MT02-P11	-	-	1	-	Lake	CF
	UL1-MT03-P11	-	-	1	-	Lake	CF
	UL1-MT04-P11	-	-	1	-	Lake	CF
	UL1-MT05-P11	-	-	1	-	Lake	CF

Notes:

m = metres; CF = coniferous forest; Sh = shrubs; MF = mixed forest; Gr = grasses; Bd = bedrock; Bo = boulder; Co = cobble; Turb = turbidity; UCB = undercut banks; Po = pools; OHV = overhanging vegetation; EM = emergent vegetation; SM = submergent vegetation; SWD = small woody debris; LWD = large woody debris; Cl = clay; Si = silt; Sa = sand; Gv = Gravel; Or = organics.

Table - 15: Fish Habitat at Fishing Efforts, 2011-2012

Waterbody	Station	Wetted Width (m)	Channel Width (m)	Max Depth (m)	Secchi Depth (m)	Morphology	Riparian Vegetation
Anderson Creek	ANC-EF01-P11	2	2	1	-	Riffle	Gr
	ANC-EF02-P11	4	4	1	-	Rapids	WL
	ANC-EF03-P11	1	2	1	-	Run	WL
	ANC-MT01-P11	5	5	1	-	Run	Gr
	ANC-MT02-P11	4	4	1	-	Run	Gr
	ANC-MT03-P11	2	2	1.5	-	Run	WL
Ghost Creek	GHC-MT01-P11	7	7	1	-	Flat	Gr, Sh
	GHC-MT02-P11	5	5	1	-	Flat	Gr, Sh
	GHC-MT03-P11	5	5	1	-	-	Gr
	GHC-MT04-P11	6	6	1	-	Flat	Gr, Sh
Stall Creek	STC-EF02-P11	4	2	0.8	-	Flat	WL
	STC-EF01-P11	1	1	0.5	-	Flat	MF, WL
	STC-EF03-P11	-	-	1	-	Pool	WL
Tern Ditch	TED-EF01-P11	2	2	0.75	-	Flat	Gr
	TED-MT01-P11	3	3	0.5	-	Flat	Gr
	TED-MT02-P11	5	5	2	-	Flat	Gr, Sh
	TED-MT03-P11	10	10	2	-	Flat	Gr
Threehouse Creek	THC MT01-P11	9	9	1	-	Flat	Gr, Sh
	THC MT02-P11	9	9	1	1	Flat	Gr
	THC MT03-P11	7	7	1	0.65	Flat	Gr, Sh
	THC MT04-P11	-	-	1	0.8	Flat	Gr
	THC-MT01-U12	-	-	-	-	-	WL
Unnamed Creek 1	UC1-MT01-P11	-	-	0.75	-	Pool	CF
	UC1-MT02-P11	-	-	0.75	-	Pool	CF
	UC1-MT03-P11	-	-	0.5	-	Pool	-
	UC1-MT04-P11	-	-	1	-	Pool	MF

Notes:

m = metres; CF = coniferous forest; Sh = shrubs; MF = mixed forest; Gr = grasses; Bd = bedrock; Bo = boulder; Co = cobble; Turb = turbidity; UCB = undercut banks; Po = pools; OHV = overhanging vegetation; EM = emergent vegetation; SM = submergent vegetation; SWD = small woody debris; LWD = large woody debris; Cl = clay; Si = silt; Sa = sand; Gv = Gravel; Or = organics.

Table - 15: Fish Habitat at Fishing Efforts, 2011-2012

Waterbody	Station	Cover										Substrate							
		Bo	Co	Turb	UCB	Po	OHV	EM	SM	SWD	LWD	Cl	Si	Sa	Gv	Co	Bo	Bd	Or
Anderson Bay (in Wekusko Lake)	ANB-GN01-P11	20	0	5	0	0	5	0	0	0	0	90	0	0	0	0	0	0	10
	ANB-GN01-F11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ANB-GN02-P11	10	0	0	0	0	0	0	0	0	0	95	0	0	0	0	0	0	5
	ANB-GN02-F11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	ANB-MT01-P11	20	0	0	0	0	0	0	0	0	10	0	0	0	0	30	70	0	0
	ANB-MT02-P11	0	0	0	0	0	10	20	0	0	0	0	0	0	0	0	0	0	100
	ANB-MT03-P11	0	0	0	0	0	5	10	0	0	0	0	0	0	0	0	0	0	100
	ANB-MT04-P11	10	0	0	0	0	0	5	0	0	0	15	0	0	0	25	60	0	0
	ANB-MT05-P11	30	0	0	0	0	10	0	0	5	0	0	0	0	20	80	0	0	0
	ANB-MT06-P11	25	0	0	0	0	5	0	0	0	0	0	0	0	0	25	75	0	0
	ANB-MT07-P11	30	0	0	0	0	0	20	0	0	0	0	0	0	0	20	80	0	0
	ANB-GN01-U12	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	100
	ANB-GN02-U12	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	100
	ANB-MT01-U12	5	0	0	0	0	0	10	0	0	0	0	0	0	5	30	5	0	60
	ANB-MT02-U12	0	0	0	0	0	0	20	0	0	0	0	0	0	5	5	0	0	90
	ANB-MT03-U12	0	0	0	0	0	0	10	10	0	0	0	0	0	0	0	0	0	100
ANB-MT04-U12	0	0	0	0	0	5	5	5	0	0	0	0	0	0	0	0	0	100	
Arm Lake	ARL-MT01-P11	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	100	
	ARL-MT02-P11	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	100	
	ARL-MT03-P11	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	100	
	ARL-MT04-P11	0	0	0	5	0	0	25	0	0	0	0	0	0	0	0	0	0	100
	ARL-MT05-P11	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	100
Gaspard Lake	GSL-GN01-P11	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	
	GSL-MT01-P11	0	0	0	20	0	20	0	0	0	0	0	0	0	0	0	0	0	100
	GSL-MT02-P11	0	0	0	20	0	20	0	0	0	0	0	0	0	0	0	0	0	100
	GSL-MT03-P11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0
	GSL-MT04-P11	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	100	0	0
	GSL-MT05-P11	0	0	0	10	0	10	0	0	0	0	0	0	0	0	0	0	0	100
Ghost Lake	GHL-GN01-P11	0	0	0	0	0	5	0	0	15	80	0	0	0	0	0	0	0	100
	GHL-GN02-P11	10	0	0	0	0	0	0	0	40	50	0	0	0	0	0	10	85	5
	GHL-MT01-P11	0	0	0	0	0	5	0	0	10	20	0	0	0	0	0	0	0	100
	GHL-MT02-P11	10	0	0	0	0	5	0	0	10	75	0	0	0	0	0	85	10	5
	GHL-MT03-P11	40	0	0	0	0	0	0	0	10	50	0	0	0	0	0	40	50	10
	GHL-MT04-P11	10	0	0	0	0	0	0	0	20	70	0	0	0	0	0	49	50	1
	GHL-MT05-P11	0	0	0	0	0	50	0	0	30	20	0	0	0	0	0	0	0	100
GHL-MT01-U12	0	0	0	0	0	0	0	0	5	5	0	0	0	10	0	10	0	80	

