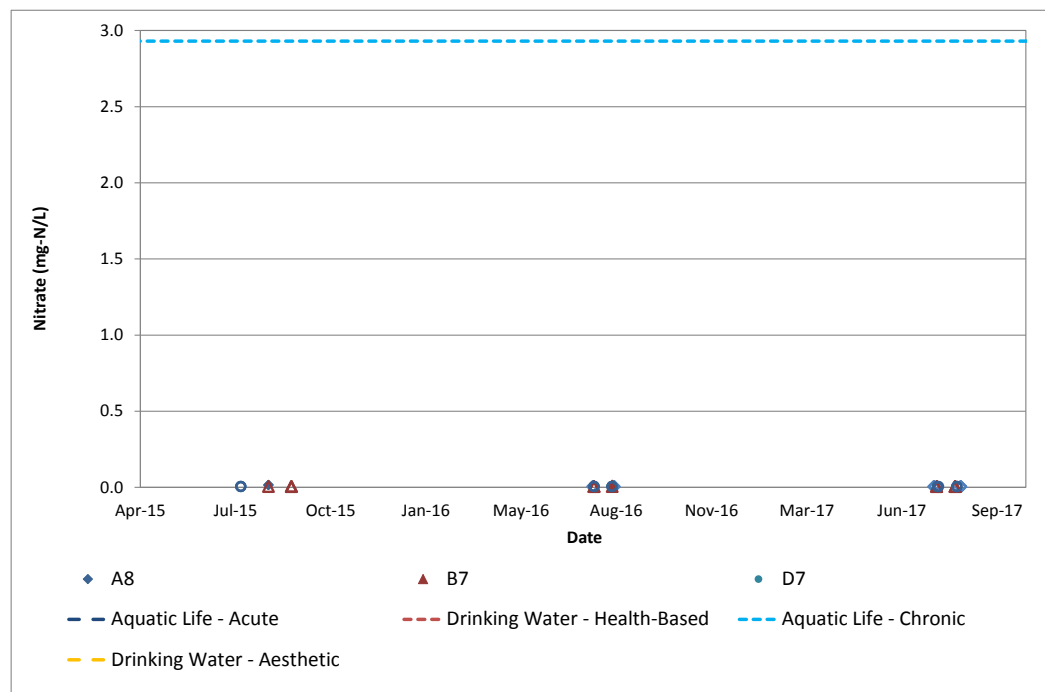
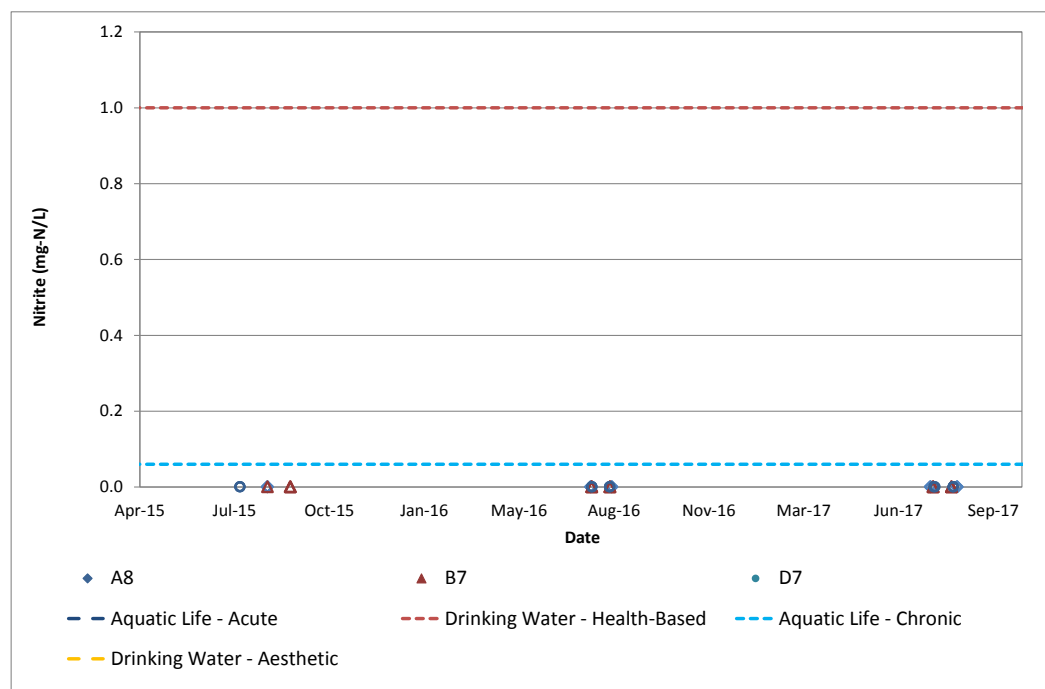


3E2.4 Nutrients



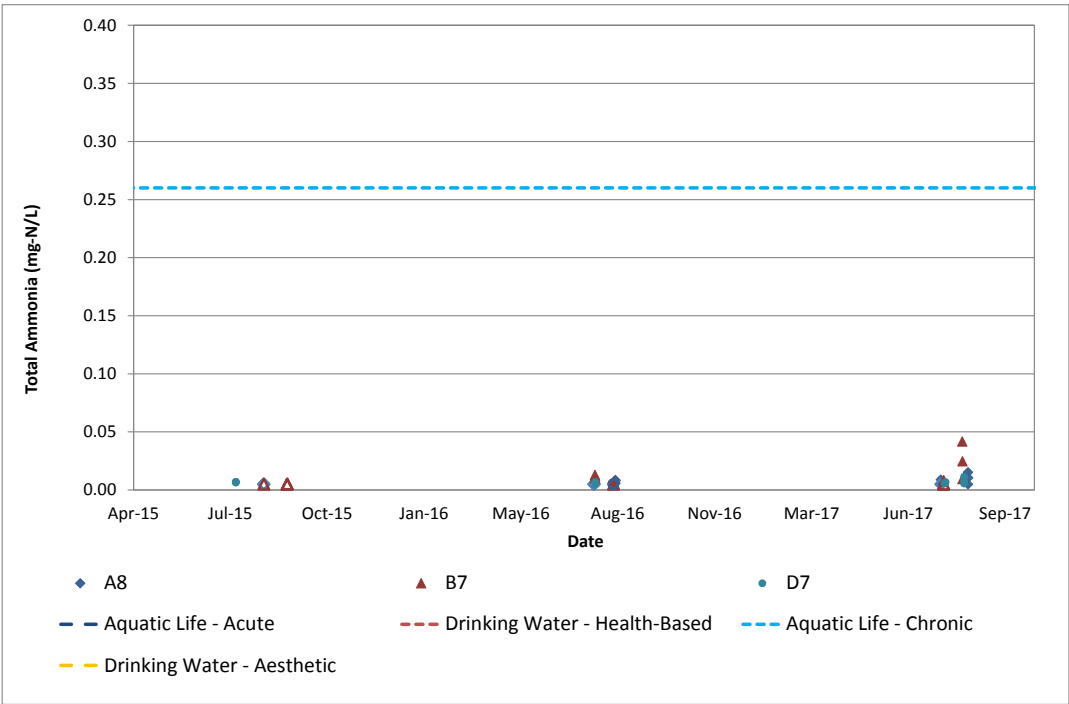
mg-N/L = milligrams as nitrogen per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-4a: Concentrations of Nitrate at Peninsula Lakes between 2015 and 2017



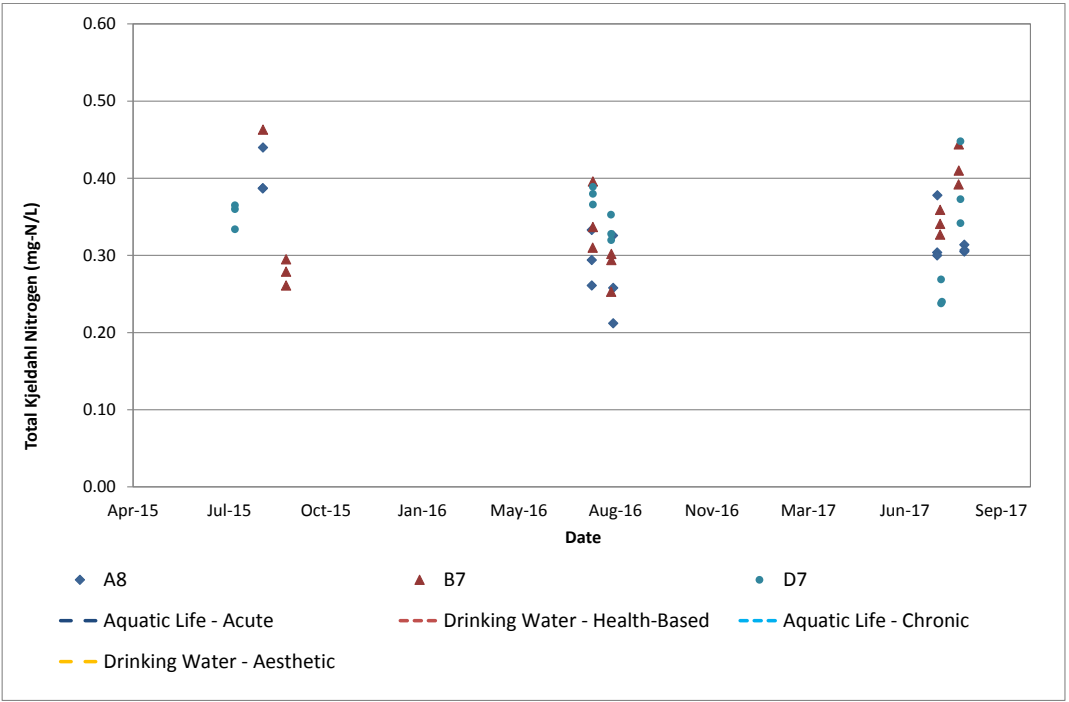
mg-N/L = milligrams as nitrogen per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-4b: Concentrations of Nitrite at Peninsula Lakes between 2015 and 2017



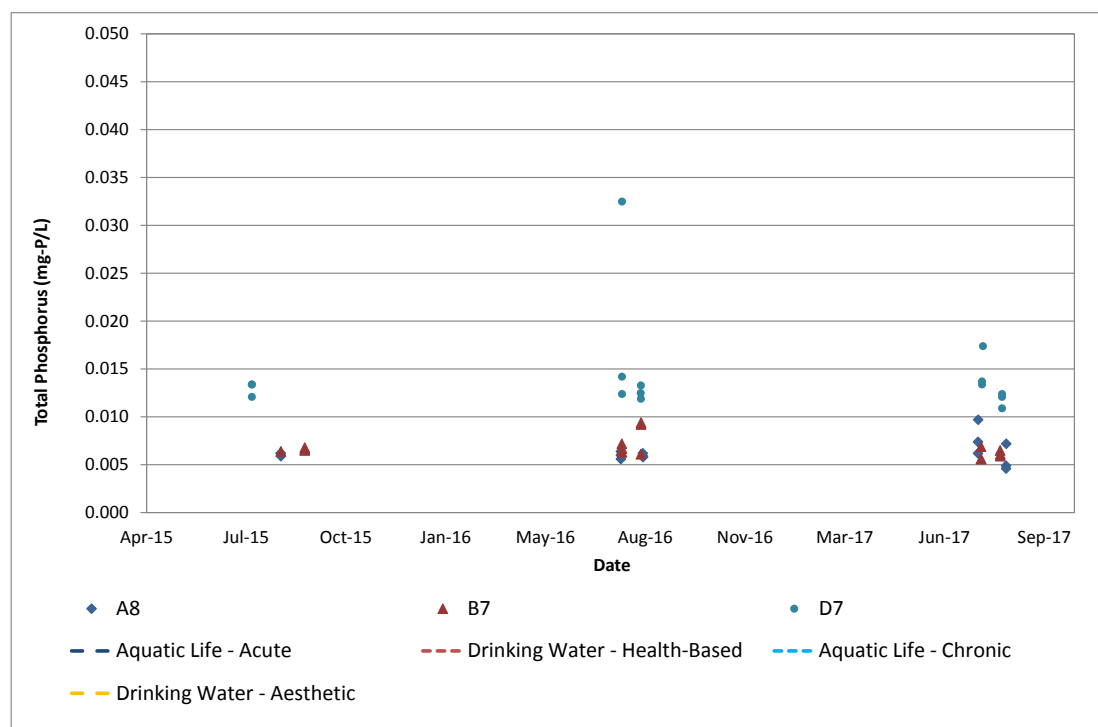
mg-N/L = milligrams as nitrogen per litre. Guideline is dependent on pH and temperature; the guideline presented in the graph represents the minimum value. Open symbols represent results that are less than the detection limit.

Figure 3E.2-4c: Concentrations of Ammonia at Peninsula Lakes between 2015 and 2017



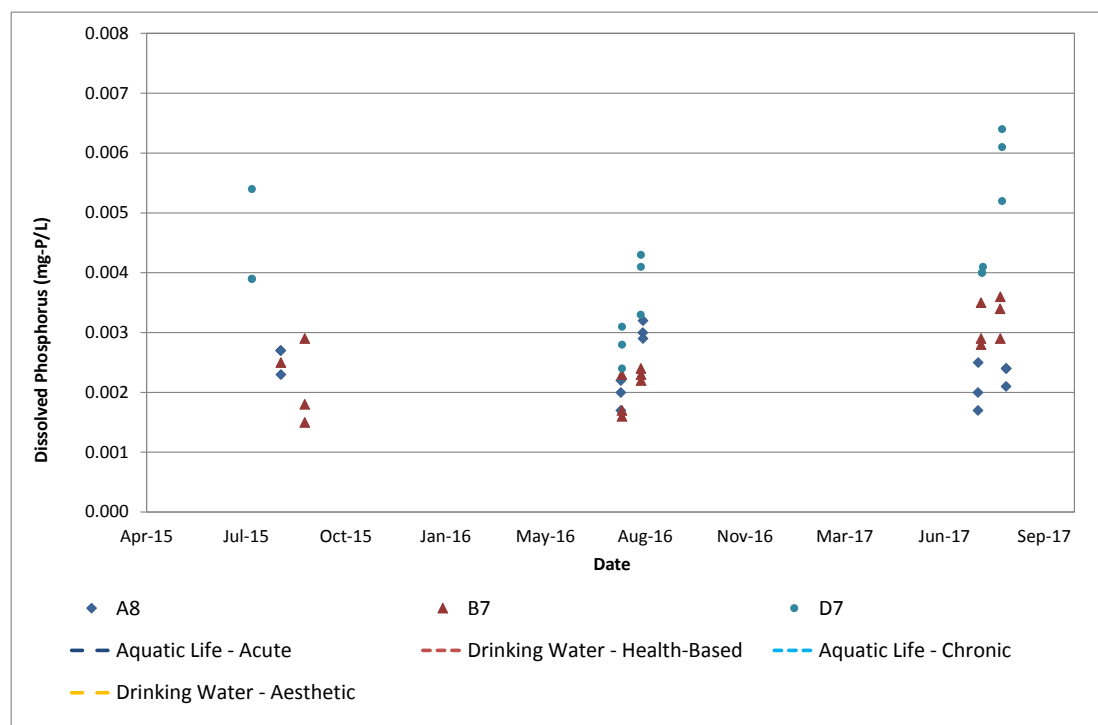
mg-N/L = milligrams as nitrogen per litre.

Figure 3E.2-4d: Concentrations of Total Kjeldahl Nitrogen at Peninsula Lakes between 2015 and 2017



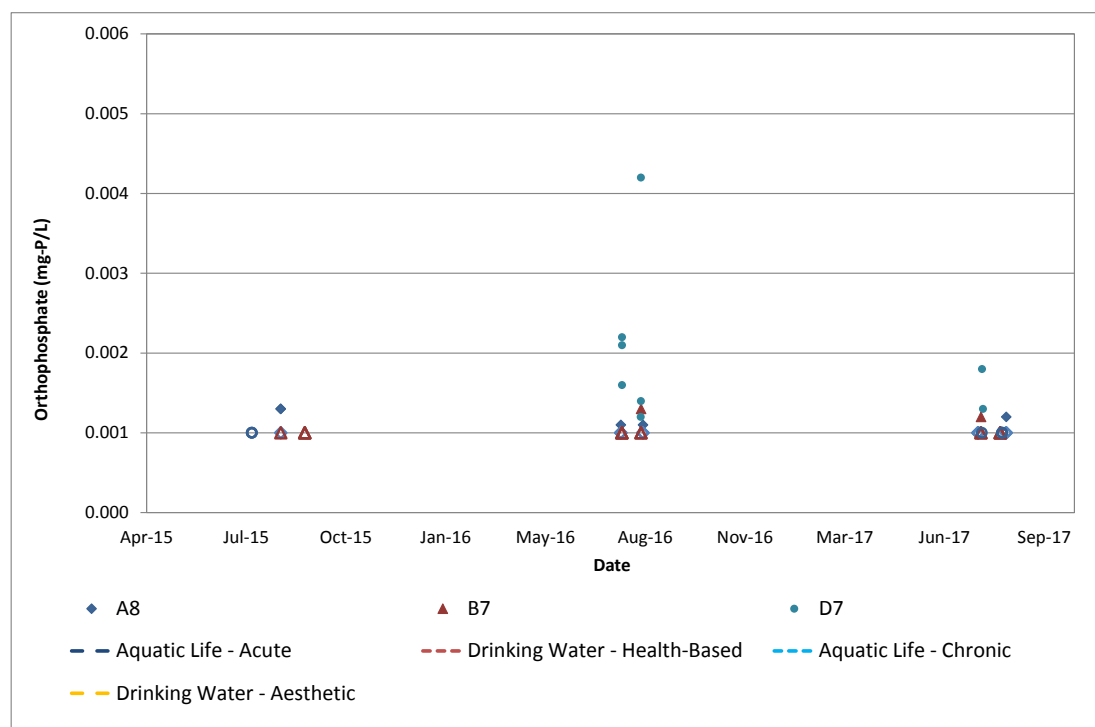
mg-P/L = milligrams as phosphorus per litre.

Figure 3E.2-4e: Concentrations of Total Phosphorus at Peninsula Lakes between 2015 and 2017



mg-P/L = milligrams as phosphorus per litre.

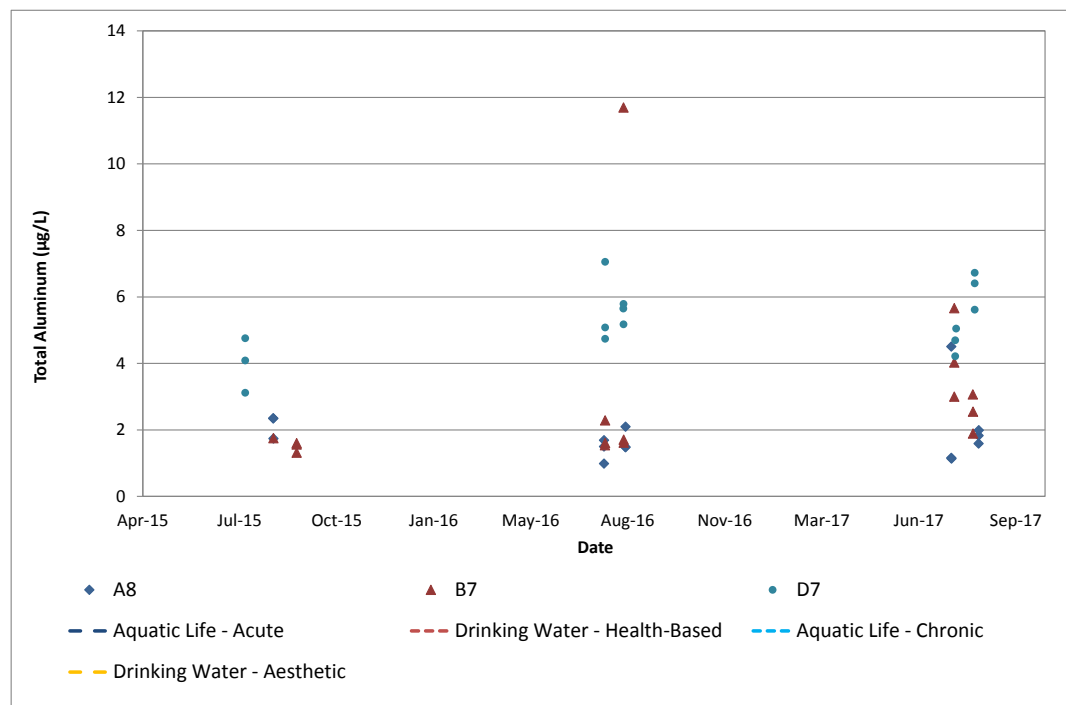
Figure 3E.2-4f: Concentrations of Dissolved Phosphorus at Peninsula Lakes between 2015 and 2017



mg-P/L = milligrams as phosphorus per litre. Open symbols represent results that are less than the detection limit.

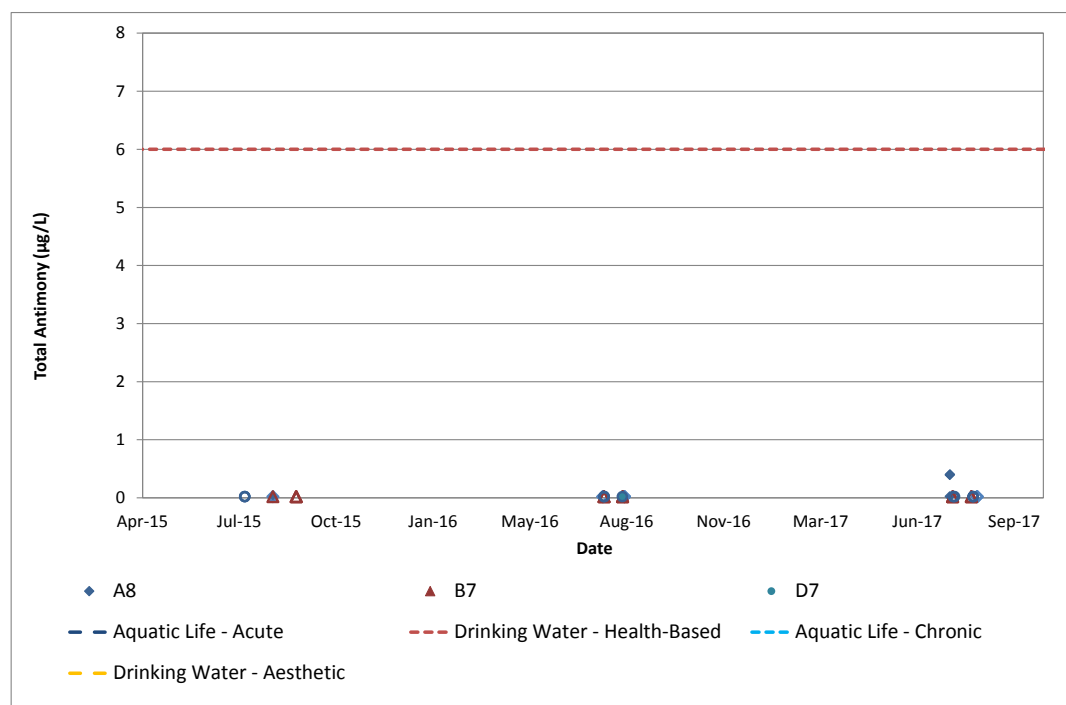
Figure 3E.2-4g: Concentrations of Orthophosphate at Peninsula Lakes between 2015 and 2017

3E2.5 Total Metals



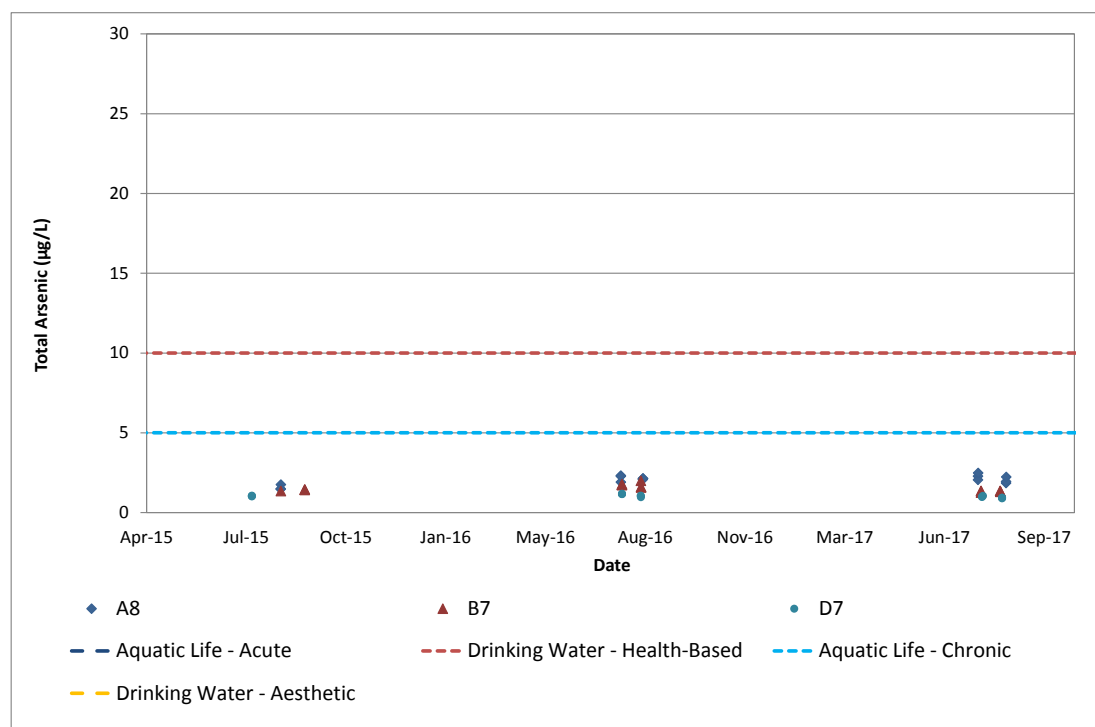
µg/L = micrograms per litre.