Notes:

m = metres; CF = coniferous forest; Sh = shrubs; MF = mixed forest; Gr = grasses; Bd = bedrock; Bo = boulder; Co = cobble; Turb = turbidity; UCB = undercut banks; Po = pools; OHV = overhanging vegetation; EM = emergent vegetation; SM = submergent vegetation; SWD = small woody debris; LWD = large woody debris; Cl = clay; Si = silt; Sa = sand; Gv = Gravel; Or = organics.

Table - 15: Fish Habitat at Fishing Efforts, 2011-2012

Waterbody	Station	Cover										Substrate							
		Bo	Co	Turb	UCB	Po	OHV	EM	SM	SWD	LWD	Cl	Si	Sa	Gv	Co	Bo	Bd	Or
Goose Bay (in Wekusko Lake)	GSB-GN01-F11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GSB-GN02-F11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	GSB-MT01-F11	5	0	0	0	0	0	5	0	5	0	0	5	0	0	90	5	0	0
	GSB-MT02-F11	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	100	0
	GSB-MT03-F11	5	80	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-
	GSB-GN01-U12	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	100
	GSB-GN02-U12	0	0	0	0	0	0	10	5	0	0	0	0	0	0	0	0	0	100
	GSB-MT01-U12	0	0	0	0	0	0	5	0	0	0	0	0	40	0	20	0	0	20
	GSB-MT02-U12	5	0	0	0	0	25	40	0	0	0	0	0	60	0	10	0	0	30
	GSB-MT03-U12	20	0	0	0	0	10	40	0	0	0	0	0	50	0	40	0	0	10
GSB-MT04-U12	0	0	0	0	0	0	40	0	0	0	20	0	40	0	0	0	0	40	
Nutt Lake	NTL-GN01-P11	0	0	0	10	0	15	0	0	0	0	0	0	0	0	0	0	100	
	NTL-MT01-P11	0	0	0	10	0	10	0	0	0	0	0	0	0	0	0	0	100	
	NTL-MT02-P11	0	0	0	20	0	20	0	0	0	0	0	0	0	0	0	0	100	
	NTL-MT03-P11	30	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	100	
	NTL-MT04-P11	10	0	0	10	0	15	0	0	0	0	0	0	0	0	0	0	100	
Threehouse Lake	THL-GN01-P11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	
	THL-GN02-P11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	
	THL-MT01-P11	0	0	0	15	0	0	0	0	0	80	0	0	0	0	0	0	100	
	THL-MT02-P11	0	0	0	20	0	20	0	10	0	0	0	0	0	0	0	0	100	
	THL-MT03-P11	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	100	
	THL-MT04-P11	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	100	
Unnamed Lake 1	UL1-GN01-P11	0	0	0	10	0	15	0	0	0	0	0	0	0	0	0	0	100	
	UL1-MT01-P11	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	100	
	UL1-MT02-P11	0	0	0	10	0	10	0	0	0	0	0	0	0	0	0	0	100	
	UL1-MT03-P11	0	0	0	10	0	20	0	0	0	0	0	0	0	0	0	0	100	
	UL1-MT04-P11	0	0	0	15	0	20	0	0	0	0	0	0	0	0	0	0	100	
	UL1-MT05-P11	0	0	0	20	0	20	0	0	0	0	0	0	0	0	0	0	100	

Notes:

m = metres; CF = coniferous forest; Sh = shrubs; MF = mixed forest; Gr = grasses; Bd = bedrock; Bo = boulder; Co = cobble; Turb = turbidity; UCB = undercut banks; Po = pools; OHV = overhanging vegetation; EM = emergent vegetation; SM = submergent vegetation; SWD = small woody debris; LWD = large woody debris; Cl = clay; Si = silt; Sa = sand; Gv = Gravel; Or = organics.

Table - 15: Fish Habitat at Fishing Efforts, 2011-2012

Waterbody	Station	Cover										Substrate							
		Bo	Co	Turb	UCB	Po	OHV	EM	SM	SWD	LWD	Cl	Si	Sa	Gv	Co	Bo	Bd	Or
Anderson Creek	ANC-EF01-P11	10	0	0	20	5	30	0	0	0	15	0	10	15	0	35	40	0	0
	ANC-EF02-P11	0	0	0	0	20	20	0	10	15	0	0	30	40	0	0	0	0	30
	ANC-EF03-P11	0	0	0	20	10	5	10	10	0	0	40	20	20	0	0	0	0	20
	ANC-MT01-P11	10	0	0	0	0	0	15	0	0	0	0	0	0	10	30	60	0	0
	ANC-MT02-P11	0	0	0	0	0	30	0	0	0	0	0	15	15	0	0	0	0	25
	ANC-MT03-P11	0	0	0	5	0	20	0	0	0	20	0	60	40	0	0	0	0	0
Ghost Creek	GHC-MT01-P11	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	100	
	GHC-MT02-P11	25	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	100	
	GHC-MT03-P11	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	100	
	GHC-MT04-P11	5	0	0	0	0	70	0	0	0	0	0	0	0	0	0	0	100	
Stall Creek	STC-EF02-P11	0	0	0	0	0	0	0	50	0	0	0	20	0	0	0	0	80	
	STC-EF01-P11	0	0	0	30	0	10	0	0	5	10	0	0	0	0	0	5	95	
	STC-EF03-P11	0	0	0	0	5	0	0	0	20	10	0	10	0	0	0	0	90	
Tern Ditch	TED-EF01-P11	0	0	0	5	0	10	25	25	0	0	0	0	0	0	0	0	100	
	TED-MT01-P11	0	0	0	0	0	10	0	0	2	2	0	0	0	0	0	0	100	
	TED-MT02-P11	0	0	0	20	0	50	15	15	0	0	0	0	0	0	0	0	100	
	TED-MT03-P11	0	0	0	0	0	80	10	10	0	0	0	0	0	0	0	0	100	
Threehouse Creek	THC MT01-P11	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	100	
	THC MT02-P11	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	100	
	THC MT03-P11	0	0	0	20	0	30	0	0	0	0	0	0	0	0	0	0	100	
	THC MT04-P11	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	100	
	THC-MT01-U12	0	0	0	0	0	50	0	0	5	5	0	0	0	0	0	0	100	
Unnamed Creek 1	UC1-MT01-P11	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	100	
	UC1-MT02-P11	0	0	0	0	0	0	0	0	20	40	0	0	0	0	0	0	100	
	UC1-MT03-P11	10	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	100	
	UC1-MT04-P11	0	0	20	0	0	20	0	0	30	0	0	0	0	0	0	0	100	

Notes:

m = metres; CF = coniferous forest; Sh = shrubs; MF = mixed forest; Gr = grasses; Bd = bedrock; Bo = boulder; Co = cobble; Turb = turbidity; UCB = undercut banks; Po = pools; OHV = overhanging vegetation; EM = emergent vegetation; SM = submergent vegetation; SWD = small woody debris; LWD = large woody debris; Cl = clay; Si = silt; Sa = sand; Gv = Gravel; Or = organics.

Table - 16: Fish Tissue Residue Results, June 2012

Waterbody Fish Number	DL	MWQSOG ^a	Anderson Bay (in Wekusko Lake)									
			BKSB 001	BKSB 002	BKSB 003	BKSB 004	BKSB 005	BKSB 006	BKSB 007	BKSB 008	BKSB 009	BKSB 010
Length (mm)	1	-	50	52	43	44	43	43	42	61	62	48
Weight (g)	0.1	-	0.9	1.1	1.0	1.0	0.5	1.0	0.9	1.7	1.9	1.0
% Moisture	0.1	-	80.4	79	78.4	76.9	78.6	78.7	78.5	77.7	78.2	78.3
Aluminum	0.6	-	17.6	2.77	3.27	13.1	3.83	14.2	8.27	5.09	2.17	8.16
Antimony	0.01	-	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	0.01	<0.010	<0.010	<0.010
Arsenic	0.01	3.5	0.121	0.122	0.118	0.138	0.157	0.216	0.187	0.326	0.25	0.151
Barium	0.04	-	3.81	1.38	1.78	1.32	1.26	1.42	1.43	1.11	0.987	1.54
Beryllium	0.010	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Bismuth	0.004	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Boron	0.2	-	1.05	0.77	0.84	0.97	0.69	0.78	0.97	0.42	0.36	0.66
Cadmium	0.004	-	0.0063	0.0063	0.0085	<0.0040	<0.0040	0.0043	<0.0040	0.0094	0.0121	0.0076
Calcium	10	-	10100	9290	8560	7520	9260	11900	9620	6610	5830	9930
Cesium	0.004	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Chromium	0.1	-	0.11	<0.10	<0.10	0.11	0.11	<0.10	0.15	<0.10	<0.10	<0.10
Cobalt	0.02	-	0.052	<0.020	<0.020	<0.020	<0.020	0.022	0.034	<0.020	<0.020	0.026
Copper	0.02	-	1.26	1.65	1.77	1.09	1.81	2.11	1.24	0.746	0.698	2.09
Iron	4	-	53.2	19.9	25.9	31.1	22.4	39.9	39.0	20.4	17.3	33.1
Lead	0.04	0.5	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.042
Lithium	0.2	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Magnesium	2	-	443	386	398	379	429	508	468	346	290	451
Manganese	0.04	-	11.9	10.7	11.5	13.6	6.94	9.75	10.4	12.4	10.0	9.44
Molybdenum	0.01	-	0.026	0.033	0.026	0.030	0.022	0.036	0.030	0.028	0.025	0.028
Nickel	0.1	-	0.11	<0.10	0.11	<0.10	<0.10	0.13	0.12	<0.10	<0.10	<0.10
Phosphorus	4	-	6850	6190	6320	5440	6460	7660	6920	5870	5090	6950
Potassium	40	-	3240	3100	3150	2250	3130	3580	3560	3440	2940	3730
Selenium	0.1	-	0.21	0.13	0.27	0.2	0.44	0.62	0.34	0.35	0.11	0.19
Silver	0.02	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Sodium	2	-	1350	1010	1160	685	681	908	1050	968	982	992
Strontium	0.01	-	17.6	8.34	8.50	6.37	8.50	12.5	9.40	3.19	2.78	8.55
Tellurium	0.04	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Thallium	0.006	-	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Thorium	0.01	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Tin	0.04	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Titanium	0.02	-	1.07	0.241	0.283	0.712	0.273	0.868	0.452	0.398	0.218	0.55
Uranium	0.002	-	0.0027	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vanadium	0.1	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zinc	0.2	-	42.9	44.8	37.1	26.9	43.9	55.5	38.4	31.1	33.9	45.1
Zirconium	0.6	-	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60

Notes:

All concentrations are in wet weight mg/kg, except where noted.

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) aquatic life tissue residue guidelines for human consumption (Williamson, 2011)