Figure 3E.2-5a: Concentrations of Total Aluminum at Peninsula Lakes between 2015 and 2017



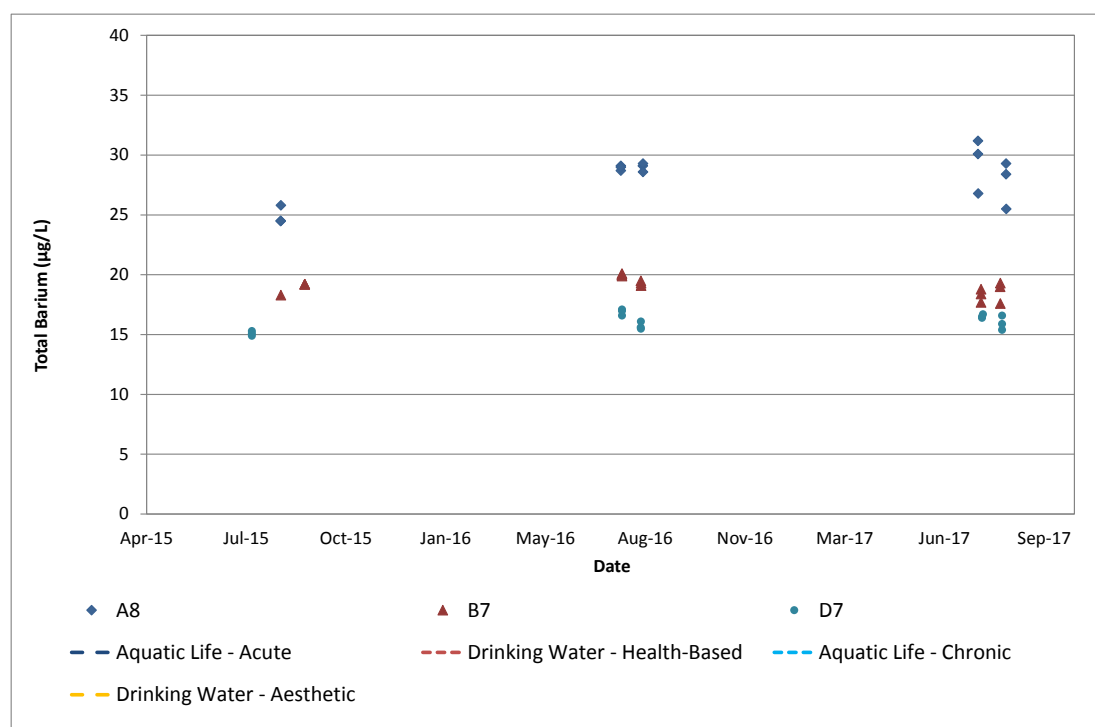
µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-5b: Concentrations of Total Antimony at Peninsula Lakes between 2015 and 2017



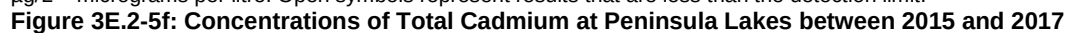
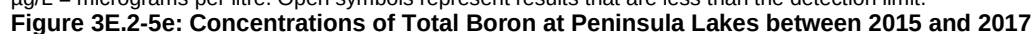
µg/L = micrograms per litre.

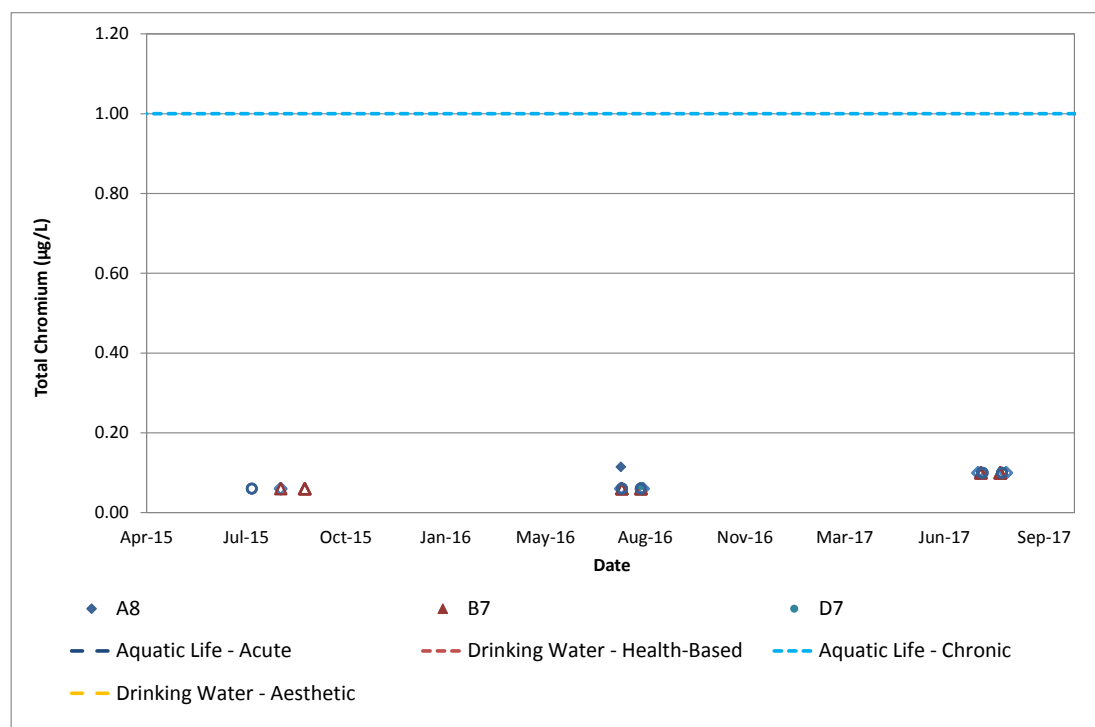
Figure 3E.2-5c: Concentrations of Total Arsenic at Peninsula Lakes between 2015 and 2017



µg/L = micrograms per litre.

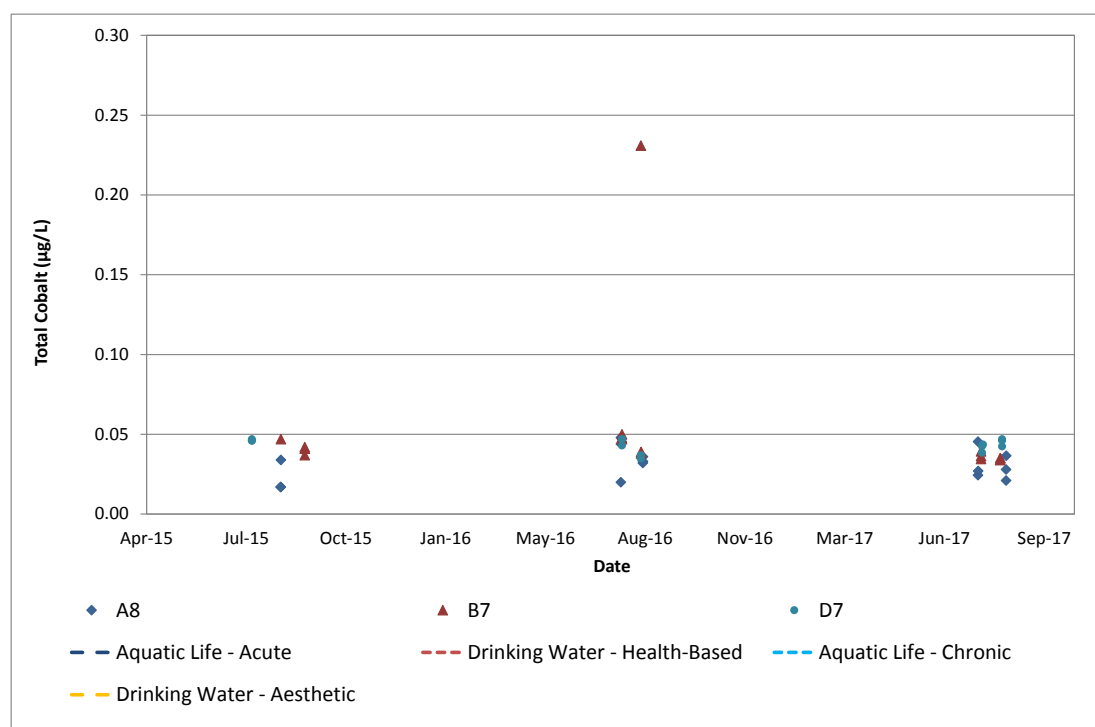
Figure 3E.2-5d: Concentrations of Total Barium at Peninsula Lakes between 2015 and 2017





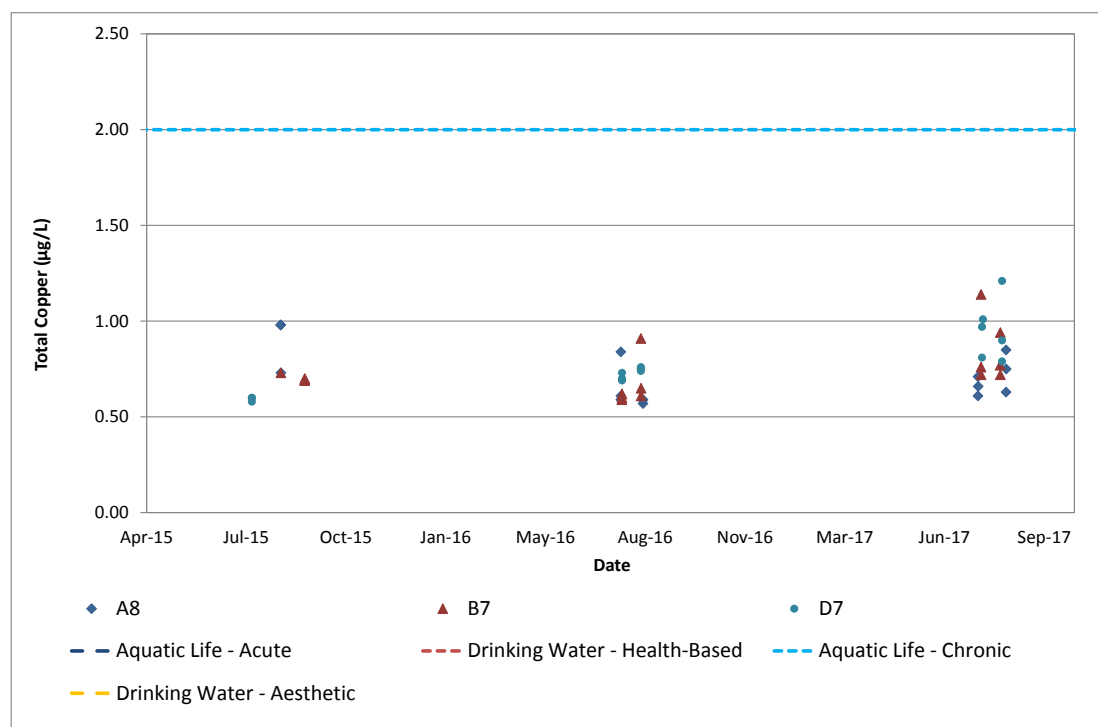
µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-5g: Concentrations of Total Chromium at Peninsula Lakes between 2015 and 2017



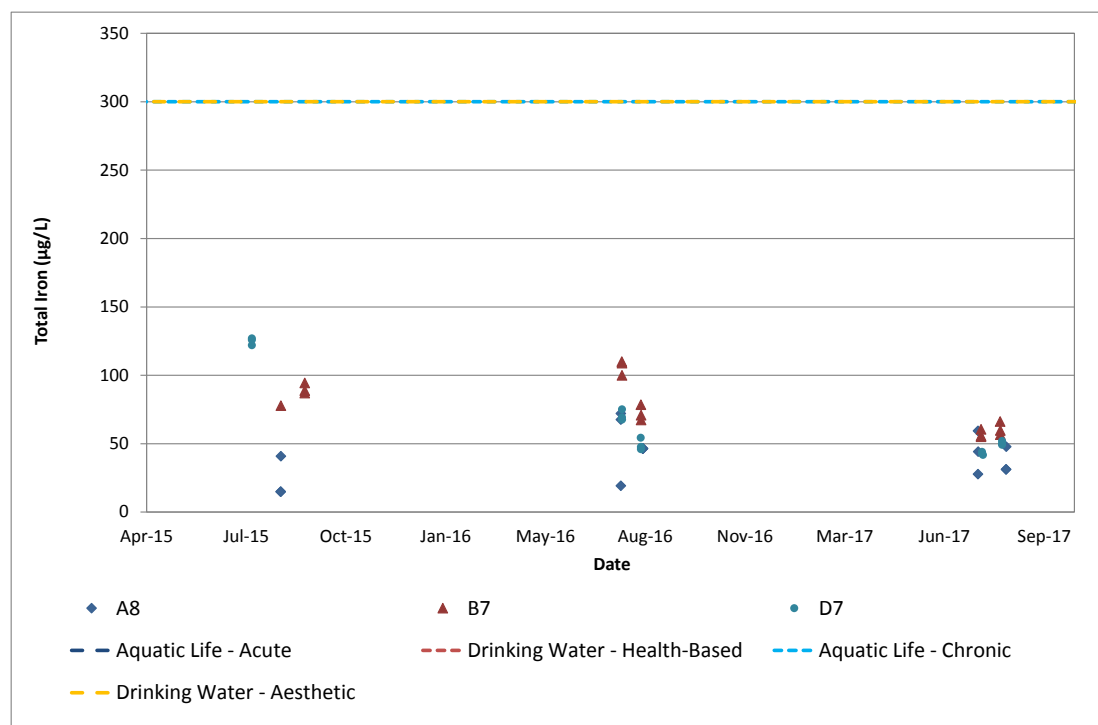
µg/L = micrograms per litre.

Figure 3E.2-5h: Concentrations of Total Cobalt at Peninsula Lakes between 2015 and 2017



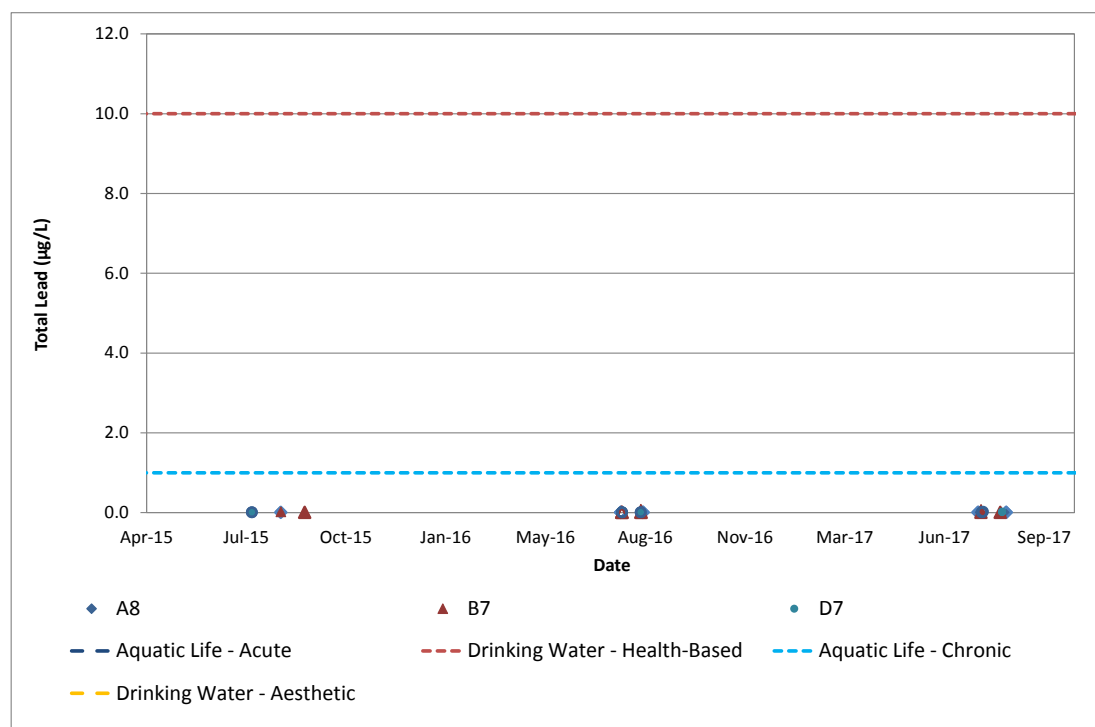
µg/L = micrograms per litre.

Figure 3E.2-5i: Concentrations of Total Copper at Peninsula Lakes between 2015 and 2017



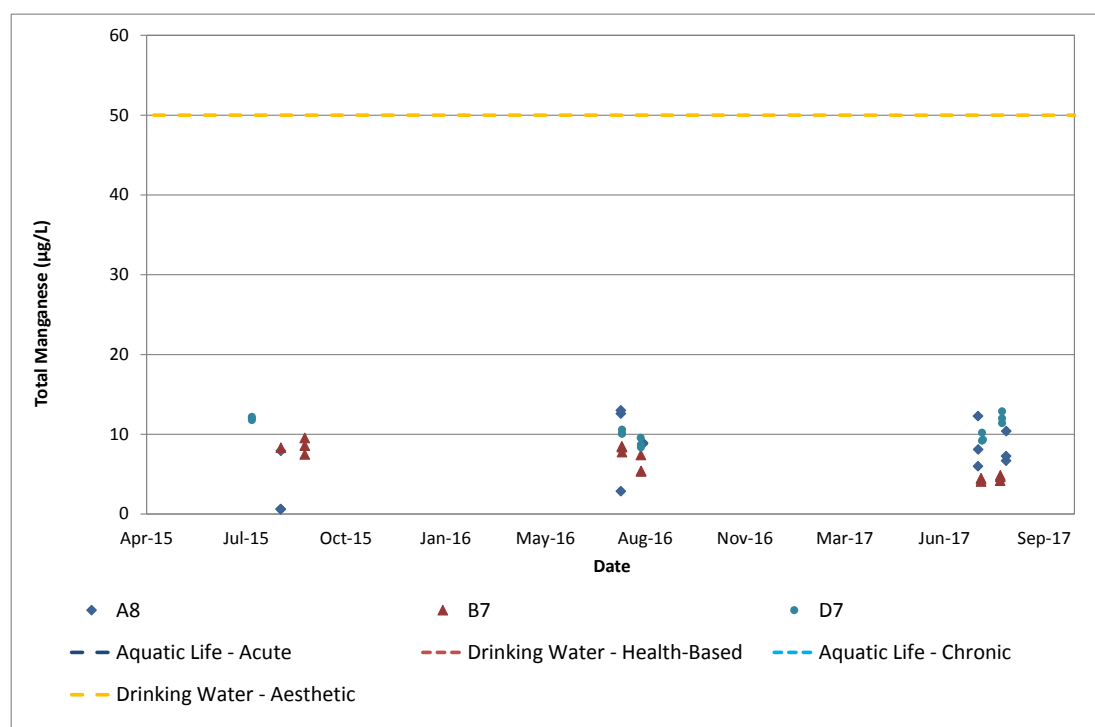
µg/L = micrograms per litre.