Table - 16: Fish Tissue Residue Results, June 2012

Waterbody Fish Number	DL	MWQSOG ^a	Ghost Lake									
			BKSB 001	BKSB 002	BKSB 003	BKSB 004	BKSB 005	BKSB 006	BKSB 007	BKSB 008	BKSB 009	BKSB 010
Length (mm)	1	-	70	65	66	67	77	77	69	65	63	72
Weight (g)	0.1	-	2.0	2.2	2.1	2.0	3.1	3.2	2.4	2.1	2.1	2.2
% Moisture	0.1	-	81	78.3	79.7	78.7	77.6	77.4	78.9	76.3	78.3	79.3
Aluminum	0.6	-	5.63	5.21	6.04	2.84	4.76	2.04	3.75	3.55	4.93	2.89
Antimony	0.01	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Arsenic	0.01	3.5	0.205	0.118	0.136	0.196	0.127	0.161	0.175	0.13	0.148	0.185
Barium	0.04	-	3.68	3.66	3.25	4.28	4.8	3.14	2.78	2.54	2.34	2.8
Beryllium	0.010	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Bismuth	0.004	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Boron	0.2	-	0.43	0.34	0.48	0.42	0.26	0.28	0.47	0.61	0.4	0.36
Cadmium	0.004	-	<0.0040	0.0051	0.0054	<0.0040	0.0049	<0.0040	<0.0040	0.0042	0.0054	<0.0040
Calcium	10	-	12100	10700	11900	12200	18300	13000	10700	12400	9170	11700
Cesium	0.004	-	0.0185	0.0154	0.0165	0.0182	0.0203	0.0215	0.02	0.0133	0.0107	0.014
Chromium	0.1	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cobalt	0.02	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Copper	0.02	-	1.93	2.47	1.78	0.897	2.78	2.36	1.53	2	1.2	1.63
Iron	4	-	45.2	38.7	44.6	49.6	50.8	35.5	33.2	48.6	35.2	29.5
Lead	0.04	0.5	0.060	0.040	0.069	0.040	0.052	<0.040	<0.040	0.045	0.077	0.050
Lithium	0.2	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Magnesium	2	-	489	453	501	434	530	449	409	516	427	464
Manganese	0.04	-	5.70	7.35	11.4	8.8	8.15	9.58	4.58	8.73	9.12	8.25
Molybdenum	0.01	-	0.024	0.024	0.030	0.031	0.026	0.034	0.038	0.029	0.063	0.024
Nickel	0.1	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Phosphorus	4	-	6650	6560	7200	7100	9530	7280	6720	7310	6010	7000
Potassium	40	-	2780	2860	2990	2850	2790	2930	3220	2980	3010	3030
Selenium	0.1	-	0.34	0.27	0.28	0.33	0.3	0.26	0.33	0.27	0.18	0.19
Silver	0.02	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Sodium	2	-	1310	1260	807	1380	1130	1360	1380	1330	1190	1410
Strontium	0.01	-	13.1	11.4	11.5	11.6	19.1	12.5	10.8	11	8.06	11.5
Tellurium	0.04	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Thallium	0.006	-	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Thorium	0.01	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Tin	0.04	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Titanium	0.02	-	0.295	0.266	0.436	0.24	0.278	0.213	0.247	0.271	0.299	0.229
Uranium	0.002	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vanadium	0.1	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zinc	0.2	-	68.5	51.5	74.3	78.9	101	73.4	40.5	50.3	52.7	62.7
Zirconium	0.6	-	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60

Notes:

All concentrations are in wet weight mg/kg, except where noted.

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) aquatic life tissue residue guidelines for human consumption (Williamson, 2011)

Table - 16: Fish Tissue Residue Results, June 2012

Waterbody Fish Number	DL	MWQSOG ^a	Goose Bay (in Wekusko Lake)									
			BKSB 001	BKSB 002	STSH 001	STSH 002	STSH 003	STSH 004	STSH 005	STSH 006	STSH 007	STSH 008
Length (mm)	1	-	43	47	82	79	74	78	82	56	84	60
Weight (g)	0.1	-	0.8	1.0	6.0	5.0	4.7	5.4	5.4	2.3	5.9	2.5
% Moisture	0.1	-	78.7	74.9	74.8	75.1	76.1	75.8	76.5	76	74.2	76.8
Aluminum	0.6	-	3.29	10.3	26.6	0.83	1.01	1.03	3.02	40.9	1.58	4.06
Antimony	0.01	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Arsenic	0.01	3.5	0.143	0.159	0.143	0.223	0.196	0.134	0.122	0.262	0.145	0.161
Barium	0.04	-	1.33	1.53	2.06	1.68	1.05	1.39	1.14	1.46	1.45	1.59
Beryllium	0.010	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Bismuth	0.004	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Boron	0.2	-	0.82	0.52	0.26	0.21	<0.20	<0.20	<0.20	0.53	<0.20	0.29
Cadmium	0.004	-	0.0072	0.0061	0.0068	0.0044	0.0051	0.0046	<0.0040	0.0099	<0.0040	0.0059
Calcium	10	-	11300	11100	11500	14300	10300	12600	10800	11500	13300	12200
Cesium	0.004	-	<0.0040	<0.0040	0.0047	<0.0040	<0.0040	<0.0040	<0.0040	0.0078	<0.0040	<0.0040
Chromium	0.1	-	<0.10	<0.10	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cobalt	0.02	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.023	<0.020	<0.020
Copper	0.02	-	1.05	2.13	0.769	0.73	0.958	0.688	0.613	0.725	0.676	0.77
Iron	4	-	23.4	24.6	37.5	8.9	8.7	4.9	8.1	57.8	6.7	14.7
Lead	0.04	0.5	0.044	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Lithium	0.2	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Magnesium	2	-	472	441	427	450	369	426	371	453	430	459
Manganese	0.04	-	12.8	18.8	6.51	4.33	3.06	3.93	5.27	10.1	5.25	4.95
Molybdenum	0.01	-	0.049	0.036	0.02	0.014	0.016	0.012	0.012	0.016	0.014	0.017
Nickel	0.1	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Phosphorus	4	-	8100	7620	7990	8920	6940	7990	7180	7530	8500	7860
Potassium	40	-	3690	3420	3000	3600	3520	3250	3090	3660	3910	3960
Selenium	0.1	-	<0.10	0.26	0.49	0.31	0.29	0.34	0.3	0.25	0.4	0.19
Silver	0.02	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Sodium	2	-	804	1150	943	911	717	833	788	745	978	805
Strontium	0.01	-	7.27	8.95	9.14	10.8	8.1	9.9	7.84	7.91	10.5	9.1
Tellurium	0.04	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Thallium	0.006	-	0.008	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Thorium	0.01	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.014	<0.010	0.016
Tin	0.04	-	0.065	3.17	<0.040	<0.040	<0.040	0.108	<0.040	<0.040	<0.040	<0.040
Titanium	0.02	-	0.138	0.592	1.44	0.19	0.196	0.182	0.308	2.53	0.232	0.371
Uranium	0.002	-	<0.0020	<0.0020	0.0022	<0.0020	<0.0020	<0.0020	<0.0020	0.0034	<0.0020	<0.0020
Vanadium	0.1	-	0.14	0.11	<0.10	<0.10	<0.10	<0.10	<0.10	0.14	<0.10	<0.10
Zinc	0.2	-	40.4	45	41.5	43.1	38.7	43.1	40.5	52.8	41.7	51.5
Zirconium	0.6	-	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60

Notes:

All concentrations are in wet weight mg/kg, except where noted.

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) aquatic life tissue residue guidelines for human consumption (Williamson, 2011)

Table - 16: Fish Tissue Residue Results, June 2012

Waterbody Fish Number	DL	MWQSOG ^a	Threehouse Creek									
			BKSB 001	BKSB 002	BKSB 003	BKSB 004	BKSB 005	BKSB 006	BKSB 007	BKSB 008	BKSB 009	BKSB 010
Length (mm)	1	-	73	55	51	57	61	57	53	53	76	78
Weight (g)	0.1	-	2.7	1.6	1.6	1.4	1.8	1.4	1.4	1.5	3.4	3.8
% Moisture	0.1	-	80.3	76.8	73.2	81.9	79.8	76.6	75.5	76.6	77.5	77
Aluminum	0.6	-	4.09	1.06	1.42	2.16	4.22	4.78	3.95	4.28	4.16	6.41
Antimony	0.01	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Arsenic	0.01	3.5	0.139	0.056	0.049	0.143	0.149	0.142	0.101	0.151	0.098	0.119
Barium	0.04	-	2.32	1.69	4.91	7.18	3.81	4.27	2.55	4.44	2.92	2.58
Beryllium	0.010	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Bismuth	0.004	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
Boron	0.2	-	0.25	0.38	0.33	0.35	0.24	0.39	0.29	0.33	<0.20	<0.20
Cadmium	0.004	-	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	0.005	<0.0040	0.0088	<0.0040	<0.0040
Calcium	10	-	11500	8930	7520	13800	12800	11800	9070	13100	11700	10400
Cesium	0.004	-	0.0147	0.0066	0.008	0.009	0.0064	0.0063	0.0046	0.035	0.0067	0.009
Chromium	0.1	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Cobalt	0.02	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Copper	0.02	-	1.36	0.691	0.688	1.08	1.74	0.955	0.859	1.16	1.31	1.13
Iron	4	-	39.1	15.9	22.1	50.9	39.1	46.3	23.6	33.1	45.4	37.5
Lead	0.04	0.5	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	0.109
Lithium	0.2	-	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Magnesium	2	-	396	399	364	475	443	454	406	470	457	402
Manganese	0.04	-	7.63	15.8	7.4	10.6	7.9	8.62	9.4	12.6	6.9	7.47
Molybdenum	0.01	-	0.036	0.045	0.027	0.046	0.044	0.058	0.045	0.052	0.034	0.026
Nickel	0.1	-	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Phosphorus	4	-	7260	6760	5920	8650	8160	7980	6570	8680	7630	7200
Potassium	40	-	3010	3700	3630	3320	3230	3380	3360	3810	3150	3410
Selenium	0.1	-	0.12	<0.10	<0.10	0.15	<0.10	0.12	0.11	0.13	0.21	0.2
Silver	0.02	-	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Sodium	2	-	1260	1240	1050	1380	1340	1380	1240	1680	1160	1170
Strontium	0.01	-	9.5	6.04	7.82	11.3	9.9	9.34	7.51	9.55	8.31	7.63
Tellurium	0.04	-	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040
Thallium	0.006	-	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060
Thorium	0.01	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Tin	0.04	-	<0.040	<0.040	<0.040	1.83	0.055	<0.040	<0.040	0.042	<0.040	<0.040
Titanium	0.02	-	0.298	0.09	<0.020	0.152	0.19	0.544	0.132	0.221	0.217	0.38
Uranium	0.002	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Vanadium	0.1	-	<0.10	<0.10	<0.10	0.1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Zinc	0.2	-	32.9	36.4	38	47.5	56.3	57.8	40.8	40.6	61.3	68.5
Zirconium	0.6	-	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60

Notes:

All concentrations are in wet weight mg/kg, except where noted.

^b Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSOG) aquatic life tissue residue guidelines for human consumption (Williamson, 2011)