Figure 3E.2-5j: Concentrations of Total Iron at Peninsula Lakes between 2015 and 2017



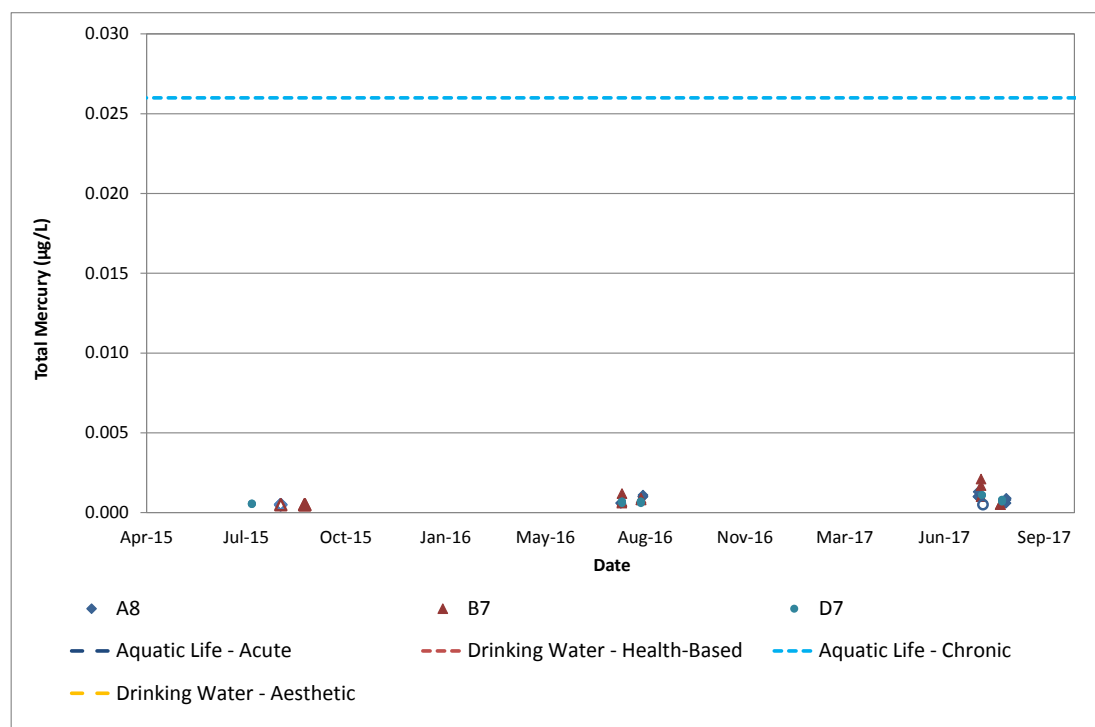
µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-5k: Concentrations of Total Lead at Peninsula Lakes between 2015 and 2017



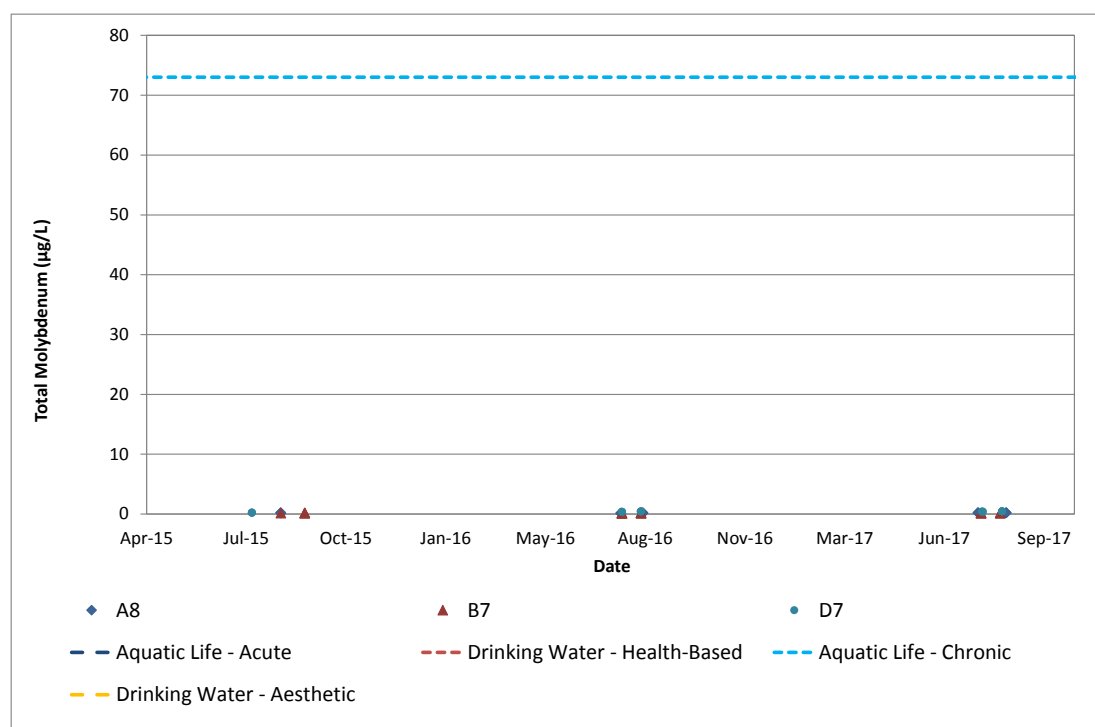
µg/L = micrograms per litre.

Figure 3E.2-5l: Concentrations of Total Manganese at Peninsula Lakes between 2015 and 2017



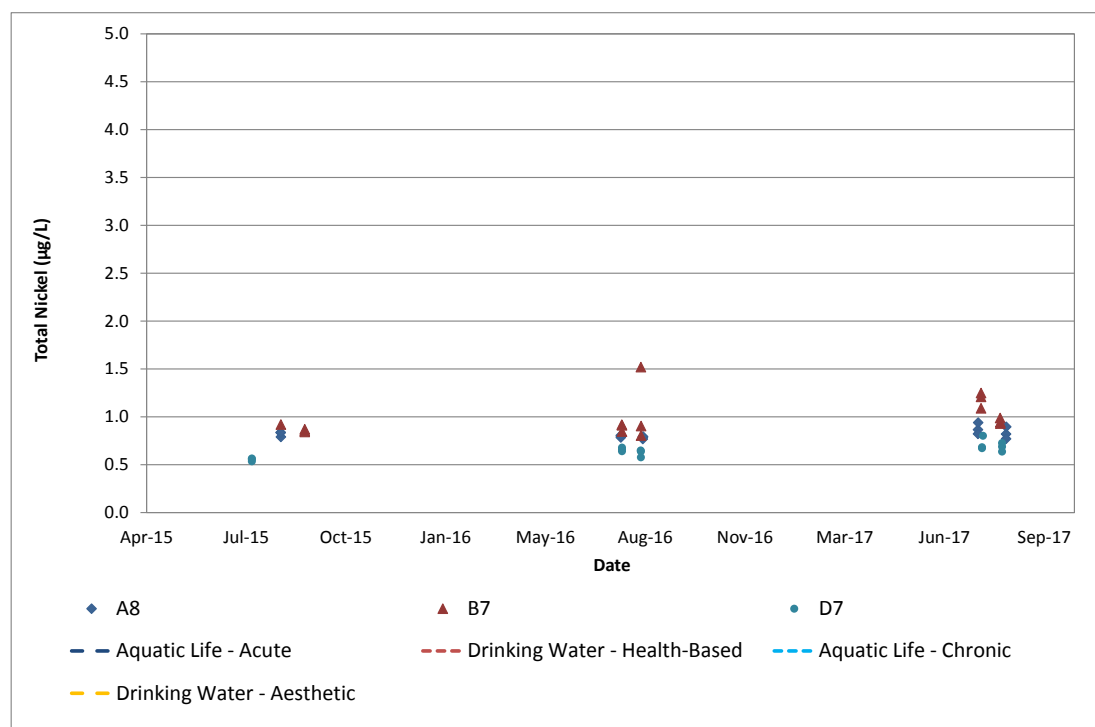
µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-5m: Concentrations of Total Mercury at Peninsula Lakes between 2015 and 2017



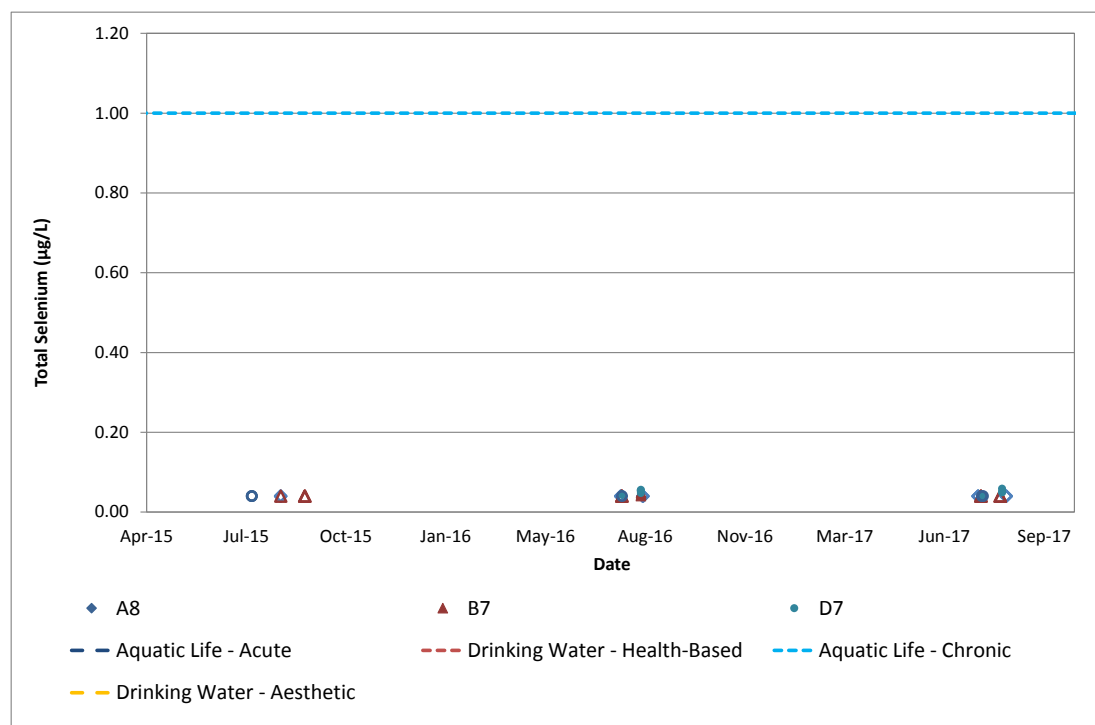
µg/L = micrograms per litre.

Figure 3E.2-5n: Concentrations of Total Molybdenum at Peninsula Lakes between 2015 and 2017



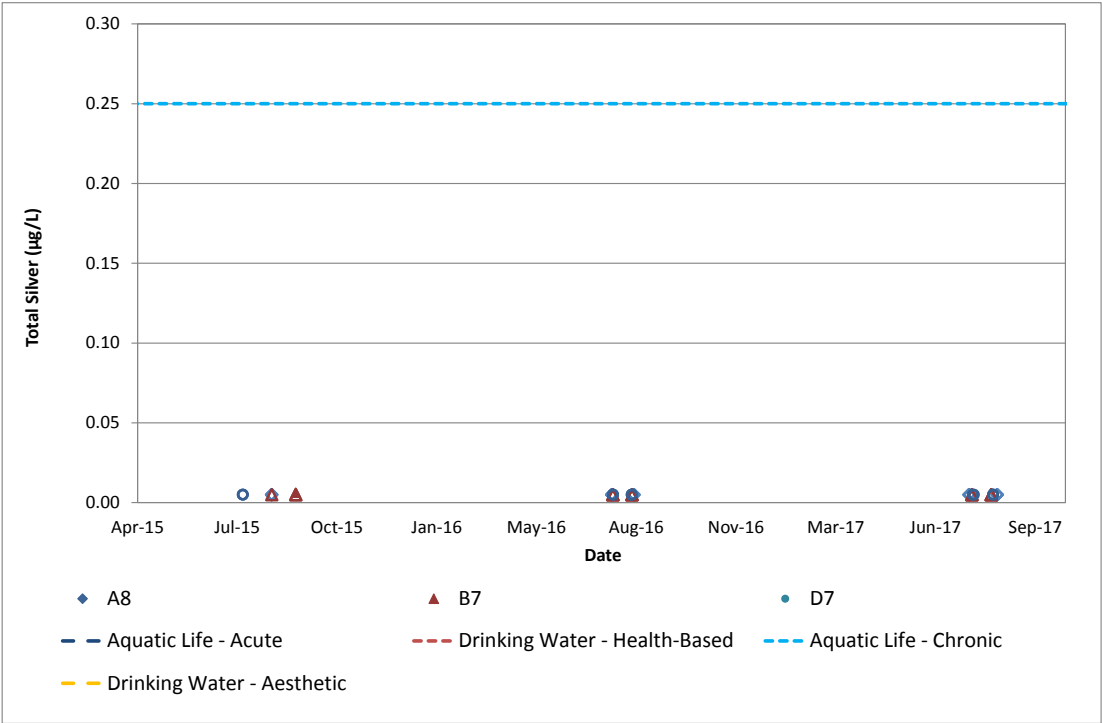
µg/L = micrograms per litre.

Figure 3E.2-5o: Concentrations of Total Nickel at Peninsula Lakes between 2015 and 2017

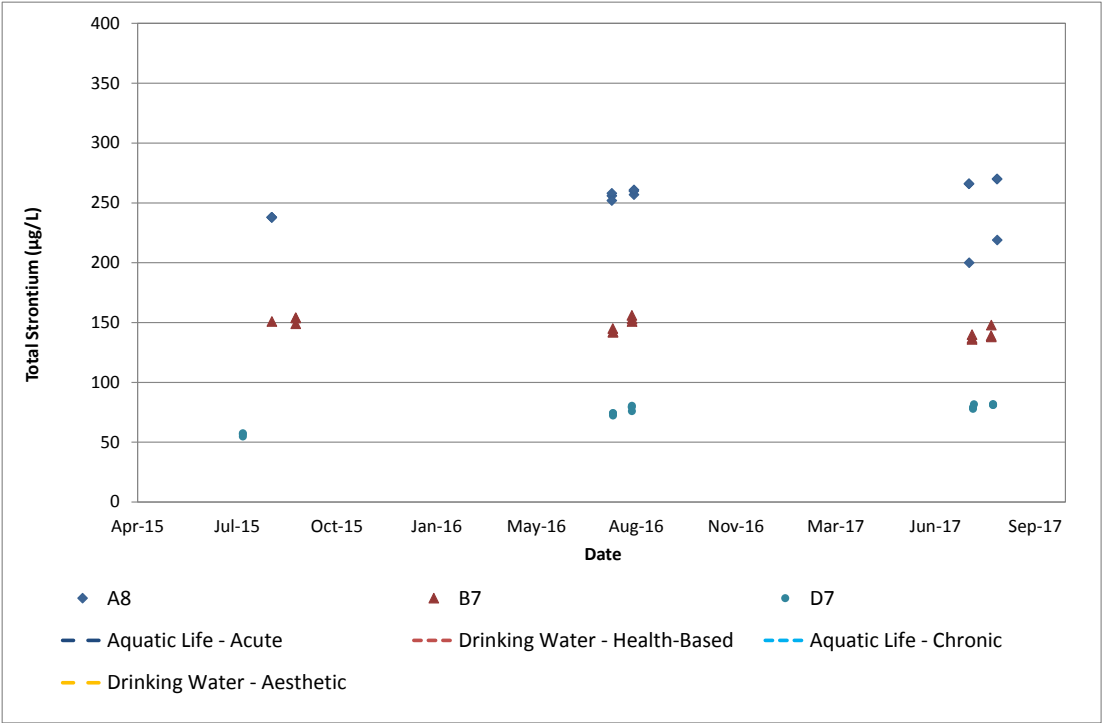


µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

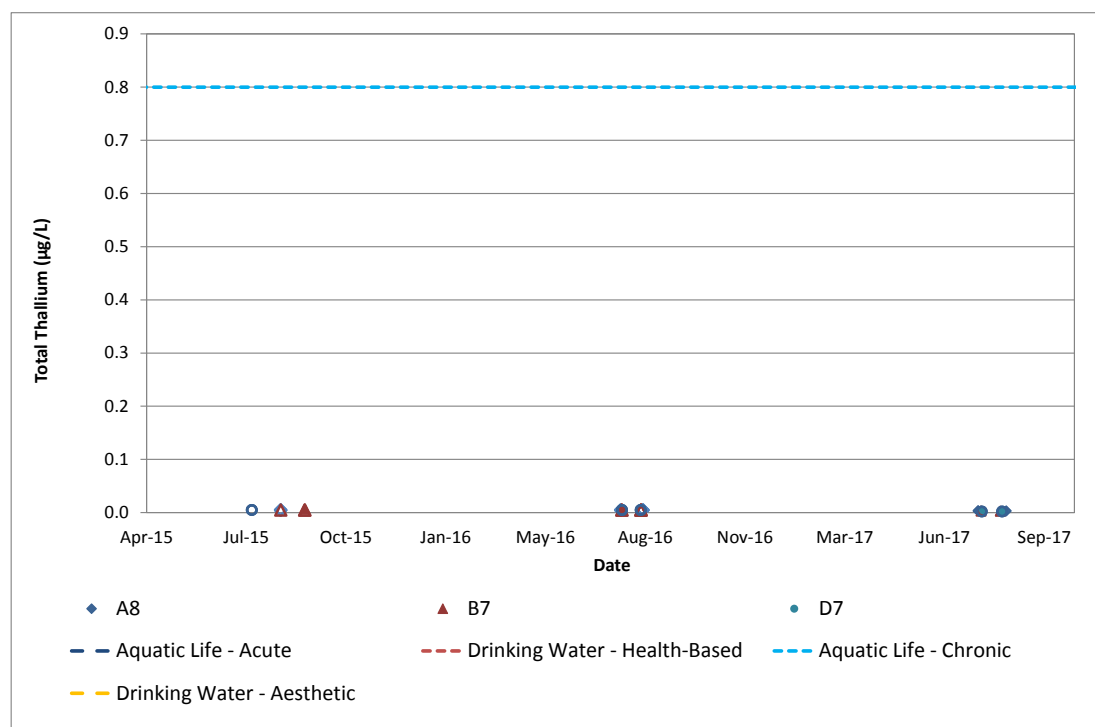
Figure 3E.2-5p: Concentrations of Total Selenium at Peninsula Lakes between 2015 and 2017



µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.
Figure 3E.2-5q: Concentrations of Total Silver at Peninsula Lakes between 2015 and 2017

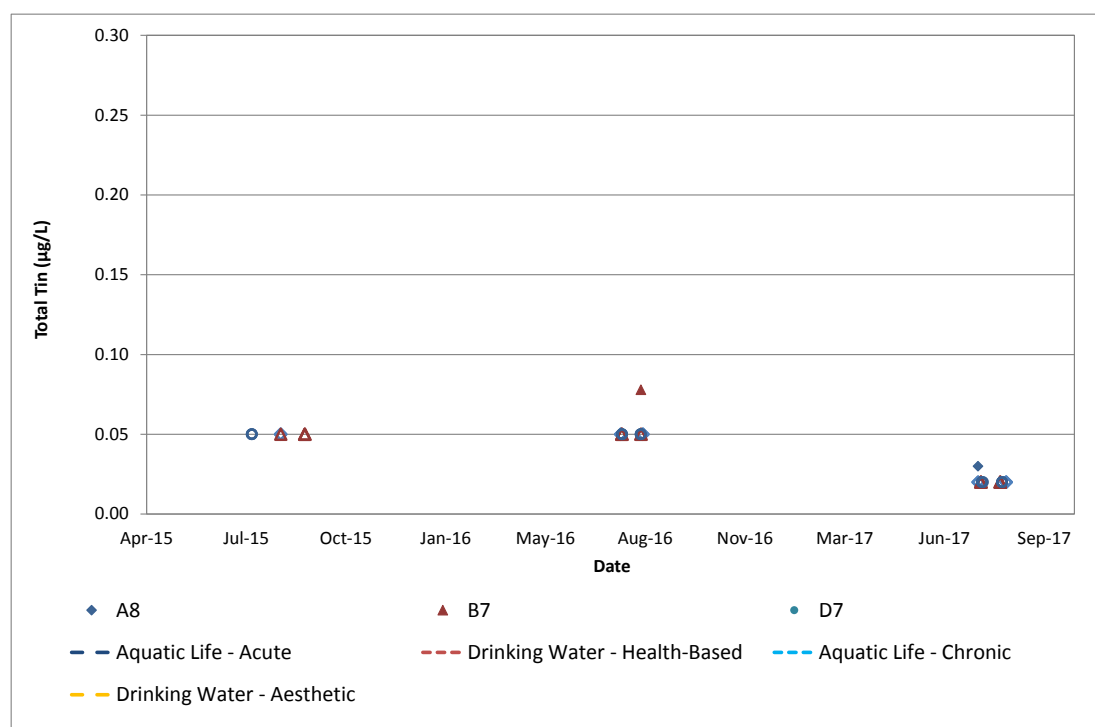


µg/L = micrograms per litre.
Figure 3E.2-5r: Concentrations of Total Strontium at Peninsula Lakes between 2015 and 2017



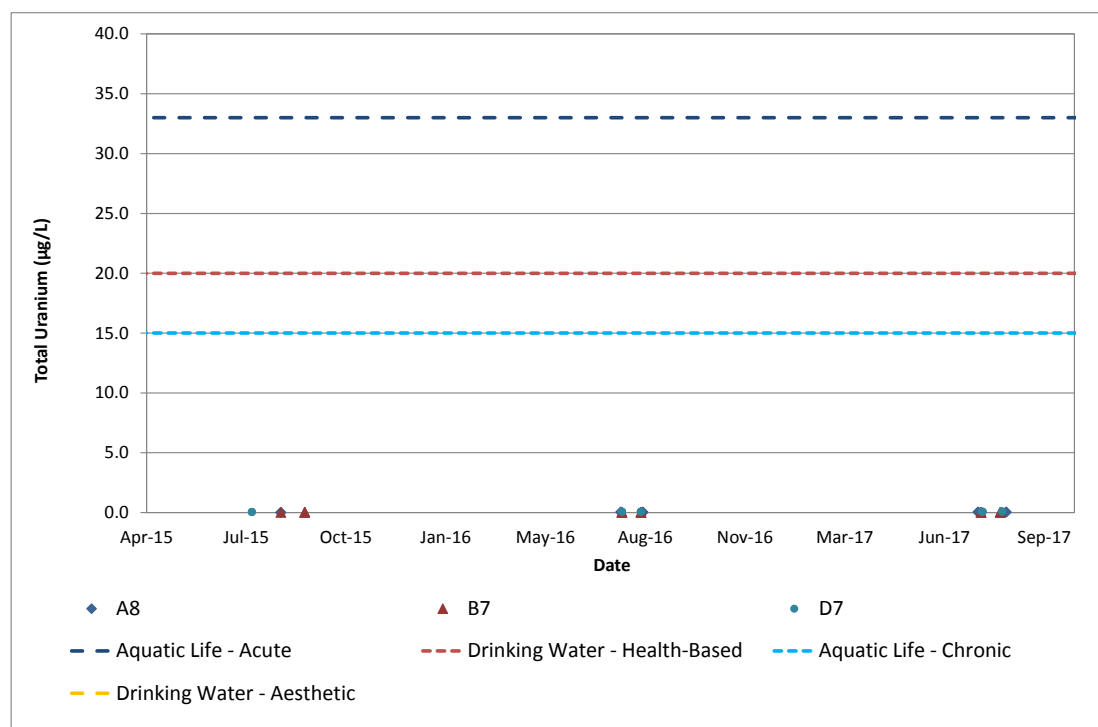
µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-5s: Concentrations of Total Thallium at Peninsula Lakes between 2015 and 2017



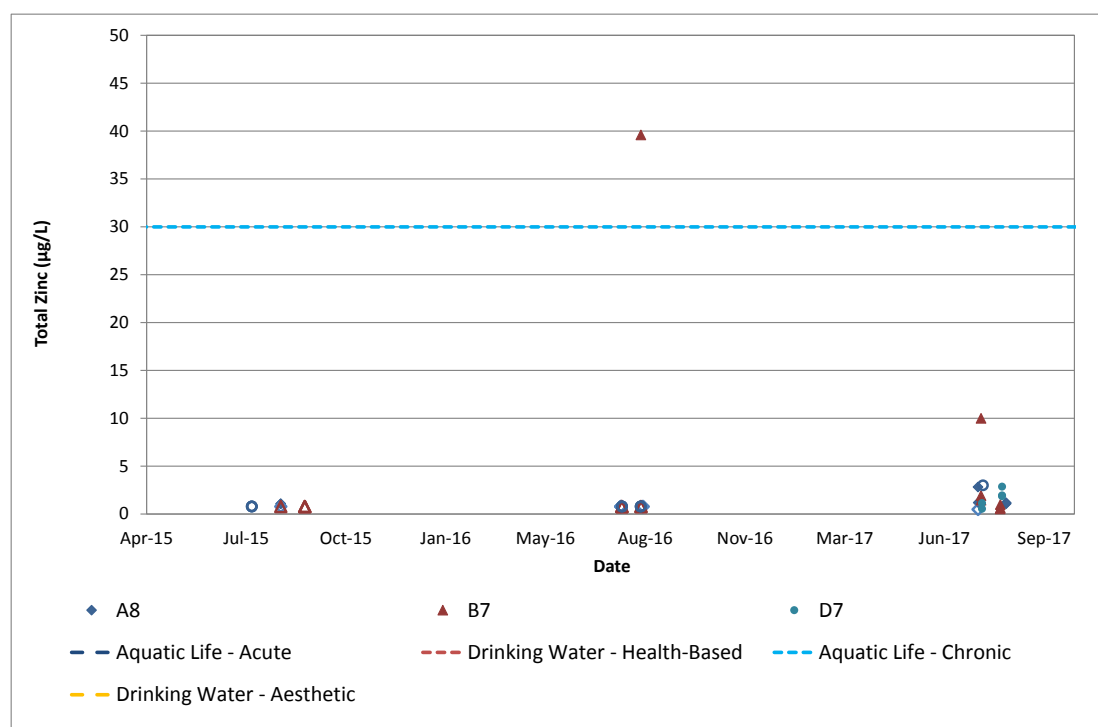
µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-5t: Concentrations of Total Tin at Peninsula Lakes between 2015 and 2017



µg/L = micrograms per litre.