Table - 17: Summary of Whole-Body Fish Tissue Concentrations, June 2012

Waterbody	Anderson Bay (in Wekusko Lake)					Ghost Lake					Goose Bay (in Wekusko Lake)					Threehouse Creek				
	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max	n	Mean	SD	Min	Max
Length (mm)	10	49	7.5	42	62	10	69	4.9	63	77	10	69	16	43	84	10	61	10	51	78
Weight (g)	10	1.1	0.41	0.5	1.9	10	2.3	0.44	2.0	3.2	10	3.9	2.0	0.8	6.0	10	2.06	0.90	1.4	3.8
% Moisture	10	78.5	0.897	76.9	80.4	10	78.6	1.31	76.3	81.0	10	75.9	1.28	74.2	78.7	10	77.5	2.52	73.2	81.9
Aluminum	10	7.85	5.44	2.17	17.6	10	4.16	1.34	2.04	6.04	10	9.26	13.6	0.83	40.9	10	3.65	1.64	1.06	6.4
Antimony	10	--	--	<0.010	0.011	10	--	--	<0.01	--	10	--	--	<0.01	--	10	--	--	<0.01	--
Arsenic	10	0.179	0.068	0.118	0.326	10	0.158	0.031	0.118	0.205	10	0.169	0.045	0.122	0.262	10	0.115	0.038	0.049	0.151
Barium	10	1.60	0.806	0.987	3.81	10	3.33	0.783	2.34	4.80	10	1.47	0.283	1.05	2.06	10	3.67	1.619	1.69	7.18
Beryllium	10	--	--	<0.01	--	10	--	--	<0.01	--	10	--	--	<0.01	--	10	--	--	<0.01	--
Bismuth	10	--	--	<0.004	--	10	--	--	<0.004	--	10	--	--	<0.004	--	10	--	--	<0.004	--
Boron	10	0.75	0.23	0.36	1.05	10	0.41	0.10	0.26	0.61	10	0.30	0.25	<0.2	0.82	10	0.28	0.11	<0.2	0.39
Cadmium	10	0.0061	0.0035	<0.004	0.0121	10	0.0050	0.0005	<0.004	0.0054	10	0.0054	0.0024	<0.004	0.0099	10	--	--	<0.004	0.0088
Calcium	10	8862	1794	5830	11900	10	12217	2402	9170	18300	10	11890	1220	10300	14300	10	11062	2036	7520	13800
Cesium	10	--	--	<0.004	--	10	0.0168	0.0035	0.0107	0.0215	10	--	--	<0.004	0.0078	10	0.0106	0.0090	0.0046	0.035
Chromium	10	--	--	<0.1	0.15	10	--	--	<0.1	--	10	--	--	<0.1	0.10	10	--	--	<0.1	--
Cobalt	10	--	--	<0.02	0.052	10	--	--	<0.02	--	10	--	--	<0.02	0.023	10	--	--	<0.02	--
Copper	10	1.45	0.515	0.698	2.11	10	1.86	0.580	0.897	2.78	10	0.91	0.45	0.613	2.13	10	1.10	0.324	0.688	1.74
Iron	10	30.2	11.3	17.3	53.2	10	41.1	7.61	29.5	50.8	10	19.5	17.0	4.9	57.8	10	35.3	11.5	15.9	50.9
Lead	10	--	--	<0.004	0.0420	10	0.047	0.019	<0.04	0.077	10	--	--	<0.04	0.0440	10	--	--	<0.04	0.1090
Lithium	10	--	--	<0.2	--	10	--	--	<0.2	--	10	--	--	<0.2	--	10	--	--	<0.2	--
Magnesium	10	410	63.5	290	508	10	467	40.3	409	530	10	430	34.8	369	472	10	427	37.7	364	475
Manganese	10	10.7	1.84	6.94	13.6	10	8.17	1.94	4.58	11.4	10	7.50	4.97	3.06	18.8	10	9.4	2.84	6.9	15.8
Molybdenum	10	0.028	0.004	0.022	0.036	10	0.032	0.012	0.024	0.063	10	0.021	0.012	0.012	0.049	10	0.041	0.010	0.026	0.058
Nickel	10	--	--	<0.1	0.13	10	--	--	<0.1	--	10	--	--	<0.1	--	10	--	--	<0.1	--
Phosphorus	10	6375	769.5	5090	7660	10	7136	931.8	6010	9530	10	7863	586.9	6940	8920	10	7481	909.9	5920	8680
Potassium	10	3212	421.7	2250	3730	10	2944	132.5	2780	3220	10	3510	322.8	3000	3960	10	3400	250.1	3010	3810
Selenium	10	0.29	0.16	0.11	0.62	10	0.28	0.06	0.18	0.34	10	0.29	0.12	<0.1	0.49	10	0.15	0.04	<0.1	0.21
Silver	10	--	--	<0.02	--	10	--	--	<0.02	--	10	--	--	<0.02	--	10	--	--	<0.02	--
Sodium	10	979	199	681	1350	10	1256	181	807	1410	10	867	130	717	1150	10	1290	172	1050	1680
Strontium	10	8.57	4.28	2.78	17.6	10	12.1	2.81	8.06	19.1	10	8.95	1.19	7.27	10.8	10	8.69	1.51	6.04	11.3
Tellurium	10	--	--	<0.04	--	10	--	--	<0.04	--	10	--	--	<0.04	--	10	--	--	<0.04	--
Thallium	10	--	--	<0.006	--	10	--	--	<0.006	--	10	--	--	<0.006	0.008	10	--	--	<0.006	--
Thorium	10	--	--	<0.01	--	10	--	--	<0.01	--	10	--	--	<0.01	0.016	10	--	--	<0.01	--
Tin	10	--	--	<0.04	--	10	--	--	<0.04	--	10	--	--	<0.04	3.17	10	--	--	<0.04	1.83
Titanium	10	0.507	0.292	0.218	1.07	10	0.277	0.062	0.213	0.436	10	0.618	0.776	0.138	2.53	10	0.223	0.153	<0.02	0.54
Uranium	10	--	--	<0.002	0.0027	10	--	--	<0.002	--	10	--	--	<0.002	0.0034	10	--	--	<0.002	--
Vanadium	10	--	--	<0.1	--	10	--	--	<0.1	--	10	--	--	<0.1	0.14	10	--	--	<0.1	0.1
Zinc	10	40.0	8.25	26.9	55.5	10	65.4	17.7	40.5	101	10	43.8	4.72	38.7	52.8	10	48.0	12.16	32.9	68.5
Zirconium	10	--	--	<0.6	--	10	--	--	<0.6	--	10	--	--	<0.6	--	10	--	--	<0.6	--

Notes:

All concentrations are in wet weight mg/kg, except where noted.

Table - 18: Detailed Water Chemistry Results for QA/QC Samples, 2011-2012

QA/QC Sample Type	DL	Spring Trip Blanks										Spring Field Blanks		Spring Duplicates			
Sample ID		TRB-01	TRB 03	TRB-02	TRB-04	TRB 05	TRB-06	TRB-07	TRB-08	TRB-09	TRB-10	FLB 01	FLB-02	DUP-01 (THC-01)	DUP 02 (ANB-09)	DUP-02 (THL-01)	DUP-03 (ANC-01)
Date Sampled		20-May-11	22-May-11	21-May-11	23-May-11	24-May-11	25-May-11	27-May-11	28-May-11	29-May-11	30-May-11	22-May-11	29-May-11	21-May-11	24-May-11	27-May-11	30-May-11
Conventional Parameters																	
Laboratory-Measured pH	0.10	5.98	5.87	5.81	5.86	6.02	6.00	5.86	5.94	5.88	5.89	6.20	6.25	7.14	8.19	7.86	7.86
Conductivity (µmhos/cm)	0.40	0.42	0.73	0.76	0.96	0.88	0.73	0.76	0.78	0.84	0.73	1.23	1.20	54.4	159	73.2	501
Hardness (as CaCO ₃)	0.30	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.22	<0.20	0.30	0.54	29.8	72.9	36.8	225
True Color (C.U.)	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	89.1	10.5	50.6	11.2
TSS	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	<5.0	<5.0
TDS	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	34.0	118	40.0	340
Turbidity (NTU)	0.10	<0.10	<0.10	0.10	0.12	0.12	0.32	0.14	0.29	0.10	<0.10	<0.10	0.27	0.76	3.02	1.29	2.98
Anions and Nutrients																	
Acidity (as CaCO ₃)	1.0	1.2	1.5	1.1	1.0	1.3	1.3	<1.0	<1.0	1.9	1.2	2.0	1.4	4.0	1.8	1.3	2.4
Total Alkalinity (as CaCO ₃)	1.0	2.0	2.0	1.9	1.9	2.0	1.8	1.8	1.8	1.8	1.8	2.2	2.1	26.6	70.3	35.1	54.7
Bicarbonate	2.0	2.5	2.4	2.3	2.3	2.5	2.2	2.2	2.2	2.2	2.2	2.7	2.6	32.5	85.7	42.9	66.8
Bromide	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Carbonate	0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
Chloride	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4.71	<0.50	16.4
Fluoride	0.050	<0.050	<0.050	<0.050	<0.050	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.050	<0.10	<0.050	<0.10	<0.10	0.23
Hydroxide	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Reactive Silica (as SiO ₂)	0.005	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.582	1.25	0.826	0.128
Sulfate	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	6.28	<0.50	171
Ammonia as N	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Nitrate and Nitrite as N	0.050 - 0.071	<0.050	<0.050	<0.050	<0.050	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.050	<0.071	<0.050	<0.071	<0.071	<0.071
Nitrate-N	0.050	-	-	-	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	<0.050	<0.050	<0.050
Nitrite-N	0.050	-	-	-	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	-	<0.050	-	<0.050	<0.050	<0.050
TKN	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.30	0.20	<0.20	<0.20	<0.20	<0.20	0.86	0.55	0.92	0.50
TP	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.022	0.040	0.017	0.013
Aggregate Organics																	
BOD Carbonaceous	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.6	<1.0	<1.0	2.4
Organic Parameters																	
Chlorophyll a (µg/L)	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.81	2.78	2.62	3.87
Phaeophytin a (µg/L)	0.10 - 0.20	<0.20	0.37	<0.20	<0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	<0.10	2.90	1.74	0.82	1.32
Organic / Inorganic Carbon																	
DOC	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	17.5	10.1	19.3	9.5
TOC	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	17.8	10.5	19.2	9.8

QA/QC Sample Type	DL	Spring Trip Blanks										Spring Field Blanks		Spring Duplicates			
Sample ID		TRB-01	TRB 03	TRB-02	TRB-04	TRB 05	TRB-06	TRB-07	TRB-08	TRB-09	TRB-10	FLB 01	FLB-02	DUP-01 (THC-01)	DUP 02 (ANB-09)	DUP-02 (THL-01)	DUP-03 (ANC-01)
Date Sampled		20-May-11	22-May-11	21-May-11	23-May-11	24-May-11	25-May-11	27-May-11	28-May-11	29-May-11	30-May-11	22-May-11	29-May-11	21-May-11	24-May-11	27-May-11	30-May-11
Total Metals																	
Aluminum	0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0409	0.139	0.0244	0.223
Antimony	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00027	<0.00020	0.0108
Arsenic	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00195	0.00099	0.00153	0.00323
Barium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00588	0.0123	0.00726	0.0216
Beryllium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010	<0.010	0.021
Cadmium	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	0.000012	<0.000010	<0.000010	<0.000010	0.000077
Calcium	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	0.13	8.14	18.3	10.7	75.6
Cesium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00027
Copper	0.00020	<0.00020	0.00034	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00105	<0.00020	<0.00020	0.00025	0.00047	0.00180	0.00023	0.00602
Iron	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.31	0.18	0.58	0.33
Lead	0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	0.000203	0.000111	<0.000090	0.000271
Lithium	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0029	0.0020	0.0050
Magnesium	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	2.43	7.79	3.21	8.49
Manganese	0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	0.0279	0.0175	0.0236	0.0217
Mercury	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00081
Nickel	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Phosphorus	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Potassium	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.504	1.33	0.603	6.29
Rubidium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00075	0.00127	0.00094	0.00431
Selenium	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.345	1.06	0.474	0.596
Silver	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium	0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.894	3.72	1.17	10.1
Strontium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0148	0.0458	0.0198	0.177
Tellurium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00039	0.00023	<0.00020	<0.00020	<0.00020	0.00073	0.00603	0.00026	0.0135
Tungsten	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Uranium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Vanadium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00026	0.00048	0.00022	0.00069
Zinc	0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0060	<0.0050	<0.0050	0.0598
Zirconium	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040

QA/QC Sample Type	DL	Spring Trip Blanks										Spring Field Blanks		Spring Duplicates			
Sample ID		TRB-01	TRB 03	TRB-02	TRB-04	TRB 05	TRB-06	TRB-07	TRB-08	TRB-09	TRB-10	FLB 01	FLB-02	DUP-01 (THC-01)	DUP 02 (ANB-09)	DUP-02 (THL-01)	DUP-03 (ANC-01)
Date Sampled		20-May-11	22-May-11	21-May-11	23-May-11	24-May-11	25-May-11	27-May-11	28-May-11	29-May-11	30-May-11	22-May-11	29-May-11	21-May-11	24-May-11	27-May-11	30-May-11
Dissolved Metals																	
Aluminum	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0278	0.0045	0.0143	0.0074
Antimony	0.00020	<0.0002	0.00041	<0.0002	0.00044	<0.0002	<0.00020	0.00047	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00025	0.00044	<0.00020	0.0111
Arsenic	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00184	0.00089	0.00140	0.00289
Barium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00544	0.0105	0.00607	0.0198
Beryllium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.027
Cadmium	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Calcium	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.080	<0.050	0.079	0.087	0.077	0.120	0.215	7.86	17.2	9.79	76.3
Cesium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Cobalt	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00026	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Copper	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00046	<0.00020	<0.00020	<0.00020	0.00052	<0.00020	0.00031	0.00073	0.00021	0.00320
Iron	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.18	<0.10	0.40	<0.10
Lead	0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090
Lithium	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0028	<0.0020	<0.0020	<0.0020	<0.0020	0.0026	<0.0020	0.0083
Magnesium	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	2.46	7.26	3.00	8.44
Manganese	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00023	0.00041	<0.00010	<0.00010	<0.00010	<0.00010	0.00552	0.00024	0.00142	0.00156
Mercury	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00093
Nickel	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Phosphorus	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Potassium	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.027	<0.020	<0.020	<0.020	<0.020	0.492	1.22	0.565	5.88
Rubidium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00072	0.00094	0.00086	0.00368
Selenium	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0013
Silicon	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.274	0.796	0.398	0.117
Silver	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.045	<0.020	0.879	3.44	0.939	10.6
Strontium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00013	0.0138	0.0451	0.0179	0.182
Tellurium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00032	<0.00020	<0.00020	0.00215
Tungsten	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Uranium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Vanadium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00025	0.00070	0.00036	0.00070
Zinc	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0034	<0.0020	<0.0020	0.0340
Zirconium	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040