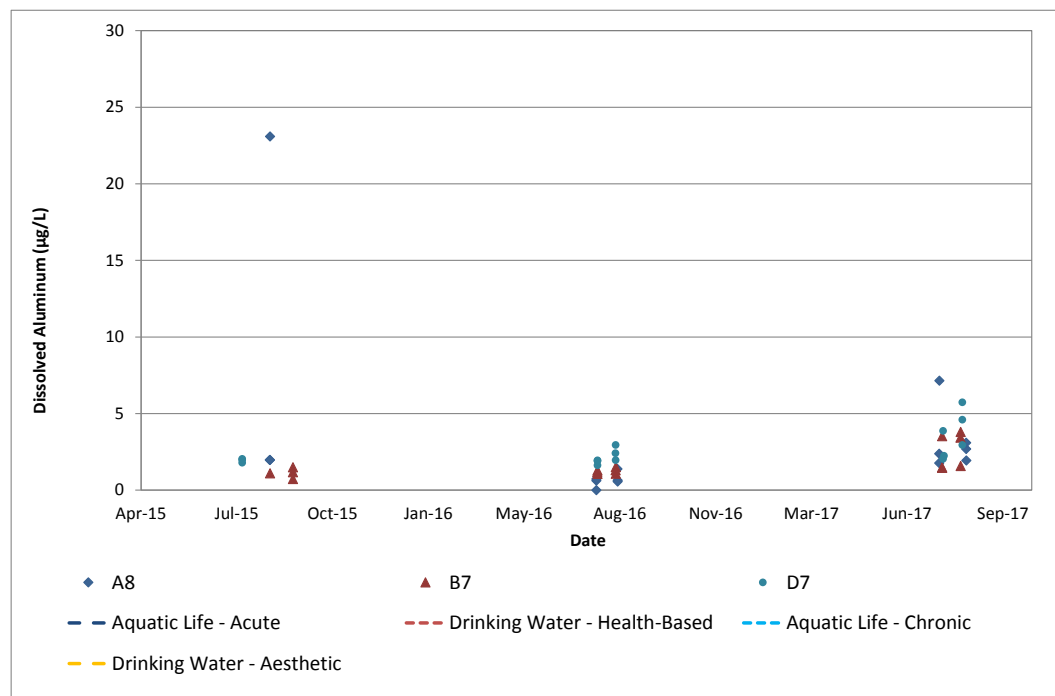
Figure 3E.2-5u: Concentrations of Total Uranium at Peninsula Lakes between 2015 and 2017



µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

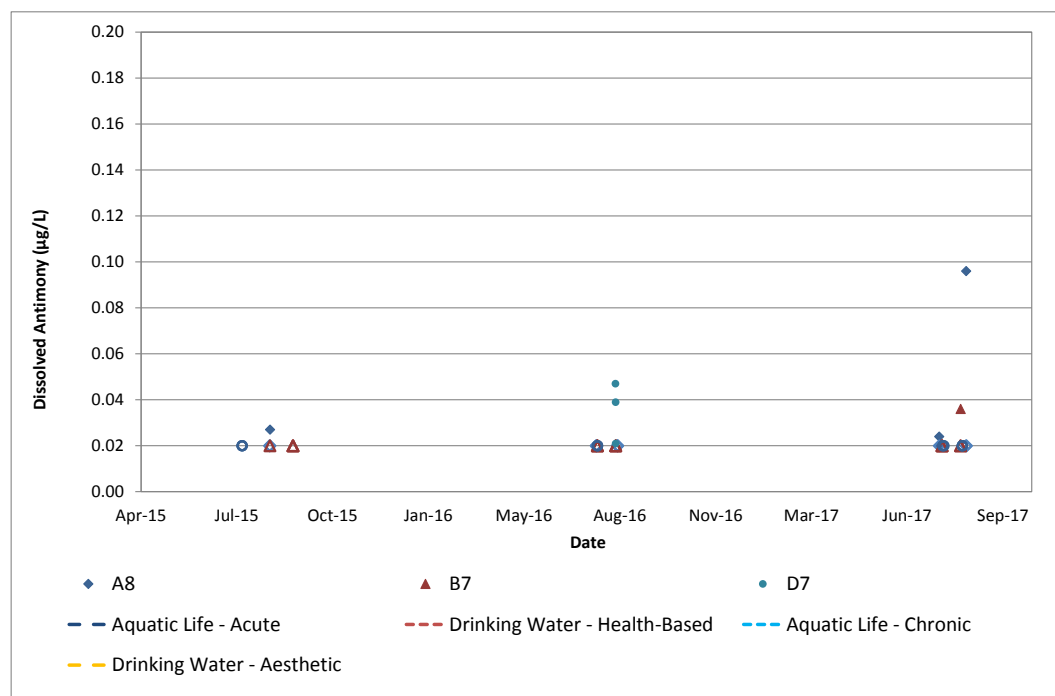
Figure 3E.2-5v: Concentrations of Total Zinc at Peninsula Lakes between 2015 and 2017

3E2.6 Dissolved Metals



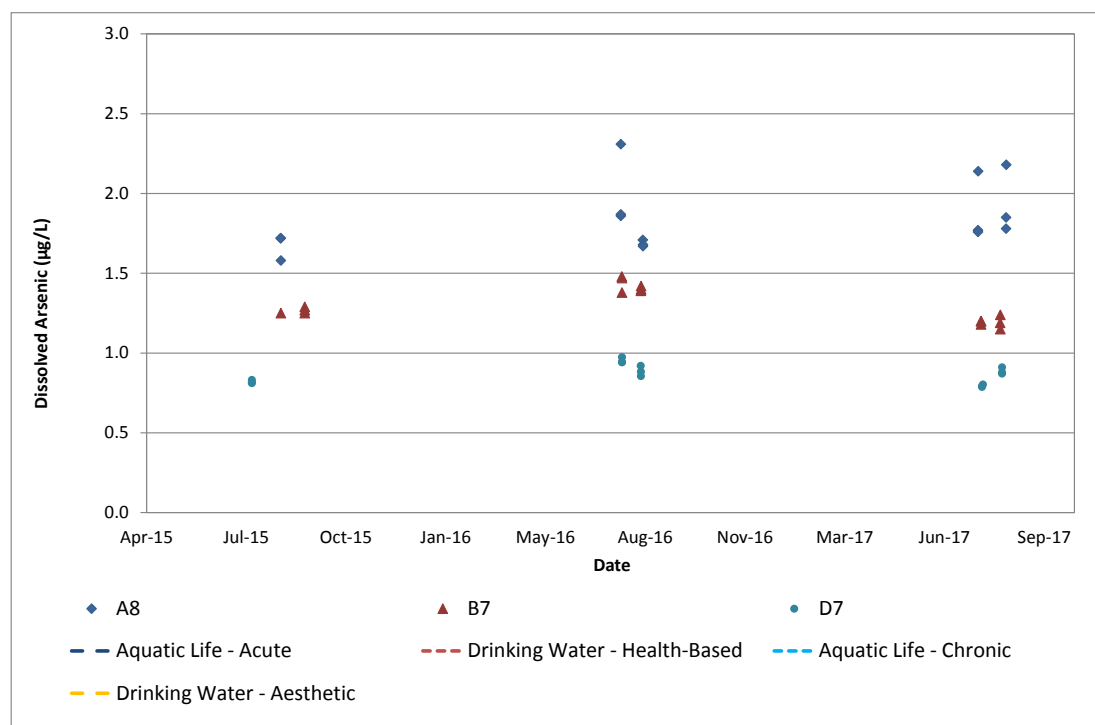
µg/L = micrograms per litre.

Figure 3E.2-6a: Concentrations of Dissolved Aluminum at Peninsula Lakes between 2015 and 2017



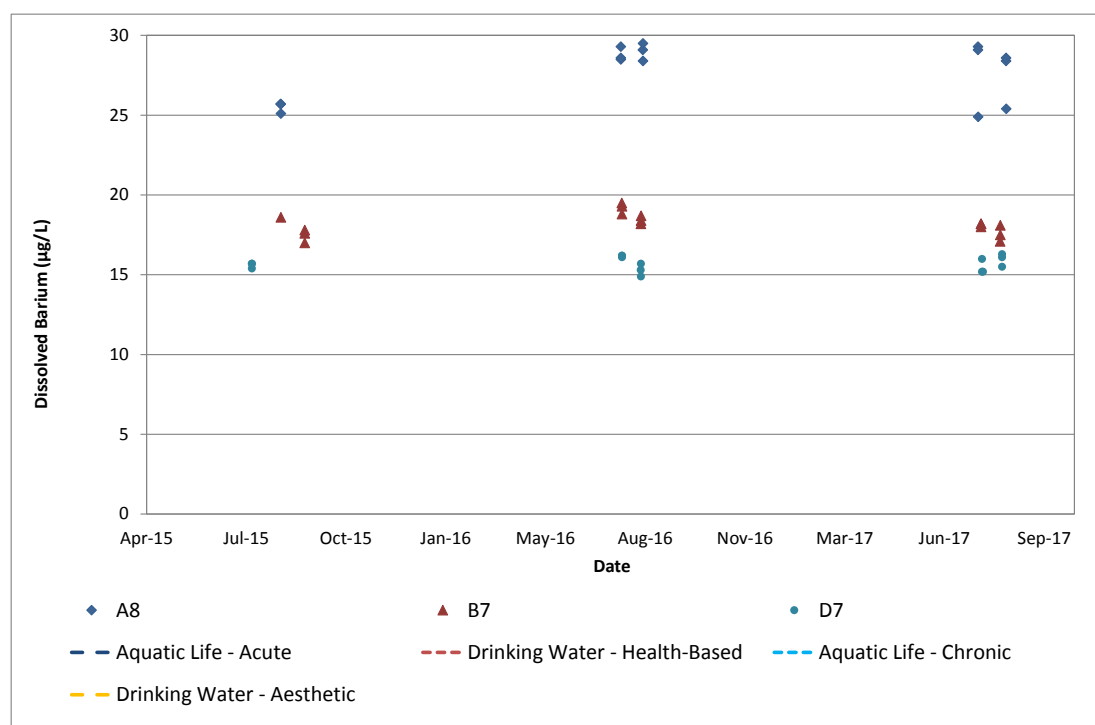
µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-6b: Concentrations of Dissolved Antimony at Peninsula Lakes between 2015 and 2017



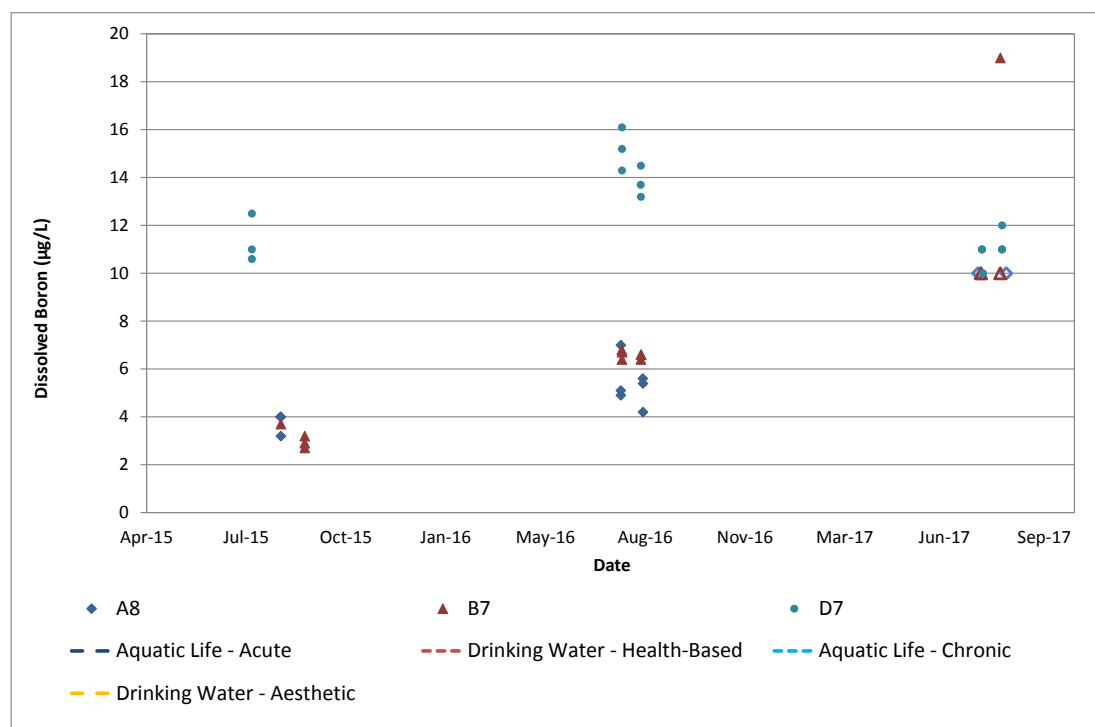
µg/L = micrograms per litre.

Figure 3E.2-6c: Concentrations of Dissolved Arsenic at Peninsula Lakes between 2015 and 2017



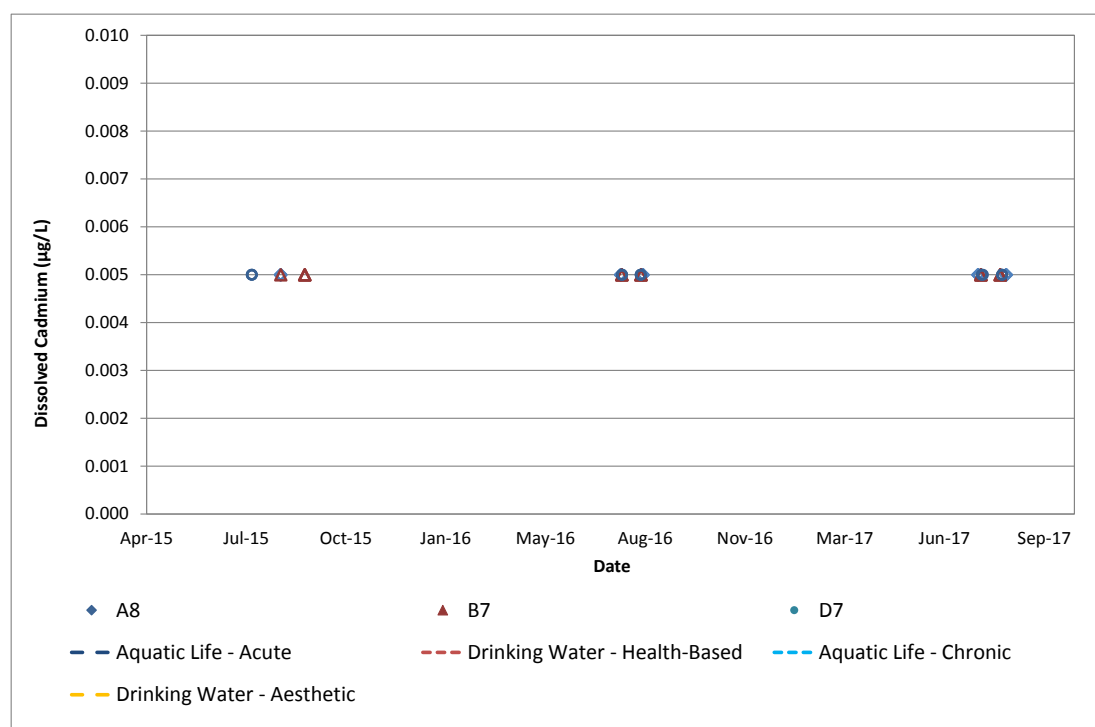
µg/L = micrograms per litre.

Figure 3E.2-6d: Concentrations of Dissolved Barium at Peninsula Lakes between 2015 and 2017



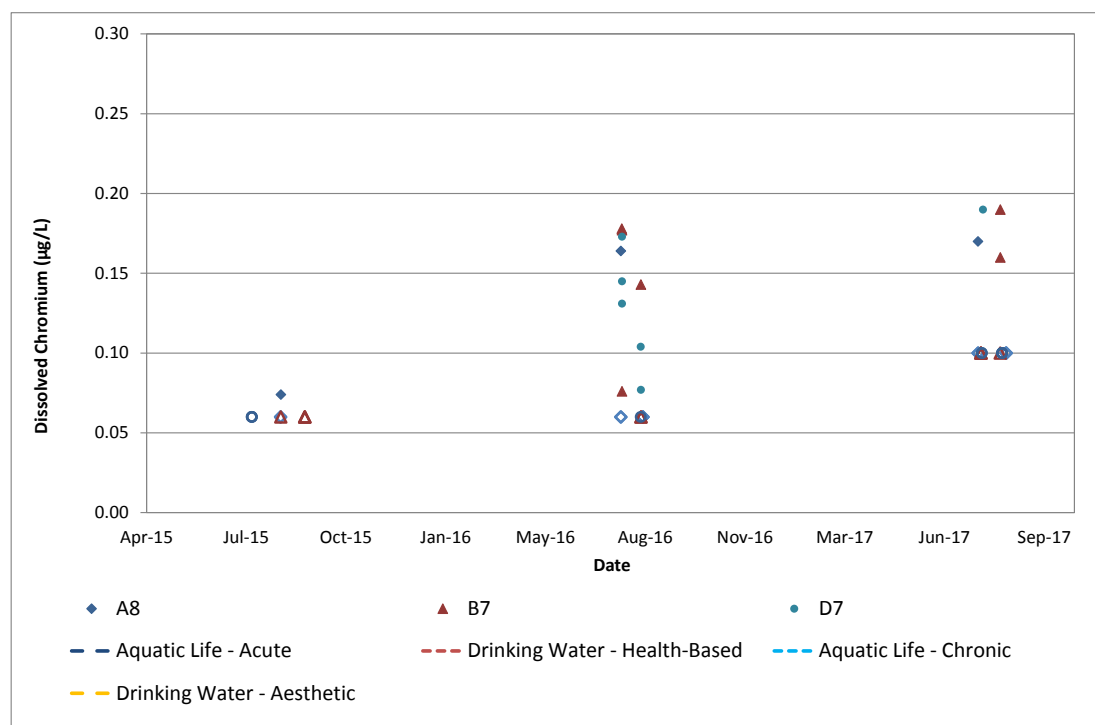
µg/L = micrograms per litre.

Figure 3E.2-6e: Concentrations of Dissolved Boron at Peninsula Lakes between 2015 and 2017



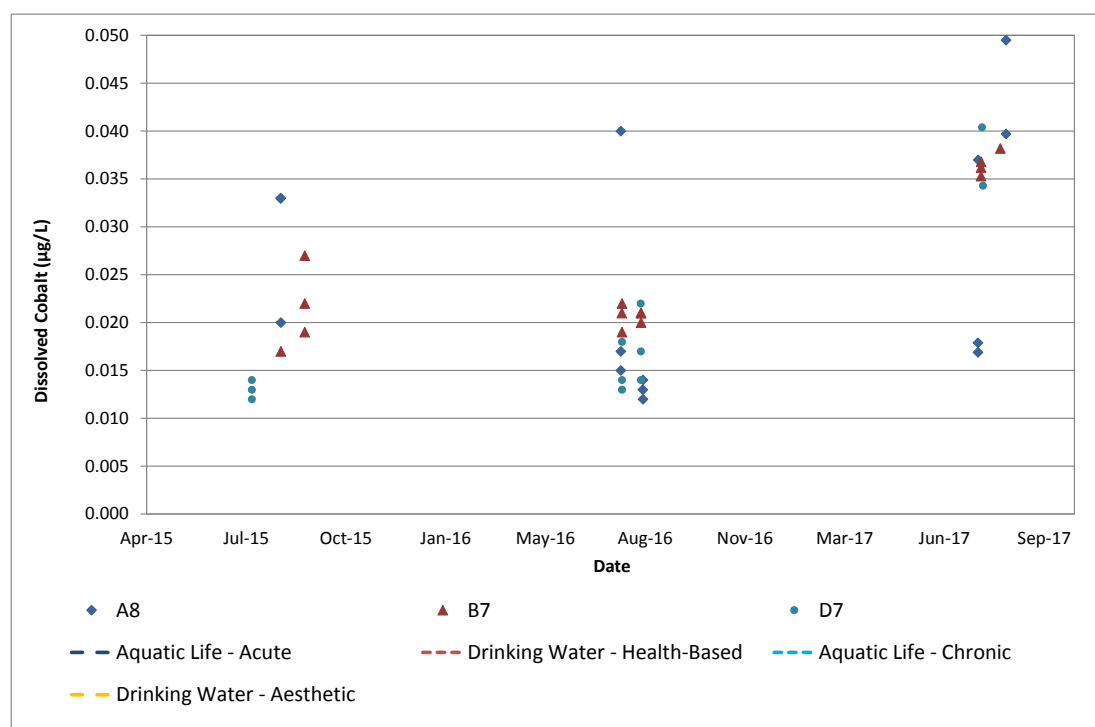
µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-6f: Concentrations of Dissolved Cadmium at Peninsula Lakes between 2015 and 2017



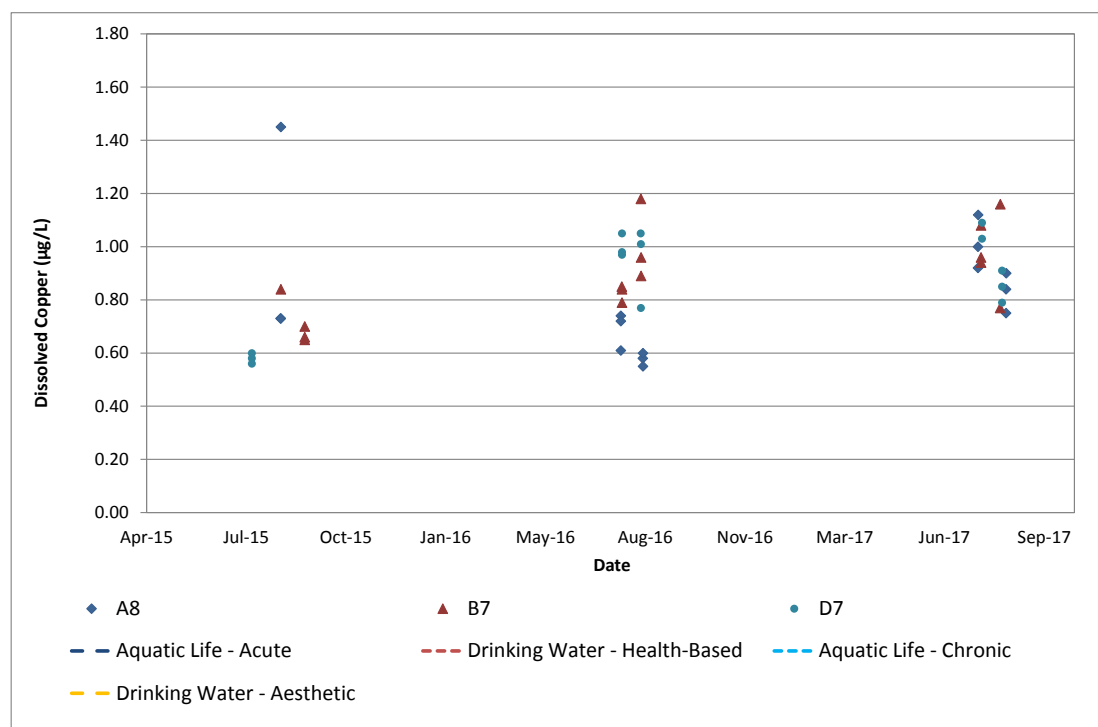
$\mu\text{g/L}$ = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-6g: Concentrations of Dissolved Chromium at Peninsula Lakes between 2015 and 2017



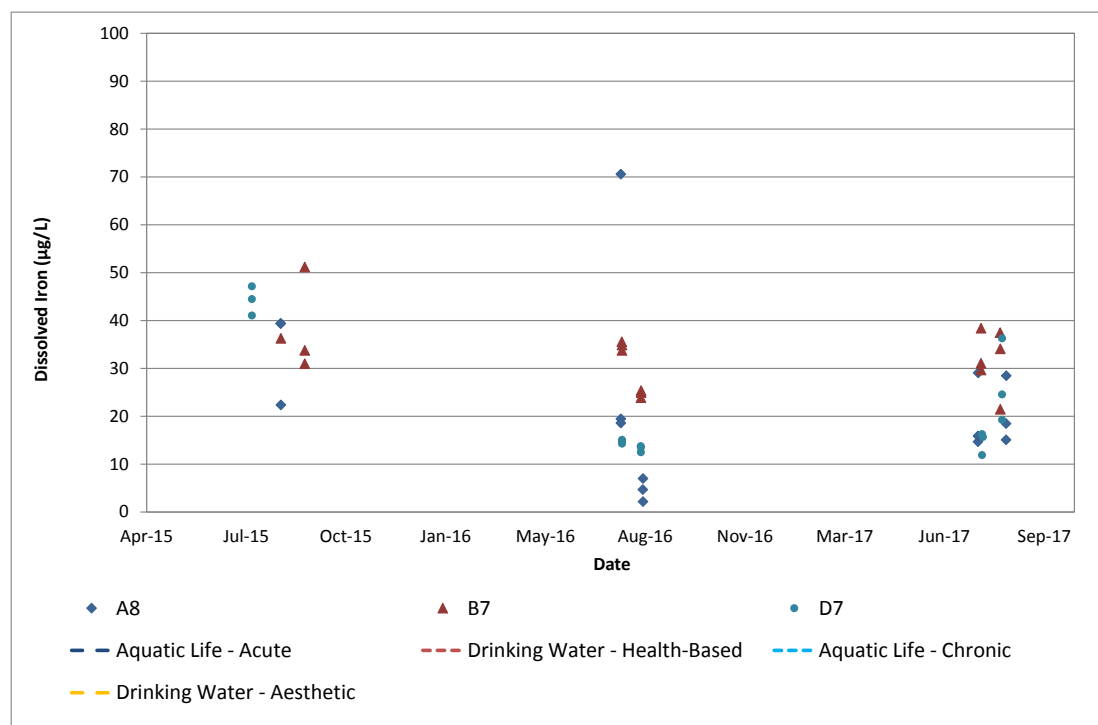
$\mu\text{g/L}$ = micrograms per litre.

Figure 3E.2-6h: Concentrations of Dissolved Cobalt at Peninsula Lakes between 2015 and 2017



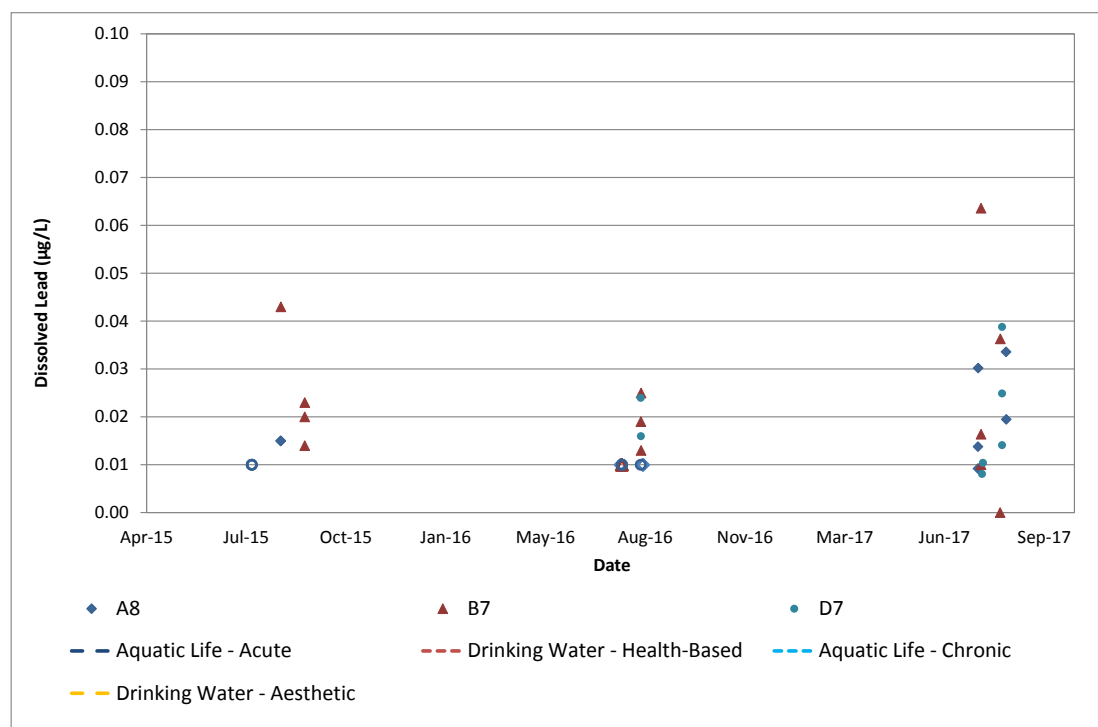
µg/L = micrograms per litre.

Figure 3E.2-6i: Concentrations of Dissolved Copper at Peninsula Lakes between 2015 and 2017



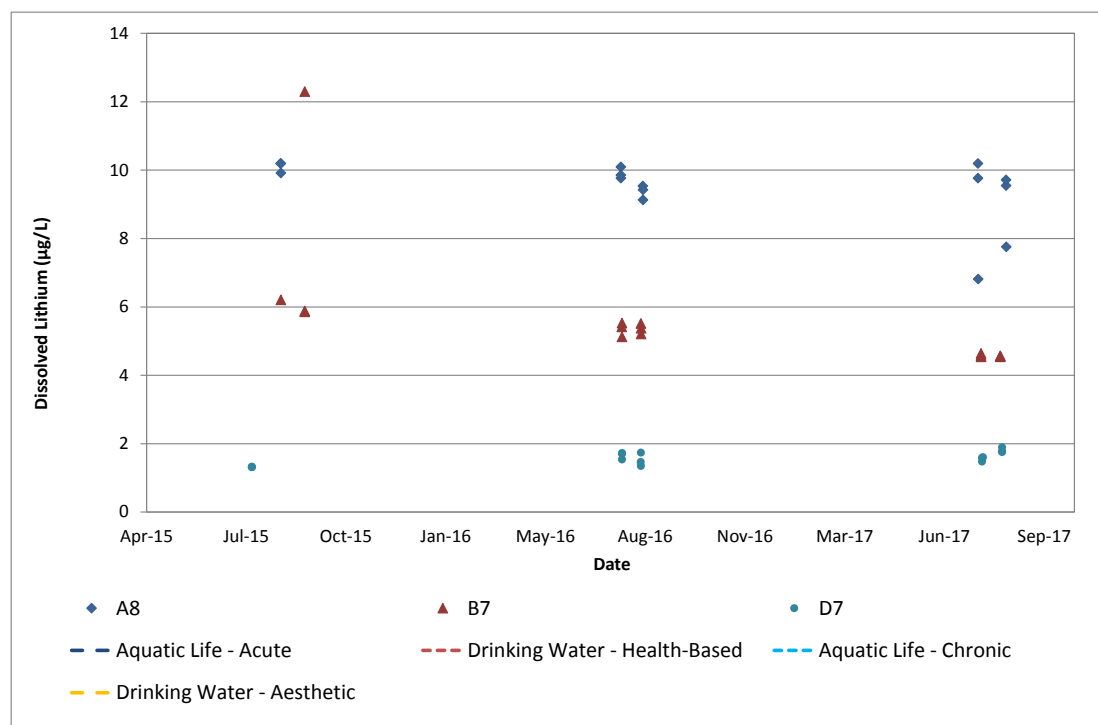
µg/L = micrograms per litre.

Figure 3E.2-6j: Concentrations of Dissolved Iron at Peninsula Lakes between 2015 and 2017



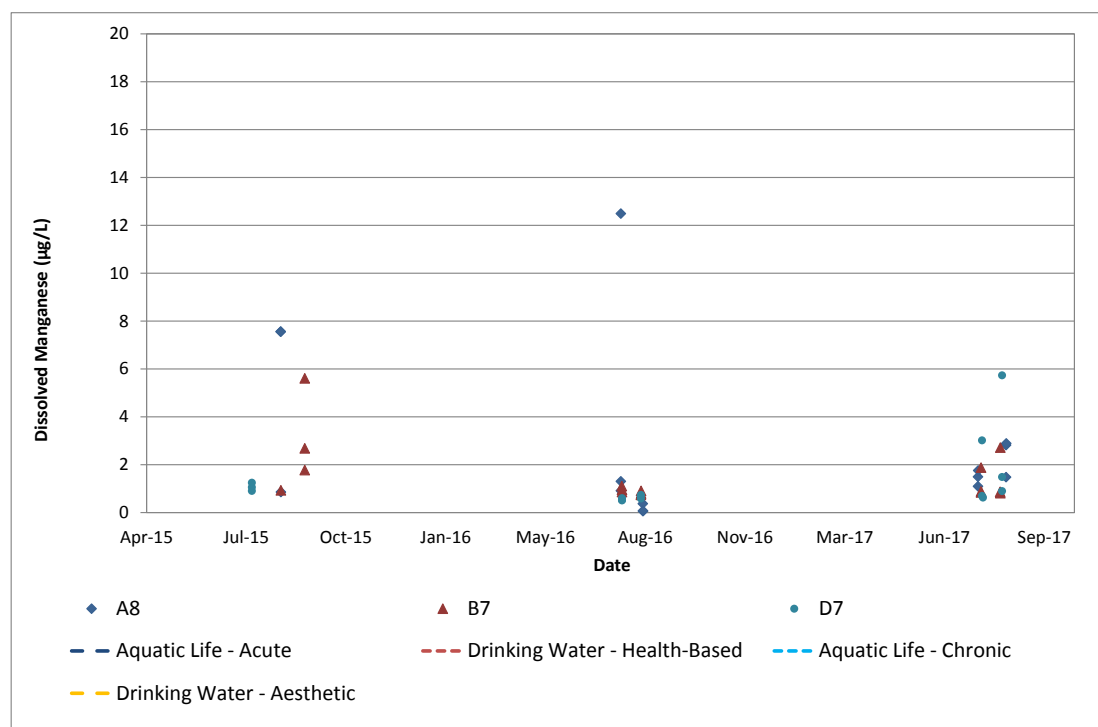
$\mu\text{g/L}$ = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-6k: Concentrations of Dissolved Lead at Peninsula Lakes between 2015 and 2017



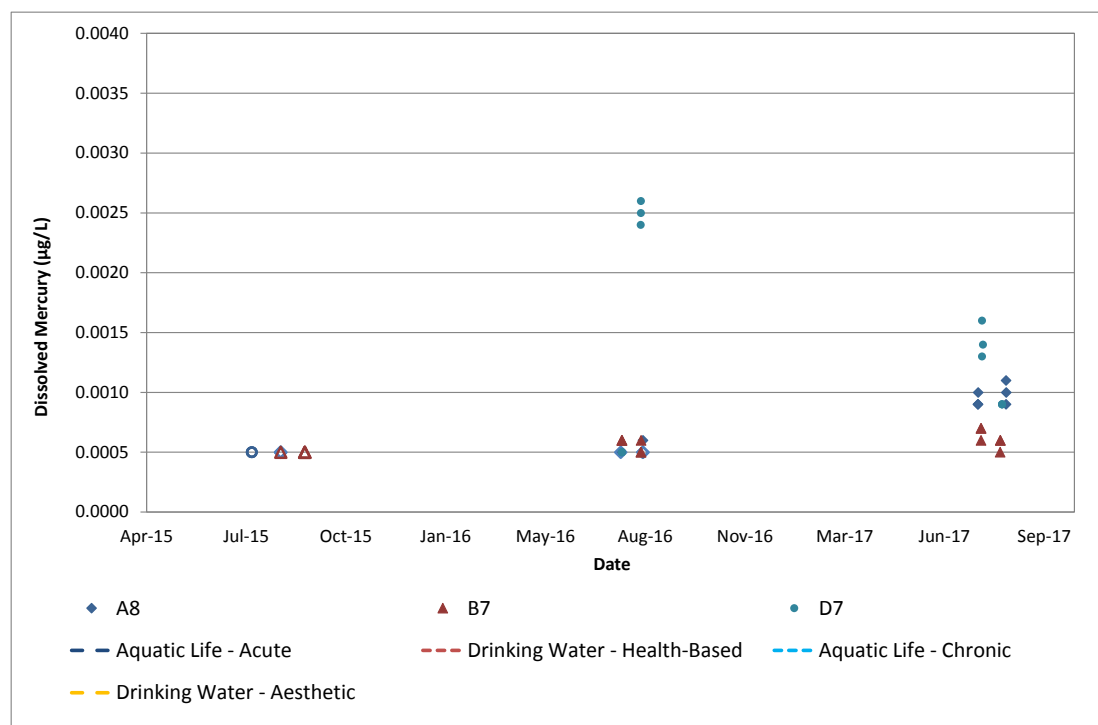
$\mu\text{g/L}$ = micrograms per litre.

Figure 3E.2-6l: Concentrations of Dissolved Lithium at Peninsula Lakes between 2015 and 2017



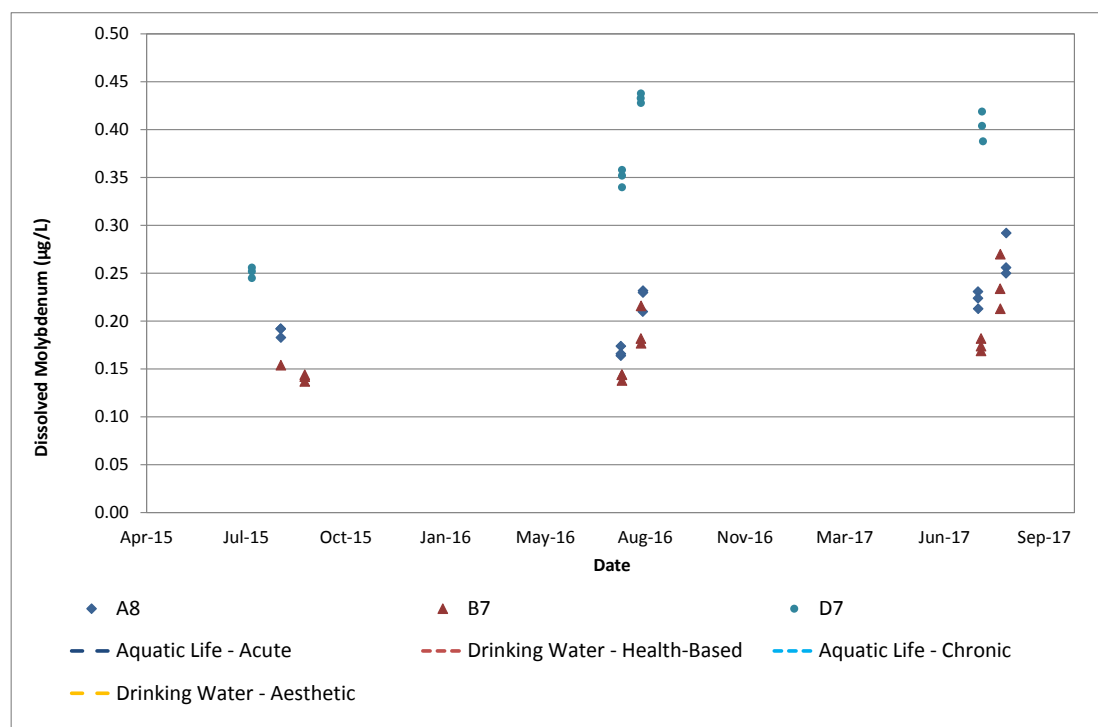
$\mu\text{g/L}$ = micrograms per litre.

Figure 3E.2-6m: Concentrations of Dissolved Manganese at Peninsula Lakes between 2015 and 2017



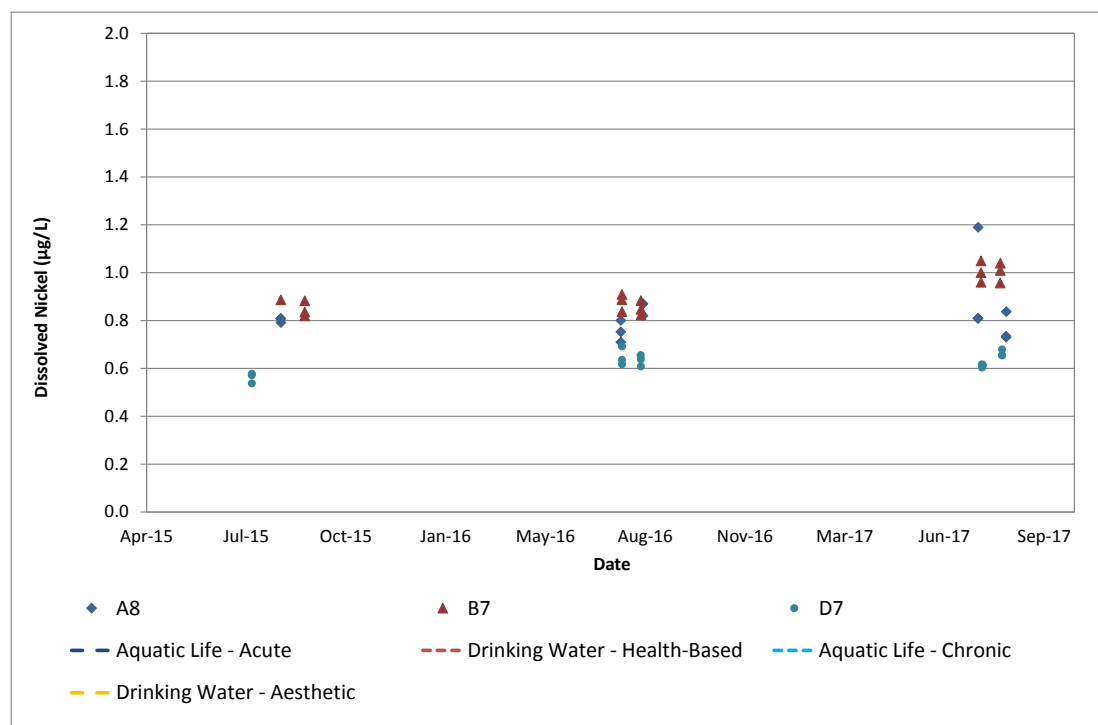
$\mu\text{g/L}$ = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-6n: Concentrations of Dissolved Mercury at Peninsula Lakes between 2015 and 2017



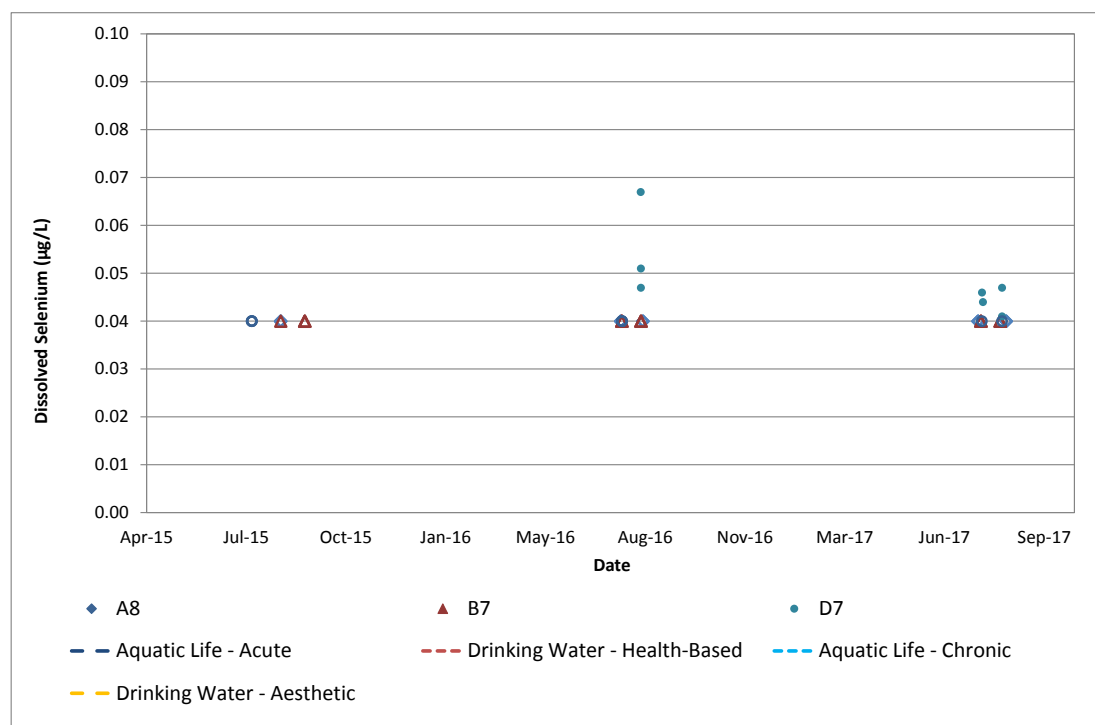
$\mu\text{g/L}$ = micrograms per litre.