Table - 18: Detailed Water Chemistry Results for QA/QC Samples, 2011-2012

QA/QC Sample Type	DL	Fall Trip Blanks						Fall Trip Blanks		Fall Duplicates		Summer Field Blank
Sample ID		TRB-01	TRB-02	TRB-03	TRB-04	TRB - 05	TRB-06	FLB-01	FLB02	DUP-01 (GHL-03)	DUP-02 (THL-03)	FLB-02
Date Sampled		13-Sep-11	14-Sep-11	15-Sep-11	15-Sep-11	17-Sep-11	15-Sep-11	15-Sep-11	16-Sep-11	14-Sep-11	15-Sep-11	18-Jun-12
Conventional Parameters												
Laboratory-Measured pH	0.10	5.99	5.92	5.99	5.97	6.08	5.94	6.31	6.19	7.87	7.84	8.08
Conductivity ($\mu\text{mhos/cm}$)	0.40	0.89	0.96	0.98	0.90	0.88	1.00	1.38	1.41	102	75.4	490
Hardness (as CaCO_3)	0.30	0.34	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	49.7	40.7	-
True Color (C.U.)	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	15.6	40.5	10.5
TSS	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.0	<5.0	<5.0
TDS	5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	66.0	54.0	308
Turbidity (NTU)	0.10	0.11	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1.04	2.42	2.1
Anions and Nutrients												
Acidity (as CaCO_3)	1.0	1.1	1.2	1.3	1.2	1.0	1.2	1.1	1.5	1.0	1.1	<2.0
Total Alkalinity (as CaCO_3)	1.0	4.4	4.8	4.4	4.2	4.5	4.2	4.5	5.6	43.4	38.4	-
Bicarbonate	2.0	5.3	5.9	5.4	5.1	5.5	5.1	5.5	6.8	53.0	46.8	-
Bromide	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-
Carbonate	0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	-
Chloride	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	1.24	<0.50	-
Fluoride	0.050	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	-
Hydroxide	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	-
Reactive Silica (as SiO_2)	0.005	0.0060	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.722	1.41	0.37
Sulfate	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	7.41	<0.50	-
Ammonia as N	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	-
Nitrate and Nitrite as N	0.050 - 0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	<0.071	-
Nitrate-N	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	-
Nitrite-N	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	-
TKN	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.91	0.99	<0.20
TP	0.010	<0.010	<0.010	0.010	<0.010	<0.010	<0.010	0.010	<0.010	0.011	0.013	<0.010
Aggregate Organics												
BOD Carbonaceous	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	5.9	36
Organic Parameters												
Chlorophyll <i>a</i> ($\mu\text{g/L}$)	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	3.08	4.91	<1.0
Phaeophytin <i>a</i> ($\mu\text{g/L}$)	0.10 - 0.20	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	1.69	2.30	-
Organic / Inorganic Carbon												
DOC	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	15.3	21.6	11.2
TOC	1.0	<1.0	<1.0	1.1	<1.0	<1.0	<1.0	1.0	<1.0	16.6	24.0	19.2

QA/QC Sample Type	DL	Fall Trip Blanks						Fall Trip Blanks		Fall Duplicates		Summer Field Blank
Sample ID		TRB-01	TRB-02	TRB-03	TRB-04	TRB - 05	TRB-06	FLB-01	FLB02	DUP-01 (GHL-03)	DUP-02 (THL-03)	FLB-02
Date Sampled		13-Sep-11	14-Sep-11	15-Sep-11	15-Sep-11	17-Sep-11	15-Sep-11	15-Sep-11	16-Sep-11	14-Sep-11	15-Sep-11	18-Jun-12
Total Metals												
Aluminum	0.0050	0.0054	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0212	0.0117	<0.0050
Antimony	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00198	0.00149	<0.00020
Barium	0.00020	0.00025	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0176	0.0107	<0.00020
Beryllium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Calcium	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.15	13.8	11.7	0.17
Cesium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Copper	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00029	<0.00020	<0.00020
Iron	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.12	0.14	<0.10
Lead	0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090
Lithium	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0027	<0.0020	<0.0020
Magnesium	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	5.19	3.45	<0.010
Manganese	0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	0.0845	0.0570	<0.00030
Mercury	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000020
Molybdenum	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Nickel	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Phosphorus	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.10
Potassium	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.817	0.597	<0.020
Rubidium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00115	0.00089	<0.00020
Selenium	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.412	0.7685	<0.050
Silver	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium	0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	1.49	1.24	<0.030
Strontium	0.00010	0.00011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0334	0.0221	0.00012
Tellurium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin	0.00020	0.00021	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium	0.00020	0.00045	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00026	<0.00020	<0.00020
Tungsten	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.00010
Uranium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Vanadium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Zinc	0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0133	<0.0050	<0.0020
Zirconium	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040

QA/QC Sample Type	DL	Fall Trip Blanks						Fall Trip Blanks		Fall Duplicates		Summer Field Blank
Sample ID		TRB-01	TRB-02	TRB-03	TRB-04	TRB - 05	TRB-06	FLB-01	FLB02	DUP-01 (GHL-03)	DUP-02 (THL-03)	FLB-02
Date Sampled		13-Sep-11	14-Sep-11	15-Sep-11	15-Sep-11	17-Sep-11	15-Sep-11	15-Sep-11	16-Sep-11	14-Sep-11	15-Sep-11	18-Jun-12
Dissolved Metals												
Aluminum	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0090	0.0059	<0.0020
Antimony	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00164	0.00135	<0.00020
Barium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.0155	0.00810	<0.00020
Beryllium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Calcium	0.050	0.138	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	12.1	10.9	<0.050
Cesium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Cobalt	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Copper	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00020	<0.00020	<0.00020
Iron	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Lead	0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090	<0.000090
Lithium	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0031	<0.0020	<0.0020
Magnesium	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	4.74	3.24	<0.010
Manganese	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00031	0.00037	<0.00010
Mercury	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000020
Molybdenum	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Nickel	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Phosphorus	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.030
Potassium	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	0.731	0.554	<0.020
Rubidium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00103	0.00090	<0.00020
Selenium	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon	0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.360	0.636	<0.050
Silver	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	1.33	1.16	<0.020
Strontium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.0312	0.0219	<0.00010
Tellurium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Tungsten	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00010
Uranium	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Vanadium	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Zinc	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	0.0058	<0.0020	<0.0020
Zirconium	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040

Notes:
 All concentrations in milligrams per Litre (mg/L) unless otherwise noted.
 DL = detection limit; BOD = biochemical oxygen demand; TDS = total dissolved solids; TSS = total suspended solids; TKN = total Kjeldahl nitrogen; TP = total phosphorus; TOC = total organic carbon; µmhos/cm = micromhos per centimetre; mg/L = milligrams per litre; TCU = true color unit; NTU = Nephelometric Turbidity Units; µg/L = micrograms per litre.