Figure 3E.2-6o: Concentrations of Dissolved Molybdenum at Peninsula Lakes between 2015 and 2017



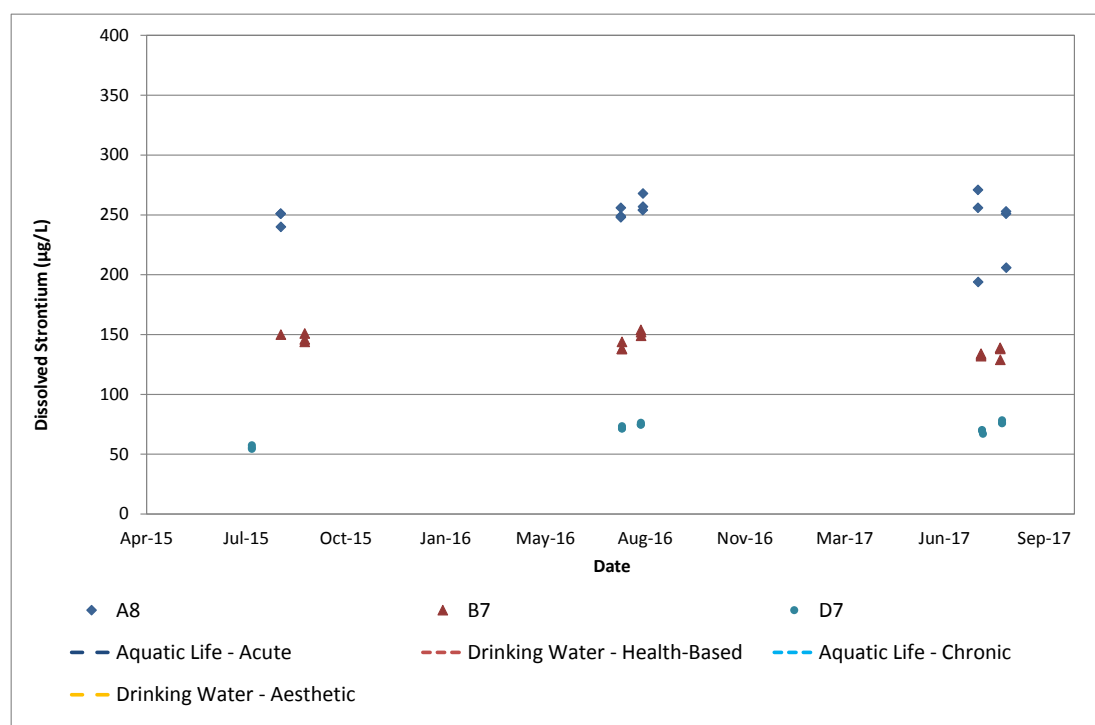
$\mu\text{g/L}$ = micrograms per litre.

Figure 3E.2-6p: Concentrations of Dissolved Nickel at Peninsula Lakes between 2015 and 2017



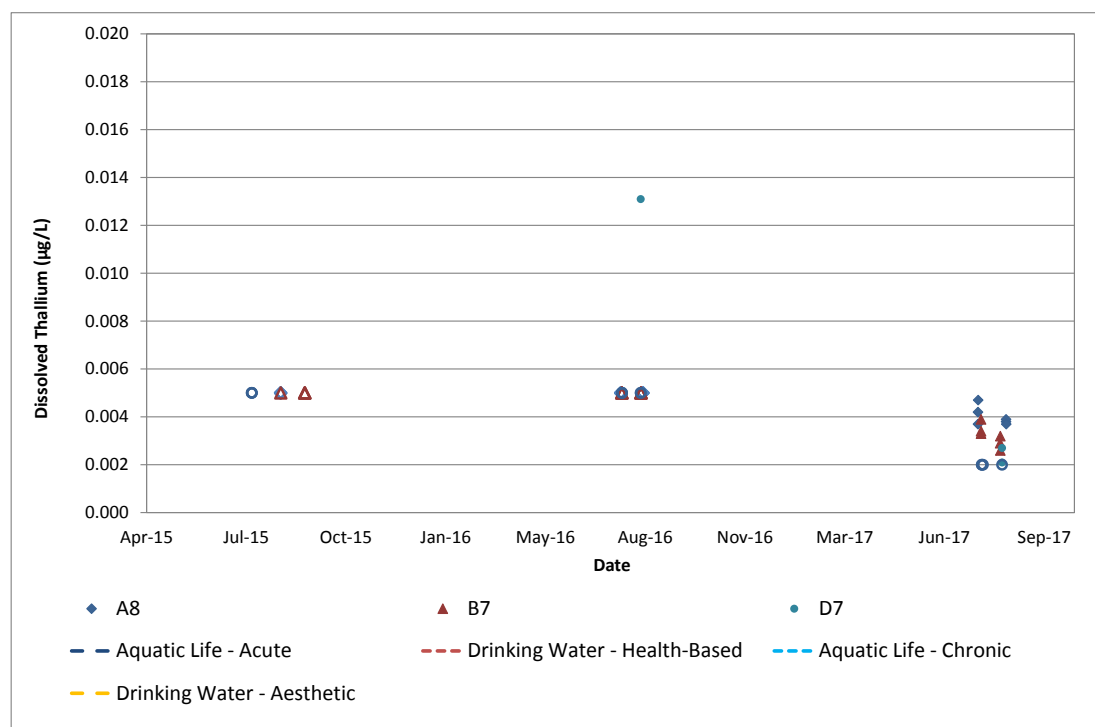
$\mu\text{g/L}$ = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-6q: Concentrations of Dissolved Selenium at Peninsula Lakes between 2015 and 2017



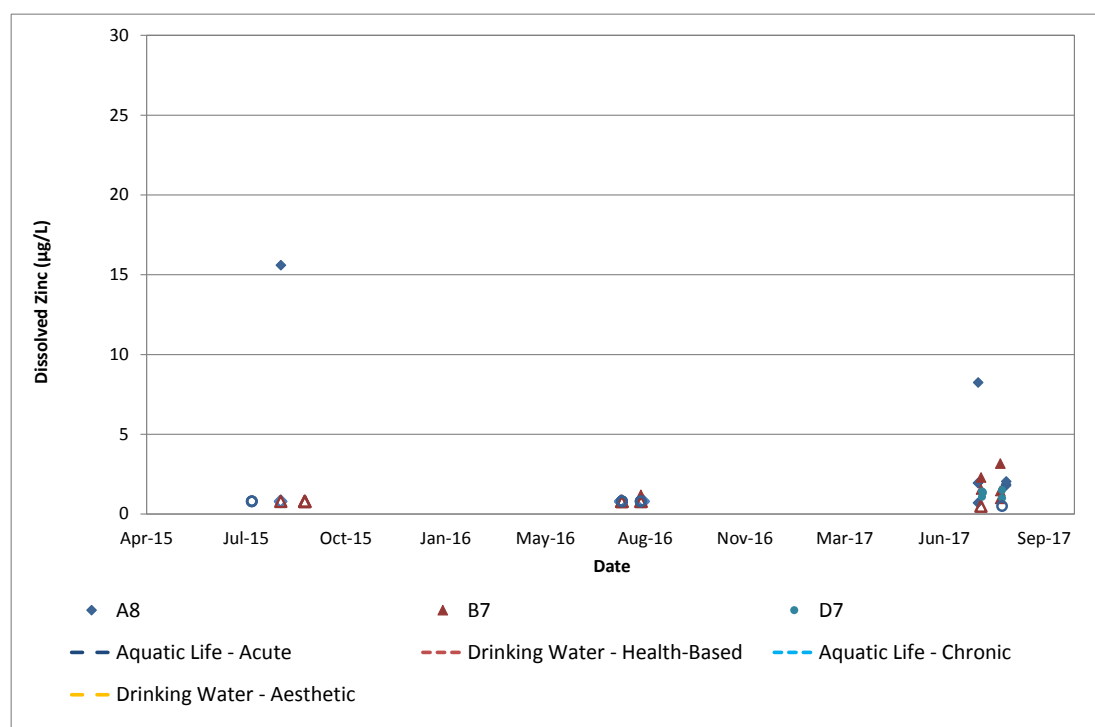
$\mu\text{g/L}$ = micrograms per litre.

Figure 3E.2-6r: Concentrations of Dissolved Strontium at Peninsula Lakes between 2015 and 2017



µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-6s: Concentrations of Dissolved Thallium at Peninsula Lakes between 2015 and 2017



µg/L = micrograms per litre. Open symbols represent results that are less than the detection limit.

Figure 3E.2-6t: Concentrations of Dissolved Zinc at Peninsula Lakes between 2015 and 2017

Table 3F.1-1: Statitstical Tests between Near-field Area (MEL-01) and Mid-field Area (MEL-02) during Ice-Covered Conditions on Selected Parameters

Parameter	<i>p</i> -value	Test
Field Measured		
Dissolved oxygen	0.035	ANOVA
pH	0.334	ANOVA
Specific conductivity	0.271	ANOVA
Conventional Parameters		
Specific conductivity	<0.001	ANOVA
Hardness, as CaCO ₃	0.010	ANOVA
Total alkalinity, as CaCO ₃	0.937	ANOVA
Total dissolved solids	0.022	ANOVA
Major Ions		
Chloride	<0.001	Mann-Whitney U test
Fluoride	0.447	Mann-Whitney U test
Calcium	0.027	ANOVA
Magnesium	<0.001	ANOVA
Potassium	0.057	ANOVA
Sodium	<0.001	ANOVA
Sulphate	<0.001	ANOVA
Reactive silica, as SiO ₂	<0.001	ANOVA
Nutrients		
Nitrate	0.006	ANOVA
Total ammonia	<0.001	ANOVA
Total Kjeldahl nitrogen	0.052	ANOVA
Total phosphorus	0.051	ANOVA
Dissolved phosphorus	0.770	ANOVA
Total Metals		
Aluminum	0.101	ANOVA
Antimony	-	
Arsenic	<0.001	ANOVA
Barium	0.464	ANOVA
Beryllium	-	
Bismuth	-	
Boron	0.306	ANOVA
Cadmium	-	
Chromium	-	
Cobalt	<0.001	ANOVA
Copper	<0.001	ANOVA
Iron	<0.001	ANOVA
Lead	-	
Lithium	0.855	ANOVA
Manganese	<0.001	ANOVA
Mercury	-	
Molybdenum	0.015	ANOVA
Nickel	<0.001	ANOVA
Selenium	-	
Silver	-	
Strontium	0.093	ANOVA
Thallium	-	
Tin	-	
Titanium	-	
Uranium	-	
Vanadium	-	
Zinc	-	

Grey highlighted values were statistically different (p <0.05)

"-" statistical test not completed as more than 50% of results were non-detect

Table 3F.1-2: Statitstical Tests between Near-field Area (MEL-01) and Mid-field Area (MEL-02) during Open-Water Conditions on Selected Parameters

Parameter	<i>p</i> -value	Test
Field Measured		
Dissolved oxygen	0.330	ANOVA
pH	0.744	ANOVA
Specific conductivity	0.001	ANOVA
Conventional Parameters		
Specific conductivity	<0.001	ANOVA
Hardness, as CaCO ₃	0.001	ANOVA
Total alkalinity, as CaCO ₃	0.869	ANOVA
Total dissolved solids	0.449	ANOVA
Major Ions		
Chloride	<0.001	Mann-Whitney U test
Fluoride	0.223	Mann-Whitney U test
Calcium	0.005	ANOVA
Magnesium	<0.001	ANOVA
Potassium	0.230	ANOVA
Sodium	<0.001	ANOVA
Sulphate	<0.001	ANOVA
Reactive silica, as SiO ₂	<0.001	ANOVA
Nutrients		
Nitrate	0.402	ANOVA
Total ammonia	0.456	ANOVA
Total Kjeldahl nitrogen	0.394	ANOVA
Total phosphorus	0.005	ANOVA
Dissolved phosphorus	0.304	ANOVA
Total Metals		
Aluminum	0.200	ANOVA
Antimony	-	
Arsenic	<0.001	ANOVA
Barium	0.044	ANOVA
Beryllium	-	
Bismuth	-	
Boron	0.751	ANOVA
Cadmium	-	
Chromium	-	
Cobalt	<0.001	ANOVA
Copper	0.288	ANOVA
Iron	<0.001	ANOVA
Lead	-	
Lithium	0.073	ANOVA
Manganese	<0.001	ANOVA
Mercury	0.263	ANOVA
Molybdenum	0.453	ANOVA
Nickel	<0.001	ANOVA
Selenium	-	
Silver	-	
Strontium	0.115	ANOVA
Thallium	-	
Tin	-	
Titanium	-	
Uranium	0.119	ANOVA
Vanadium	-	
Zinc	-	

Grey highlighted values were statistically different (p <0.05)

"-" statistical test not completed as more than 50% of results were non-detect

Table 3F.1-3: Statitstical Tests between Near-field Area (MEL-01) and Reference Areas on Selected Parameters for Open-Water Conditions

Parameter	<i>p</i> -value	Test
Field Measured		
Dissolved oxygen	0.737	ANOVA
pH	0.009	ANOVA
Specific conductivity	<0.001	ANOVA
Conventional Parameters		
Specific conductivity	<0.001	ANOVA
Hardness, as CaCO ₃	<0.001	ANOVA
Total alkalinity, as CaCO ₃	0.229	ANOVA
Total dissolved solids	<0.001	ANOVA
Major Ions		
Chloride	<0.001	Mann-Whitney U test
Fluoride	0.025	Mann-Whitney U test
Calcium	<0.001	ANOVA
Magnesium	<0.001	ANOVA
Potassium	0.006	ANOVA
Sodium	<0.001	ANOVA
Sulphate	<0.001	ANOVA
Reactive silica, as SiO ₂	<0.001	ANOVA
Nutrients		
Nitrate	0.087	ANOVA
Total ammonia	0.357	ANOVA
Total Kjeldahl nitrogen	<0.001	ANOVA
Total phosphorus	<0.001	ANOVA
Total Metals		
Aluminum	0.168	Mann-Whitney U test
Antimony	0.699	Mann-Whitney U test
Arsenic	<0.001	Mann-Whitney U test
Barium	0.018	Mann-Whitney U test
Beryllium	1.000	Mann-Whitney U test
Bismuth	0.144	Mann-Whitney U test
Boron	0.432	Mann-Whitney U test
Cadmium	0.284	Mann-Whitney U test
Chromium	0.186	Mann-Whitney U test
Cobalt	<0.001	Mann-Whitney U test
Copper	0.001	Mann-Whitney U test
Iron	<0.001	Mann-Whitney U test
Lead	0.282	Mann-Whitney U test
Lithium	<0.001	Mann-Whitney U test
Manganese	<0.001	Mann-Whitney U test
Mercury	0.023	Mann-Whitney U test
Molybdenum	0.690	Mann-Whitney U test
Nickel	<0.001	Mann-Whitney U test
Selenium	0.524	Mann-Whitney U test
Silver	1.000	Mann-Whitney U test
Strontium	<0.001	Mann-Whitney U test
Thallium	0.111	Mann-Whitney U test
Tin	0.023	Mann-Whitney U test
Titanium	0.481	Mann-Whitney U test
Uranium	0.008	Mann-Whitney U test
Vanadium	1.000	Mann-Whitney U test
Zinc	0.844	Mann-Whitney U test

statistically different values are highlighted (p<0.05)

Table 3F1-4: Statitstical Tests between Mid-field Area (MEL-02) and Reference Areas on Selected Parameters

Parameter	<i>p</i> -value	Test
Field Measured		
Dissolved oxygen	0.172	Mann-Whitney U test
pH	0.035	ANOVA
Specific conductivity	0.045	ANOVA
Conventional Parameters		
Specific conductivity	<0.001	ANOVA
Hardness, as CaCO ₃	0.774	Mann-Whitney U test
Total alkalinity, as CaCO ₃	0.231	Mann-Whitney U test
Total dissolved solids	0.067	Mann-Whitney U test
Major Ions		
Chloride	<0.001	Mann-Whitney U test
Fluoride	0.118	Mann-Whitney U test
Calcium	0.657	ANOVA
Magnesium	0.002	ANOVA
Potassium	0.082	ANOVA
Sodium	<0.001	ANOVA
Sulphate	<0.001	ANOVA
Reactive silica, as SiO ₂	<0.001	ANOVA
Nutrients		
Nitrate	0.559	Mann-Whitney U test
Total ammonia	0.834	Mann-Whitney U test
Total Kjeldahl nitrogen	0.006	ANOVA
Total phosphorus	0.163	Mann-Whitney U test
Dissolved phosphorus	0.015	Mann-Whitney U test
Total Metals		
Aluminum	0.168	Mann-Whitney U test
Antimony	0.699	Mann-Whitney U test
Arsenic	<0.001	Mann-Whitney U test
Barium	0.018	Mann-Whitney U test
Beryllium	1.000	Mann-Whitney U test
Bismuth	0.144	Mann-Whitney U test
Boron	0.432	Mann-Whitney U test
Cadmium	0.284	Mann-Whitney U test
Chromium	0.186	Mann-Whitney U test
Cobalt	<0.001	Mann-Whitney U test
Copper	0.001	Mann-Whitney U test
Iron	<0.001	Mann-Whitney U test
Lead	0.282	Mann-Whitney U test
Lithium	<0.001	Mann-Whitney U test
Manganese	<0.001	Mann-Whitney U test
Mercury	0.023	Mann-Whitney U test
Molybdenum	0.690	Mann-Whitney U test
Nickel	<0.001	Mann-Whitney U test
Selenium	0.524	Mann-Whitney U test
Silver	1.000	Mann-Whitney U test
Strontium	<0.001	Mann-Whitney U test
Thallium	0.111	Mann-Whitney U test
Tin	0.023	Mann-Whitney U test
Titanium	0.481	Mann-Whitney U test
Uranium	0.008	Mann-Whitney U test
Vanadium	1.000	Mann-Whitney U test
Zinc	0.844	Mann-Whitney U test

statistically different values are highlighted (p<0.05)

APPENDIX 5A – 5B

Benthic

Table 5A-1: Summary of Baseline Benthic Invertebrate Community Habitat Characteristics in Meliadine Lake Exposure and Reference Areas, August 2015 and 2016

Area	Year	Station	Station Depth (m)	Field Water Quality		Water Quality		Sediment Composition			
				Conductivity (µS/cm)	Temperature (°C)	Total Phosphorus (mg/L)	Total Nitrogen (mg/L)	Total Organic Carbon (%)	Sand (%)	Silt (%)	Clay (%)
Near-field Area	2015	MEL-01-01	9.6	67	12.6	0.005	0.184	4.2	35.8	58.8	5.5
		MEL-01-02	8.2	68	12.6	0.010	0.242	5.7	16.9	74.4	8.7
		MEL-01-03	8.3	67	12.5	0.004	0.212	4.8	31.9	63.5	4.6
		MEL-01-04	8.9	68	12.6	0.019	0.276	6.1	10.4	80.6	9.0
		MEL-01-05	7.9	68	12.6	-	-	0.4	88.6	10.8	0.6
		Min	7.9	67	12.5	0.004	0.184	0.4	10.4	10.8	0.6
		Max	9.6	68	12.6	0.019	0.276	6.1	88.6	80.6	9.0
		Median	8.3	68	12.6	0.008	0.227	4.8	31.9	63.5	5.5
		Mean	8.6	67.6	12.6	0.010	0.229	4.2	36.7	57.6	5.7
		SE	0.3	0.2	0.02	0.003	0.02	1.0	13.8	12.3	1.5
		SD	0.7	0.5	0.04	0.01	0.04	2.3	30.8	27.6	3.5
	2016	MEL-01-01	8.6	72	12.5	0.006	0.146	3.7	29.6	55.6	14.8
		MEL-01-02	7.7	73	12.5	0.007	0.094	5.4	12.0	75.4	12.6
		MEL-01-03	8.8	73	12.5	0.012	0.102	4.6	22.9	66.8	10.3
		MEL-01-04	8.8	73	12.5	0.036	0.097	6.8	3.4	83.4	13.2
		MEL-01-05	8.2	73	12.5	0.005	0.146	2.1	22.3	68.4	9.3
		Min	7.7	72	12.5	0.005	0.094	2.1	3.4	55.6	9.3
		Max	8.8	73	12.5	0.036	0.146	6.8	29.6	83.4	14.8
		Median	8.6	73	12.5	0.007	0.102	4.6	22.3	68.4	12.6
		Mean	8.4	72.8	12.5	0.013	0.117	4.5	18.0	69.9	12.0
		SE	0.2	0.2	-	0.01	0.01	0.8	4.6	4.6	1.0
		SD	0.5	0.4	-	0.01	0.03	1.8	10.3	10.4	2.2
Mid-field Area	2015	MEL-02-01	9.0	66	12.8	0.005	0.191	5.2	37.5	56.5	6.1
		MEL-02-02	9.6	66	12.7	0.004	0.209	11.0	24.7	60.4	14.9
		MEL-02-03	9.2	66	12.9	0.008	0.205	7.2	42.5	49.3	8.2
		MEL-02-04	8.4	-	-	-	-	0.5	92.4	7.2	0.4
		MEL-02-05	9.0	65	12.9	-	-	0.1	79.7	17.9	2.4
		Min	8.4	65	12.7	0.004	0.191	0.1	24.7	7.2	0.4
		Max	9.6	66	12.9	0.008	0.209	11.0	92.4	60.4	14.9
		Median	9.0	66	12.9	0.005	0.205	5.2	42.5	49.3	6.1
		Mean	9.0	65.75	12.8	0.005	0.202	4.8	55.4	38.3	6.4
		SE	0.2	0.3	0.05	0.001	0.005	2.1	13.0	10.8	2.5
		SD	0.4	0.5	0.1	0.002	0.009	4.6	29.1	24.1	5.6
	2016	MEL-02-01	7.9	69	12.6	0.004	<.050	0.4	64.2	32.2	3.6
		MEL-02-02	9.0	68	12.6	0.004	0.101	7.6	51.9	35.9	12.1
		MEL-02-03	9.0	69	12.6	0.007	0.073	4.2	61.0	28.1	10.9
		MEL-02-04	9.3	69	12.5	0.005	0.186	5.2	43.0	42.0	15.0
		MEL-02-05	10.1	69	12.6	0.006	0.174	5.8	49.9	35.2	14.9
		Min	7.9	68	12.5	0.004	0.073	0.4	43.0	28.1	3.6
		Max	10.1	69	12.6	0.007	0.186	7.6	64.2	42.0	15.0
		Median	9.0	69	12.6	0.005	0.138	5.2	51.9	35.2	12.1
		Arithmetic Mean	9.1	68.8	12.6	0.005	0.134	4.6	54.0	34.7	11.3
		SE	0.4	0.2	0.02	0.001	0.03	1.2	3.8	2.3	2.1
		SD	0.8	0.4	0.04	0.001	0.06	2.7	8.6	5.1	4.7

Area	Year	Station	Station Depth (m)	Field Water Quality		Water Quality		Sediment Composition			
				Conductivity (µS/cm)	Temperature (°C)	Total Phosphorus (mg/L)	Total Nitrogen (mg/L)	Total Organic Carbon (%)	Sand (%)	Silt (%)	Clay (%)
Reference Area 1	2016	MEL-03-01	7.2	66	12.6	0.004	0.329	1.3	85.2	14.1	0.8
		MEL-03-02	9.5	66	12.6	0.005	0.145	1.0	81.2	18.5	0.3
		MEL-03-03	9.8	66	12.5	0.004	0.064	6.5	42.6	48.7	8.7
		MEL-03-04	7.8	65	12.6	0.005	0.102	5.6	41.0	47.5	11.5
		MEL-03-05	7.6	65	12.6	0.004	<.05	4.3	61.7	32.7	5.7
		Min	7.2	65	12.5	0.004	0.064	1.0	41.0	14.1	0.3
		Max	9.8	66	12.6	0.005	0.329	6.5	85.2	48.7	11.5
		Median	7.8	66	12.6	0.004	0.124	4.3	61.7	32.7	5.7
		Mean	8.4	65.6	12.6	0.004	0.160	3.7	62.3	32.3	5.4
		SE	0.5	0.2	0.02	0.0002	0.06	1.1	9.3	7.1	2.2
		SD	1.2	0.5	0.04	0.0005	0.12	2.5	20.8	16.0	4.9
Reference Area 2	2016	MEL-04-01	8.2	67	13.5	0.008	0.054	3.0	65.5	30.1	4.4
		MEL-04-02	10.5	66	13.0	0.004	<.05	0.8	40.9	49.7	9.4
		MEL-04-03	9.7	66	13.7	0.005	0.080	3.4	68.3	24.7	7.0
		MEL-04-04	9.1	66	13.6	0.005	0.109	4.9	49.7	40.4	9.9
		MEL-04-05	7.4	66	13.8	0.004	0.161	0.5	92.9	6.3	1.0
		Min	7.4	66	13.0	0.004	0.054	0.5	40.9	6.3	1.0
		Max	10.5	67	13.8	0.008	0.161	4.9	92.9	49.7	9.9
		Median	9.1	66	13.6	0.005	0.095	3.0	65.5	30.1	7.0
		Mean	9.0	66.2	13.5	0.005	0.101	2.5	63.5	30.2	6.3
		SE	0.5	0.2	0.1	0.001	0.02	0.8	8.9	7.4	1.7
		SD	1.2	0.4	0.3	0.002	0.05	1.9	20.0	16.5	3.7
Reference Area 3	2016	MEL-05-01	9.2	68	13.3	0.005	<.05	0.9	93.0	6.9	0.1
		MEL-05-02	9.2	68	13.4	0.006	<.05	4.8	49.0	42.7	8.3
		MEL-05-03	8.3	68	13.5	0.005	<.05	7.4	46.6	44.4	9.0
		MEL-05-04	9.9	68	13.5	0.005	0.095	4.0	74.2	21.6	4.2
		MEL-05-05	8.4	68	13.6	0.004	0.056	7.9	50.0	39.7	10.3
		Min	8.3	68	13.3	0.004	0.056	0.9	46.6	6.9	0.1
		Max	9.9	68	13.6	0.006	0.095	7.9	93.0	44.4	10.3
		Median	9.2	68	13.5	0.005	0.076	4.8	50.0	39.7	8.3
		Mean	9.0	68	13.5	0.005	0.076	5.0	62.6	31.1	6.4
		SE	0.3	0.0	0.1	0.000	0.02	1.3	9.1	7.3	1.9
		SD	0.7	0	0.1	0.001	0.03	2.8	20.4	16.3	4.2

Table 5A-2: Baseline Benthic Invertebrate Density Data (500 µm mesh) for Stations Sampled in Meliadine Lake Exposure Areas, August 2015

Major Taxon	Order	Family	Subfamily	Tribe	Genus/Species	Melidaine Lake Near-field Area					Melidaine Lake Mid-field Area				
						MEL-01 - 1	MEL-01 - 2	MEL-01 - 3	MEL-01 - 4	MEL-01 - 5	MEL-02 - 1	MEL-02 - 2	MEL-02 - 3	MEL-02 - 4	MEL-02 - 05
						org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²
Class Insecta	Ephemeroptera	Baetidae	-	-	-	0	0	9	0	0	0	0	0	0	0
	Plecoptera	Nemouridae	-	-	<i>Zapada</i> sp.	0	0	9	0	0	0	0	0	0	0
			-	-	<i>Zapada columbiana</i>	0	0	9	0	0	0	0	0	0	0
	Trichoptera	Perlodidae	-	-	-	0	0	0	0	0	0	0	0	0	0
		Limnephilidae	-	-	-	0	0	0	0	9	0	0	0	0	0
		Uenoidae	-	-	<i>Oligophlebodes</i> sp.	0	0	9	0	0	0	0	0	0	0
	Diptera	Chironomidae	-	-	-	9	9	17	9	43	9	0	17	43	0
			Chironominae	Chironomini	<i>Chironomus</i> sp.	0	0	9	0	0	0	0	0	0	0
					<i>Cryptochironomus</i> sp.	0	0	9	17	0	0	0	0	0	0
					<i>Cryptotendipes</i> sp.	0	0	0	0	0	0	0	0	0	0
					<i>Dicrotendipes</i> sp.	0	0	0	0	0	0	0	0	0	0
					<i>Microtendipes pedellus</i> group	34	26	17	17	17	78	9	0	129	60
					<i>Pagastiella</i> sp.	0	9	26	0	17	9	9	17	9	17
					<i>Polypedilum</i> sp.	0	0	0	0	0	0	0	0	0	0
					<i>Stictochironomus</i>	103	155	224	34	0	9	0	69	0	9
				Tanytarsini	<i>Corynocera</i> sp.	9	26	52	60	0	0	0	0	34	9
					<i>Micropsectra</i> sp.	17	0	26	34	9	0	9	9	34	0
					<i>Rheotanytarsus</i> sp.	0	0	0	0	0	0	0	0	0	9
			Diamesinae	-	<i>Protanypus</i> sp.	0	0	0	0	0	0	0	9	0	0
			Orthocladiinae	-	<i>Orthocladius complex</i>	0	0	0	0	0	0	0	0	0	0
				-	<i>Psectrocladius</i> sp.	0	0	0	0	9	0	0	0	17	0
			Prodiamesinae	-	<i>Monodiamesa</i> sp.	17	0	0	9	17	34	0	17	9	26
			Tanypodinae	Procladiini	<i>Procladius</i> sp.	78	34	60	26	17	9	0	0	9	9
	Psychodidae	-	-	-	<i>Pericoma/Telmatoscopus</i> sp.	0	0	9	0	0	0	0	0	0	0
	Tipulidae	-	-	-	<i>Limnophila</i> sp.	0	0	0	0	0	0	0	0	0	0
Class Malacostraca	Amphipoda	-	-	-	-	0	0	9	0	0	9	0	0	0	9
		Gammaridae	-	-	-	0	0	0	0	9	0	0	0	0	0
			-	-	<i>Gammarus</i> sp.	0	0	17	0	0	9	9	0	9	0
Class Arachnida	Trombidiformes	Hygrobatidae	-	-	<i>Hygrobates</i> sp.	0	0	0	0	0	0	0	0	0	0
		Lebertiidae	-	-	<i>Lebertia</i> sp.	0	0	26	17	9	9	0	0	0	0
		Oxidae	-	-	<i>Oxus</i> sp.	0	0	34	0	0	0	0	0	9	0
		Pisidiidae	-	-	<i>Pisidium</i> sp.	78	112	172	52	26	34	17	17	69	52
Class Bivalvia	Veneroida		-	-	<i>Sphaerium</i> sp.	112	95	60	138	9	17	0	17	17	9
Class Gastropoda	-	-	-	-	-	0	0	0	0	0	0	0	0	17	0
	Heterostropho	Valvatidae	-	-	<i>Valvata</i> sp.	0	0	9	17	0	0	0	0	0	0
			-	-	<i>Valvata sincera</i>	34	17	0	34	0	0	0	0	43	0
Class Oligochaeta	Lumbriculida	Lumbriculidae	-	-	-	0	17	17	0	0	0	0	0	0	0
	Tubificida	Naididae	-	-	-	9	0	0	9	0	0	0	0	9	0
Total Density						500	500	828	474	190	224	60	172	457	207
Total Abundance						58	58	96	55	22	26	7	20	53	24

Notes:
Samples collected with a standard Ekman grab (15.24 centimetre [cm] × 15.24 cm: bottom sampling area of 0.0232 square metre [m²]).
Data are reported as density (number of organisms per square metre).

Table 5A-3: Benthic Invertebrate Density Data (500 µm mesh) for Stations Sampled in Meliadine Lake Exposure and Reference Areas, August 2016

Major Taxon	Order	Family	Subfamily	Tribe	Genus/Species	Meliadine Lake Near-field Area					Meliadine Lake Mid-field Area					Meliadine Lake Reference Area 1					Meliadine Lake Reference Area 2					Meliadine Lake Reference Area 3					
						MEL-01-01	MEL-01-02	MEL-01-03	MEL-01-04	MEL-01-05	MEL-02-01	MEL-02-02	MEL-02-03	MEL-02-04	MEL-02-05	MEL-03-01	MEL-03-02	MEL-03-03	MEL-03-04	MEL-03-05	MEL-04-01	MEL-04-02	MEL-04-03	MEL-04-04	MEL-04-05	MEL-05-01	MEL-05-02	MEL-05-03	MEL-05-04	MEL-05-05	
						org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	org/m ²	
Class Insecta	Trichoptera	Limnephilidae	-	-	<i>Grensia praeterita</i>	0	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	9	0	9	0	0	9				
	Diptera	Ceratopogonidae	-	-	<i>Bezzia / Palpomyia</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
		Chironomidae	Chironominae	Chironomini	<i>Chironomus</i> sp.	0	0	0	224	34	0	0	0	9	0	0	52	0	0	0	0	0	0	0	0	0	0	0			
					<i>Cladopelma</i> sp.	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
					<i>Cryptochironomus</i> sp.	0	0	0	9	17	0	0	0	9	0	0	9	0	0	0	0	0	0	0	0	0	0	9	0		
					<i>Dicrotendipes</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
					<i>Microtendipes</i> sp.	164	9	233	34	0	34	95	224	147	276	43	52	0	147	60	17	0	17	121	9	78	17	9	26	0	
					<i>Pagastiella</i> sp.	52	138	95	103	17	17	43	52	60	17	207	17	103	241	345	86	0	26	69	0	207	129	69	181	52	
					<i>Phaenopsectra</i> sp.	0	0	0	34	26	0	0	0	0	9	0	0	0	0	0	17	0	0	0	0	0	0	0	0		
					<i>Polypedilum</i> sp.	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
					<i>Stictochironomus</i> sp.	138	534	569	26	0	60	121	147	34	69	138	397	34	172	655	112	155	155	241	0	86	69	52	112	95	
					<i>Corynocera</i> sp.	0	0	0	276	129	0	0	17	0	17	9	0	793	172	1,164	0	17	233	95	9	52	69	379	190	9	
					<i>Micropsectra</i> sp.	78	190	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Paratanytarsus</i> sp.	0	0	26	17	60	0	0	0	0	26	138	9	121	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Stempellinella</i> sp.	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
					<i>Tanytarsus</i> sp.	52	17	422	379	1,414	0	17	17	0	155	241	43	431	34	164	9	0	0	0	34	34	26	147	86	0	
		Diamesinae	-	-	Orthoclaadiinae	<i>Protanypus</i> sp.	26	9	34	0	0	0	9	0	0	0	0	0	0	0	9	9	0	9	0	0	9	0			
						<i>Heterotrissocladius</i> sp.	0	17	0	9	26	0	0	0	0	0	0	17	0	0	0	0	0	0	0	17	34	0	0	0	
		Prodiamesinae	-	-	-	<i>Paracladius</i> sp.	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
						<i>Psectrocladius</i> sp.	0	0	0	0	26	0	0	0	0	0	26	9	60	0	69	0	0	9	9	0	9	9	9	0	
						<i>Pseudosmittia</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
						<i>Zalutschia</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	
						<i>Monodiamesa</i> sp.	0	0	0	0	0	26	0	9	17	0	26	26	0	9	0	26	60	9	0	52	60	0	0	0	
						<i>Ablabesmyia</i> sp.	0	9	0	0	9	0	17	0	0	17	34	17	26	9	0	0	0	0	9	34	0	9	17	0	
						<i>Zavrelimyia</i> sp.	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
						Pentaneurini	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0
						Procladiini	86	69	103	103	250	17	43	26	17	78	43	43	216	26	69	0	9	69	69	26	34	26	121	86	34
Class Arachnida	Trombidiformes					-	-	-	-	-	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	
		Lebertiidae	-	-	-	<i>Lebertia</i> sp.	26	0	0	9	0	9	0	9	9	0	17	0	0	0	9	17	0	0	0	0	0				
		Oxidae	-	-	-	<i>Oxus</i> sp.	0	0	0	0	17	0	9	0	0	0	9	0	0	0	9	0	0	43	0	9	0				
		Pionidae	-	-	-	<i>Piona</i> sp.	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0				
	Amphipoda	-	-	-	-	-	0	0	0	0	0	17	0	0	0	0	0	9	0	0	34	0	17	0	0	0					
Gammaridae	-	-	-	<i>Gammarus</i> sp.	78	43	60	0	0	0	60	26	26	0	86	26	0	95	26	9	0	155	112	0	164	17	0				
	-	-	-	-	103	112	164	336	259	0	112	69	26	259	60	147	52	52	34	52	26	78	86	34	121	17	0				
Class Bivalvia	Veneroida	Pisidiidae	-	-	-	<i>Pisidium</i> sp.	293	629	457	724	991	17	224	103	69	448	103	241	147	138	121	250	43	310	293	34	216	103	138	181	224
			-	-	-	<i>Sphaerium</i> sp.	0	0	60	26	9	0	9	0	0	129	0	9	43	0	9	9	0	34	17	0	9	0	9	17	
Class Gastropoda	Heterostropho	Valvatidae	-	-	-	-	0	0	0	17	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
			-	-	-	<i>Valvata</i> sp.	9	43	26	60	9	26	17	0	0	129	0	0	17	9	9	0	0	0	17	0	17	60	17	0	
Class Oligochaeta	Lumbriculida	Lumbriculidae	-	-	-	-	0	0	0	0	0	0	9	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	
			-	-	-	<i>Lumbriculus</i> sp.	0	0	17	17	17	0	0	0	9	0	17	0	9	9	34	26	0	26	34	34	34	0	69	9	17
			-	-	-	<i>Tubifex</i> sp.	9	26	9	0	17	0	0	0	0	0	17	9	0	0	0	0	0	0	0	0	0	9	0	0	
Tubificida	Naididae	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Grand Total Density						1,172	1,879	2,483	2,431	3,491	224	793	690	414	1,672	1,233	1,112	2,155	1,112	2,767	612	353	1,138	1,207	276	1,388	500	1,086	1,043	534	
Raw Abundance						136	218	288	282	405	26	92	80	48	194	143	129	250	129	321	71	41	132	140	32	161	58	126	121	62	

Notes;
Samples collected with a standard Ekman grab (15.24 centimetre [cm] × 15.24 cm; bottom sampling area of 0.0232 square metre [m²])
Data are reported as density (number of organisms per square metre).

Table 5A-4: Benthic Invertebrate Baseline Presence/Absence Data for Stations Sampled in Meliadine Lake Exposure and Reference Areas, August 2015 and 2016

Major Taxon	Order	Family	Subfamily Tribe		Genus/Species	2016					2015				
						Near-field Area	Mid-field Area	Reference Area 1	Reference Area 2	Reference Area 3	Near-field Area	Mid-field Area			
						MEL-01	MEL-02	MEL-03	MEL-04	MEL-05	MEL-01	MEL-02			
Class Insecta	Ephemeroptera	Baetidae	-	-	-	-	-	-	-	-	X	-			
	Plecoptera	Nemouridae	-	-	<i>Zapada sp.</i>	-	-	-	-	-	-	-			
					<i>Zapada columbiana</i>	-	-	-	-	-	X	-			
		Perlodidae	-	-	-	-	-	-	-	-	-	-			
	Trichoptera	Limnephilidae	-	-	-	-	-	-	-	-	X	-			
					<i>Grensia praeterita</i>	-	-	X	X	X	-	-			
		Uenoidae	-	-	<i>Oligophlebodes</i>	-	-	-	-	-	X	-			
	Diptera	Ceratopogonidae	-	-	<i>Bezzia/ Palpomyia</i>	-	-	-	-	-	-	-	-		
		Chironomidae	-	-	-	-	-	-	-	-	-	-	-		
					Chironominae	Chironomini	<i>Chironomus sp.</i>	X	X	X	-	-	X	-	
							<i>Cladopelma sp.</i>	X	-	-	-	-	-	-	-
							<i>Cryptochironomus sp.</i>	X	X	X	-	X	X	-	
							<i>Cryptotendipes sp.</i>	-	-	-	-	-	-	-	-
							<i>Dicrotendipes sp.</i>	-	-	-	-	-	-	-	-
							<i>Microtendipes sp.</i>	X	X	X	X	X	-	-	
							<i>Microtendipes pedellus group</i>	-	-	-	-	-	X	X	
							<i>Pagastiella sp.</i>	X	X	X	X	X	X	X	
							<i>Phaenopsectra sp.</i>	X	-	X	X	-	-	-	
							<i>Polypedilum sp.</i>	X	-	-	-	-	-	-	
							<i>Stictochironomus sp.</i>	X	X	X	X	X	X	X	
							Tanytarsini	<i>Corynocera sp.</i>	X	X	X	X	X	X	X
					<i>Micropsectra sp.</i>	X		-	-	-	-	X	X		
					<i>Paratanytarsus sp.</i>	X		X	X	-	-	-	-		
					<i>Stempellinella sp.</i>	X		-	-	-	-	-	-		
					<i>Rheotanytarsus</i>	-		-	-	-	-	-	X		
					<i>Tanytarsus sp.</i>	X		X	X	X	X	-	-		
					Diamesinae	-	<i>Protanypus sp.</i>	X	X	-	X	X	-	-	X
					Orthocladiinae	-	<i>Heterotrissocladius sp.</i>	X	-	X	X	X	-	-	
							<i>Orthocladius complex</i>	-	-	-	-	-	-	-	
							<i>Paracladius sp.</i>	X	-	-	-	-	-	-	
							<i>Psectrocladius sp.</i>	X	-	X	X	X	X	X	
							<i>Pseudosmittia sp.</i>	-	-	-	-	-	-	-	
<i>Zalutschia sp.</i>							-	-	-	X	-	-	-		
Prodiamesinae					-	<i>Monodiamesa sp.</i>	-	X	X	X	X	X	X	X	
Tanypodinae		Pentaneurini	<i>Ablabesmyia sp.</i>	X	X	X	X	X	-	-					
	<i>Thienemannimyia group</i>		-	-	-	X	-	-	-						
	<i>Zavrelimyia sp.</i>		X	-	-	-	-	-	-						
	Procladiiini	<i>Procladius sp.</i>	X	X	X	X	X	X	X	X					
Psychodidae	-	-	<i>Pericoma/Telmatoscopus sp.</i>	-	-	-	-	-	X	-					
Tipulidae	-	-	<i>Limnophila sp.</i>	-	-	-	-	-	-	-					

Major Taxon	Order	Family	Subfamily	Tribe	Genus/Species	2016					2015	
						Near-field Area	Mid-field Area	Reference Area 1	Reference Area 2	Reference Area 3	Near-field Area	Mid-field Area
						MEL-01	MEL-02	MEL-03	MEL-04	MEL-05	MEL-01	MEL-02
Class Malacostraca	Amphipoda	-	-	-	-	-	X	-	-	-	-	X
		Gammaridae	-	-	-	-	-	-	-	-	X	-
					<i>Gammarus sp.</i>	X	X	X	X	X	X	X
		Hyaellidae	-	-	<i>Hyaella sp.</i>	-	-	-	-	-	-	X
Class Arachnida	Trombidiformes	-	-	-	-	-	-	X	-	-	-	-
		Hygrobatidae	-	-	<i>Hygrobates sp.</i>	-	-	-	-	-	-	-
		Lebertiidae	-	-	<i>Lebertia sp.</i>	X	X	X	X	-	X	X
		Oxidae	-	-	<i>Oxus sp.</i>	X	X	X	X	X	X	X
		Pionidae	-	-	<i>Piona sp.</i>	-	X	-	-	-	-	-
Class Bivalvia	Veneroida	Pisidiidae	-	-	-	-	-	-	-	-	-	-
					<i>Pisidium sp.</i>	X	X	X	X	X	X	X
					<i>Sphaerium sp.</i>	X	X	X	X	X	X	X
Class Gastropoda	-	-	-	-	-	-	-	-	-	-	-	-
	Heterostrophia	Valvatidae	-	-	-	X	-	-	-	-	-	-
					<i>Valvata sp.</i>	X	X	X	X	X	X	-
					<i>Valvata sincera</i>	-	-	-	-	-	X	X
Class Oligochaeta	Lumbriculida	Lumbriculidae	-	-	-	-	X	X	-	-	X	-
					<i>Lumbriculus sp.</i>	X	X	X	X	X	-	-
	Tubificida	Naididae	-	-	<i>Tubifex sp.</i>	X	-	X	-	X	X	X

Notes;
'X' = present; '-' = absent

Table 5A-5: Summary of Baseline Benthic Invertebrate Community Indices Calculated for Meliadine Lake Exposure and Reference Areas, August 2015 and 2016

Area	Year	Station	Total Density (org/m ²)	Richness - Family level	Richness - LTL	SDI - Family level	SDI - LTL	SEI - Family level	SEI - LTL	BCI (EEM) - Family level	BCI (EEM) - LTL	BCI (PW) - Family level	BCI (PW) - LTL
Near-field Area	2015	MEL-01-01	500	3	11	0.57	0.85	0.77	0.59	-	-	-	-
		MEL-01-02	500	4	10	0.56	0.80	0.57	0.51	-	-	-	-
		MEL-01-03	828	12	22	0.63	0.86	0.23	0.33	-	-	-	-
		MEL-01-04	474	4	14	0.64	0.86	0.69	0.52	-	-	-	-
		Min	474	3	10	0.56	0.80	0.23	0.33	-	-	-	-
		Max	828	12	22	0.64	0.86	0.77	0.59	-	-	-	-
		Median	500	4	13	0.60	0.85	0.63	0.51	-	-	-	-
		Mean	575	6	14	0.60	0.84	0.56	0.49	-	-	-	-
		SE	75	2	2	0.02	0.01	0.11	0.05	-	-	-	-
		SD	169	4	5	0.04	0.03	0.24	0.11	-	-	-	-
	2016	MEL-01-01	1,172	6	15	0.57	0.88	0.39	0.53	0.14	0.47	0.31	0.52
		MEL-01-02	1,879	5	16	0.55	0.78	0.44	0.29	0.35	0.60	0.43	0.62
		MEL-01-03	2,483	6	17	0.46	0.86	0.31	0.43	0.46	0.65	0.48	0.62
		MEL-01-04	2,431	5	20	0.53	0.84	0.43	0.32	0.47	0.67	0.51	0.65
		MEL-01-05	3,491	6	20	0.48	0.74	0.32	0.19	0.59	0.80	0.59	0.78
		Min	1,172	5	15	0.46	0.74	0.31	0.19	0.14	0.47	0.31	0.52
		Max	3,491	6	20	0.57	0.88	0.44	0.53	0.59	0.80	0.59	0.78
		Median	2,431	6	17	0.53	0.84	0.39	0.32	0.46	0.65	0.48	0.62
		Mean	2,291	6	18	0.52	0.82	0.38	0.35	0.40	0.64	0.46	0.64
		SE	382	0	1	0.02	0.03	0.03	0.06	0.08	0.05	0.05	0.04
		SD	854	1	2	0.04	0.06	0.06	0.13	0.17	0.12	0.10	0.09
Mid-field Area	2015	MEL-02-01	224	5	11	0.51	0.82	0.41	0.50	-	-	-	-
		MEL-02-02	60	4	6	0.69	0.82	0.82	0.91	-	-	-	-
		MEL-02-03	172	2	8	0.32	0.79	0.74	0.58	-	-	-	-
		Min	60	2	6	0.32	0.79	0.41	0.50	-	-	-	-
		Max	224	5	11	0.69	0.82	0.82	0.91	-	-	-	-
		Median	172	4	8	0.51	0.82	0.74	0.58	-	-	-	-
		Mean	152	4	8	0.51	0.81	0.65	0.66	-	-	-	-
		SE	37	1	1	0.08	0.01	0.10	0.10	-	-	-	-
		SD	84	2	3	0.19	0.02	0.21	0.22	-	-	-	-
	2016	MEL-02-01	224	3	9	0.36	0.85	0.52	0.75	0.67	0.68	0.64	0.75
		MEL-02-02	793	7	15	0.62	0.85	0.37	0.44	0.28	0.34	0.35	0.48
		MEL-02-03	690	3	10	0.43	0.81	0.58	0.52	0.14	0.35	0.34	0.53
		MEL-02-04	414	5	10	0.50	0.81	0.40	0.52	0.39	0.49	0.44	0.63
		MEL-02-05	1,672	5	17	0.57	0.85	0.47	0.40	0.32	0.64	0.45	0.64
		Min	224	3	9	0.36	0.81	0.37	0.40	0.14	0.34	0.34	0.48
		Max	1,672	7	17	0.62	0.85	0.58	0.75	0.67	0.68	0.64	0.75
		Median	690	5	10	0.50	0.85	0.47	0.52	0.32	0.49	0.44	0.63
		Mean	759	5	12	0.50	0.83	0.47	0.52	0.36	0.50	0.44	0.61
		SE	250	1	2	0.05	0.01	0.04	0.06	0.09	0.07	0.05	0.05
		SD	558	2	4	0.10	0.02	0.09	0.14	0.20	0.16	0.12	0.10

Area	Year	Station	Total Density (org/m ²)	Richness - Family level	Richness - LTL	SDI - Family level	SDI - LTL	SEI - Family level	SEI - LTL	BCI (EEM) - Family level	BCI (EEM) - LTL	BCI (PW) - Family level	BCI (PW) - LTL
Reference Area 1	2016	MEL-03-01	1,233	7	19	0.41	0.89	0.24	0.48	0.22	0.44	0.39	0.55
		MEL-03-02	1,112	7	19	0.54	0.80	0.31	0.26	0.10	0.45	0.31	0.53
		MEL-03-03	2,155	5	17	0.23	0.80	0.26	0.30	0.42	0.64	0.57	0.69
		MEL-03-04	1,112	5	13	0.43	0.86	0.35	0.55	0.15	0.33	0.34	0.47
		MEL-03-05	2,767	6	14	0.16	0.74	0.20	0.28	0.54	0.66	0.65	0.69
		Min	1,112	5	13	0.16	0.74	0.20	0.26	0.10	0.33	0.31	0.47
		Max	2,767	7	19	0.54	0.89	0.35	0.55	0.54	0.66	0.65	0.69
		Median	1,233	6	17	0.41	0.80	0.26	0.30	0.22	0.45	0.39	0.55
		Mean	1,676	6	16	0.35	0.82	0.27	0.37	0.29	0.50	0.45	0.58
		SE	336	0	1	0.07	0.03	0.03	0.06	0.08	0.06	0.07	0.05
		SD	750	1	3	0.16	0.06	0.06	0.13	0.19	0.14	0.15	0.10
Reference Area 2	2016	MEL-04-01	612	5	12	0.56	0.77	0.46	0.36	0.31	0.26	0.43	0.51
		MEL-04-02	353	4	9	0.42	0.75	0.43	0.44	0.49	0.57	0.55	0.71
		MEL-04-03	1,138	4	14	0.62	0.84	0.66	0.44	0.21	0.40	0.34	0.49
		MEL-04-04	1,207	5	15	0.60	0.86	0.49	0.49	0.16	0.38	0.31	0.48
		MEL-04-05	276	4	11	0.60	0.88	0.63	0.78	0.60	0.60	0.63	0.74
		Min	276	4	9	0.42	0.75	0.43	0.36	0.16	0.26	0.31	0.48
		Max	1,207	5	15	0.62	0.88	0.66	0.78	0.60	0.60	0.63	0.74
		Median	612	4	12	0.60	0.84	0.49	0.44	0.31	0.40	0.43	0.51
		Mean	717	4	12	0.56	0.82	0.53	0.50	0.35	0.44	0.45	0.59
		SE	194	0	1	0.04	0.03	0.05	0.07	0.08	0.06	0.06	0.06
		SD	434	1	2	0.08	0.06	0.10	0.16	0.18	0.14	0.14	0.13
Reference Area 3	2016	MEL-05-01	1,388	6	20	0.60	0.91	0.42	0.54	0.20	0.42	0.34	0.52
		MEL-05-02	500	4	11	0.46	0.84	0.47	0.57	0.32	0.23	0.43	0.58
		MEL-05-03	1,086	5	14	0.43	0.82	0.35	0.39	0.20	0.47	0.37	0.60
		MEL-05-04	1,043	6	17	0.46	0.87	0.31	0.47	0.07	0.26	0.33	0.48
		MEL-05-05	534	5	10	0.55	0.76	0.45	0.42	0.36	0.26	0.45	0.53
		Min	500	4	10	0.43	0.76	0.31	0.39	0.07	0.23	0.33	0.48
		Max	1,388	6	20	0.60	0.91	0.47	0.57	0.36	0.47	0.45	0.60
		Median	1,043	5	14	0.46	0.84	0.42	0.47	0.20	0.26	0.37	0.53
		Mean	910	5	14	0.50	0.84	0.40	0.48	0.23	0.33	0.39	0.54
		SE	171	0	2	0.03	0.02	0.03	0.03	0.05	0.05	0.03	0.02
		SD	383	1	4	0.07	0.06	0.07	0.08	0.11	0.11	0.06	0.05

SDI = Simpson's Diversity Index; SEI = Simpson's Evenness index; BCI = Bray-Curtis Index; BCD = Bray-Curtis Distance; - = not calculated.

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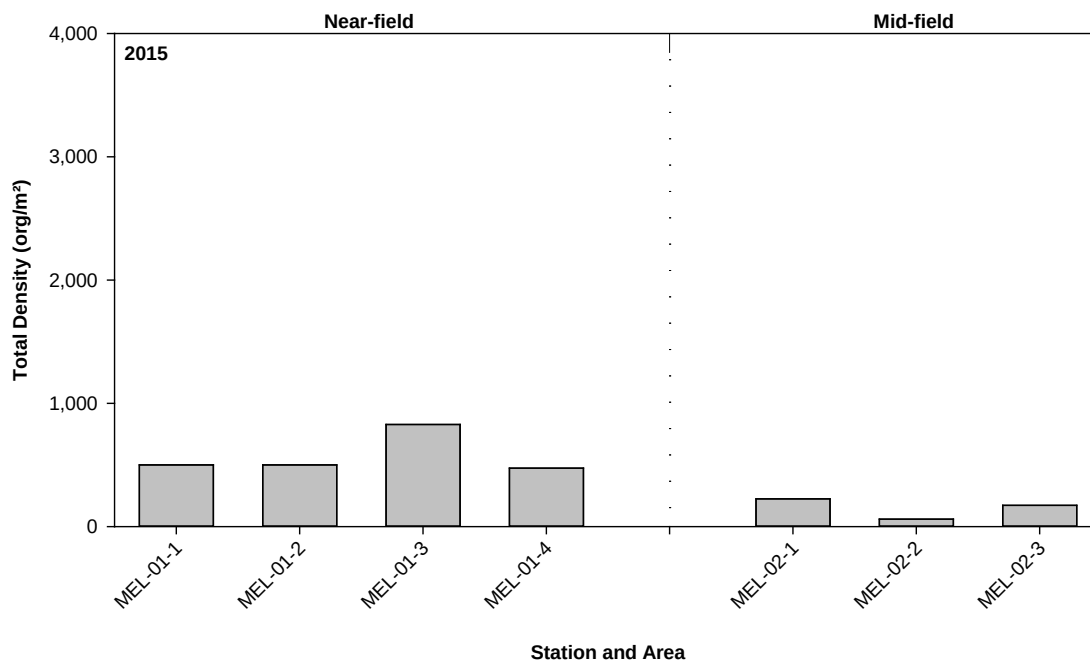


Figure 5B-1: Total Invertebrate Density in the Near-field and Mid-Field Areas, August 2015

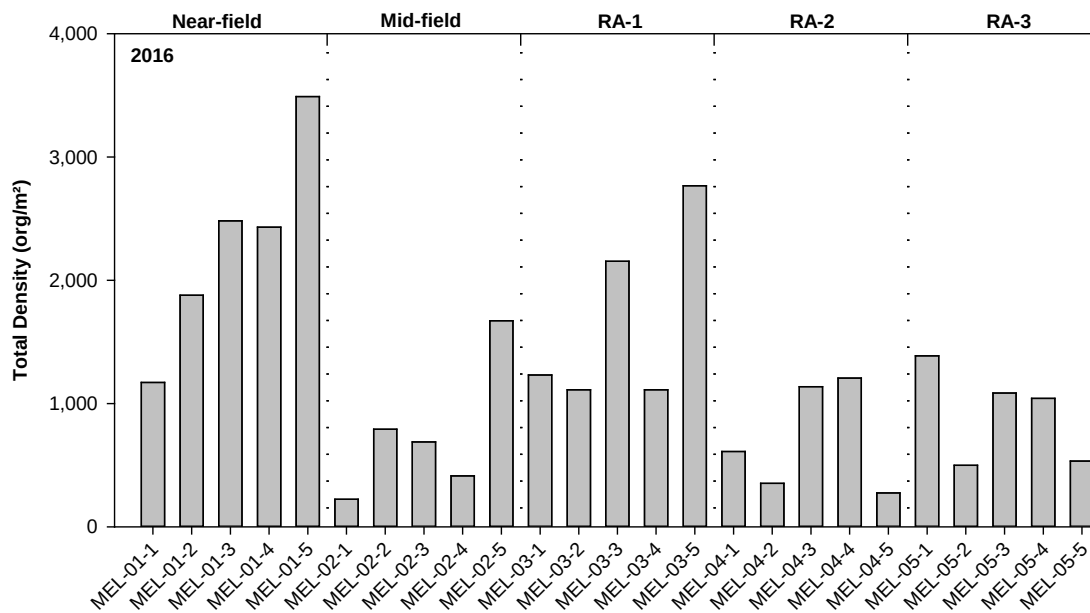
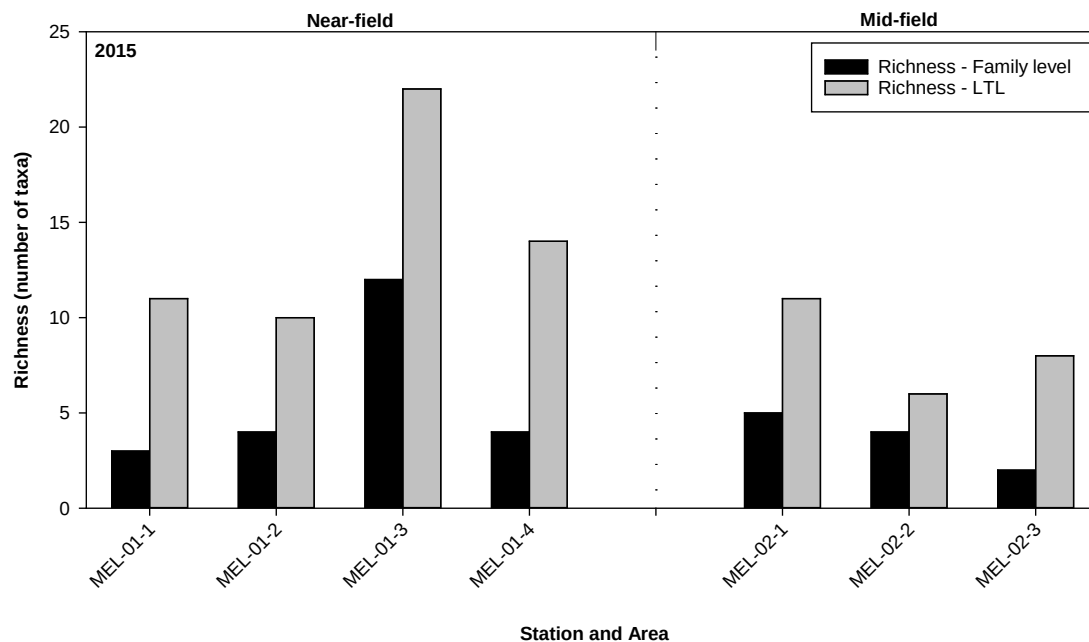
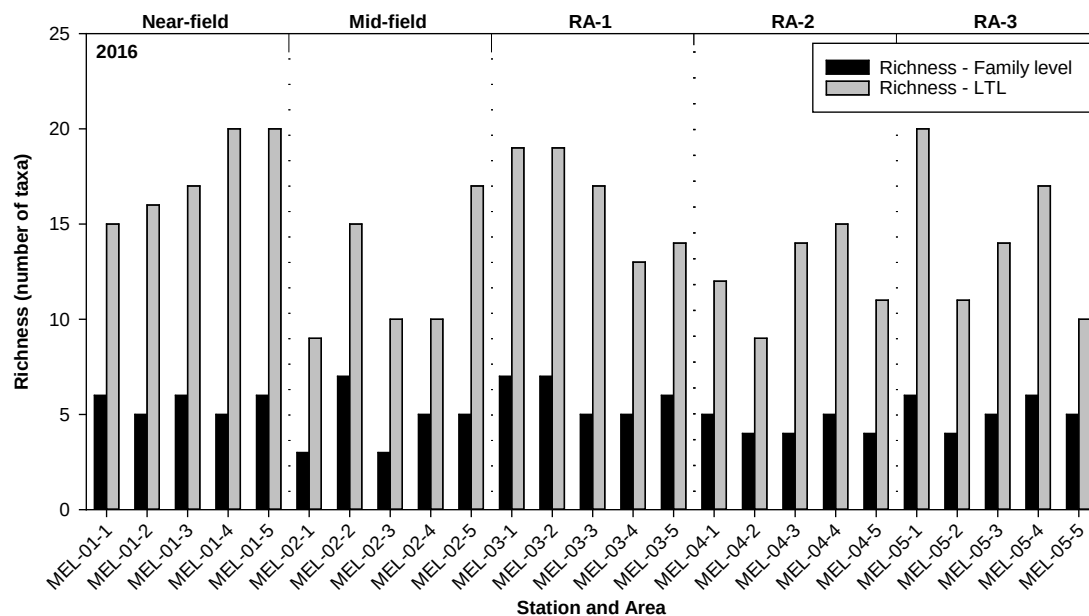


Figure 5B-2: Total Invertebrate Density by Station, August 2016



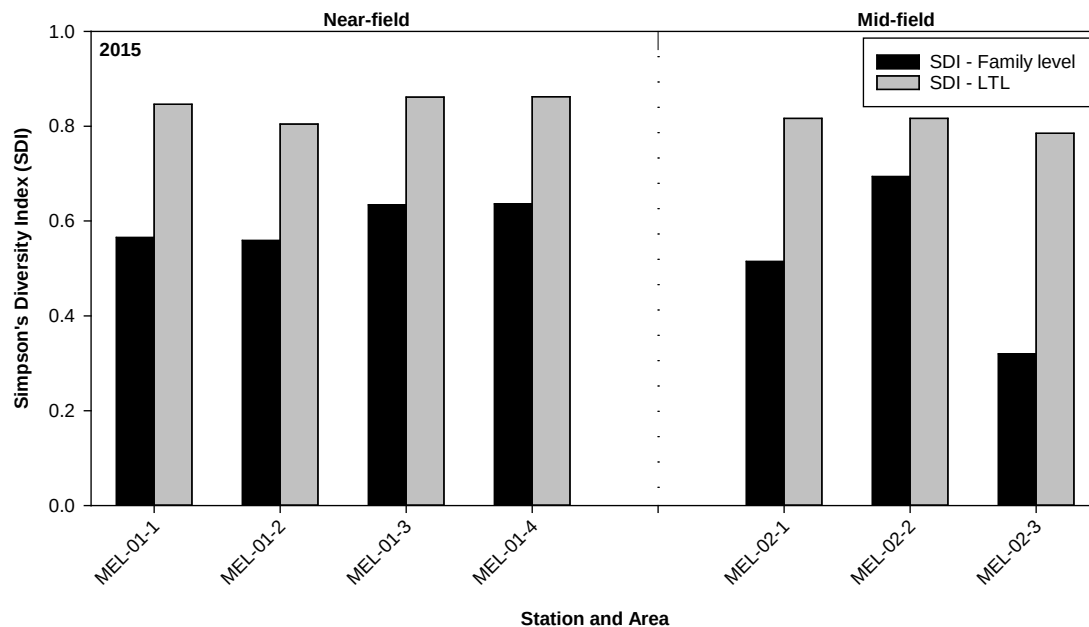
LTL = lowest taxonomic level.

Figure 5B-3: Richness in the Near-field and Mid-field Areas, August 2015



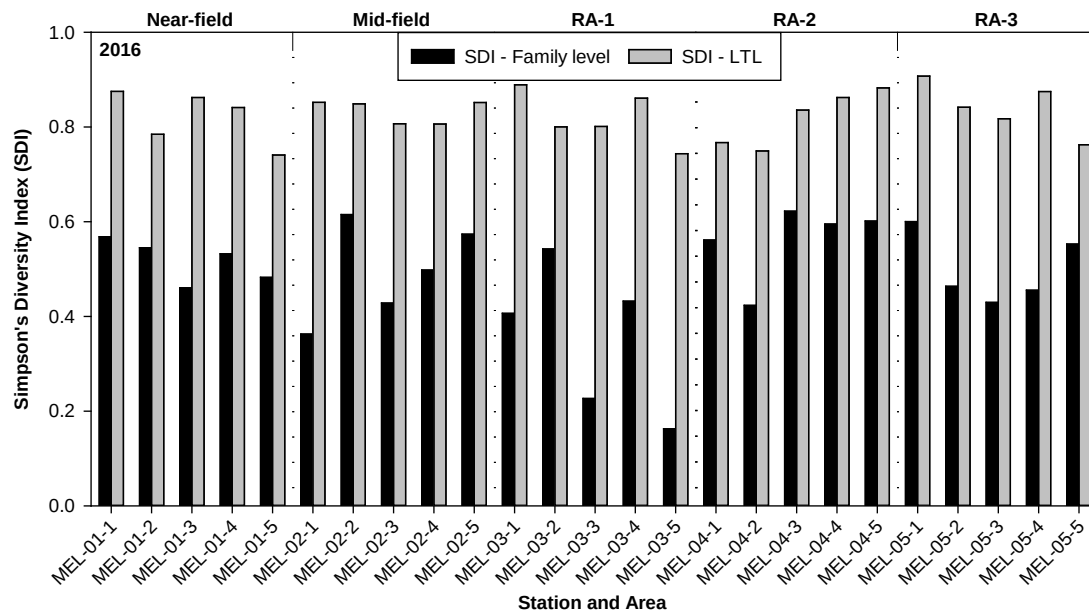
LTL = lowest taxonomic level; RA-1 = Reference area 1; RA-2 = Reference area 2; RA-3 = Reference area 3.

Figure 5B-4: Richness by Station, August 2016



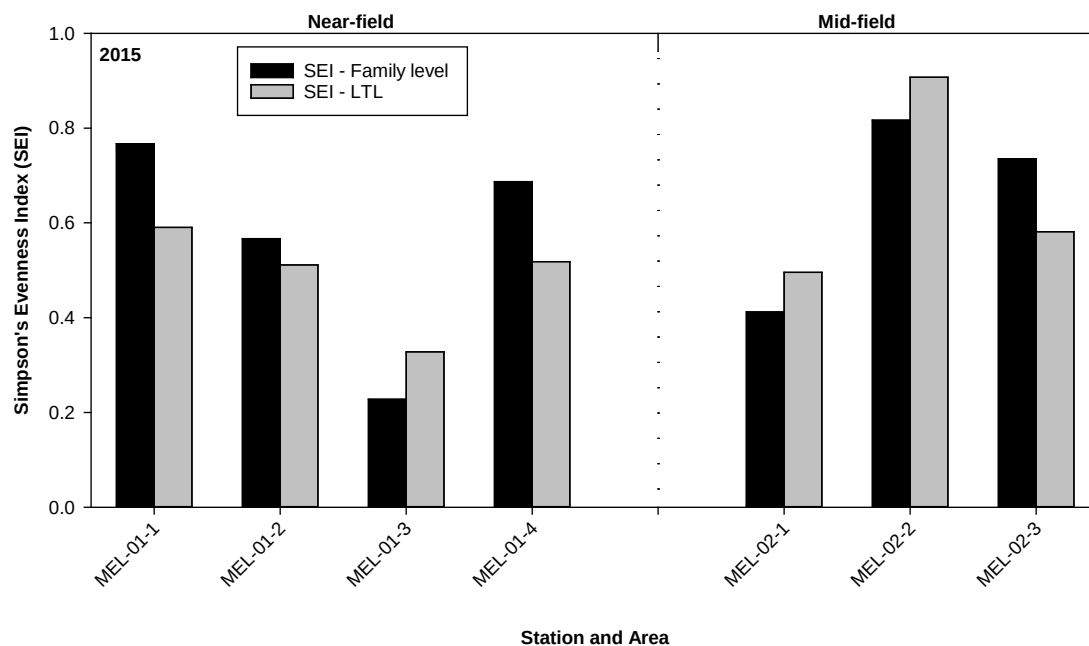
LTL = lowest taxonomic level.

Figure 5B-5: Simpson's Diversity Index in the Near-field and Mid-field Areas, August 2015



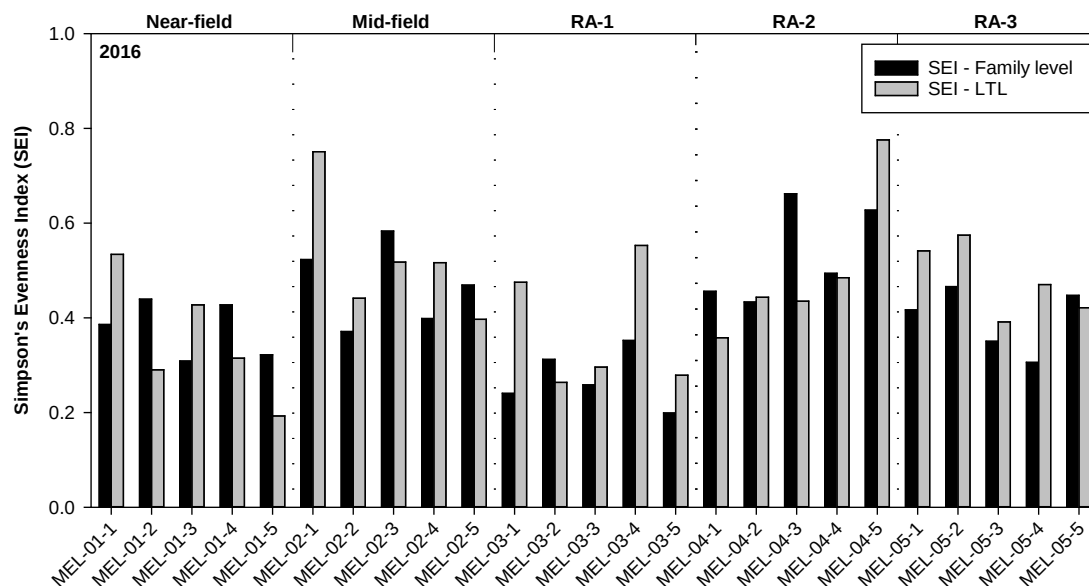
LTL = lowest taxonomic level; RA-1 = Reference area 1; RA-2 = Reference area 2; RA-3 = Reference area 3.

Figure 5B-6: Simpson's Diversity Index by Station, August 2016



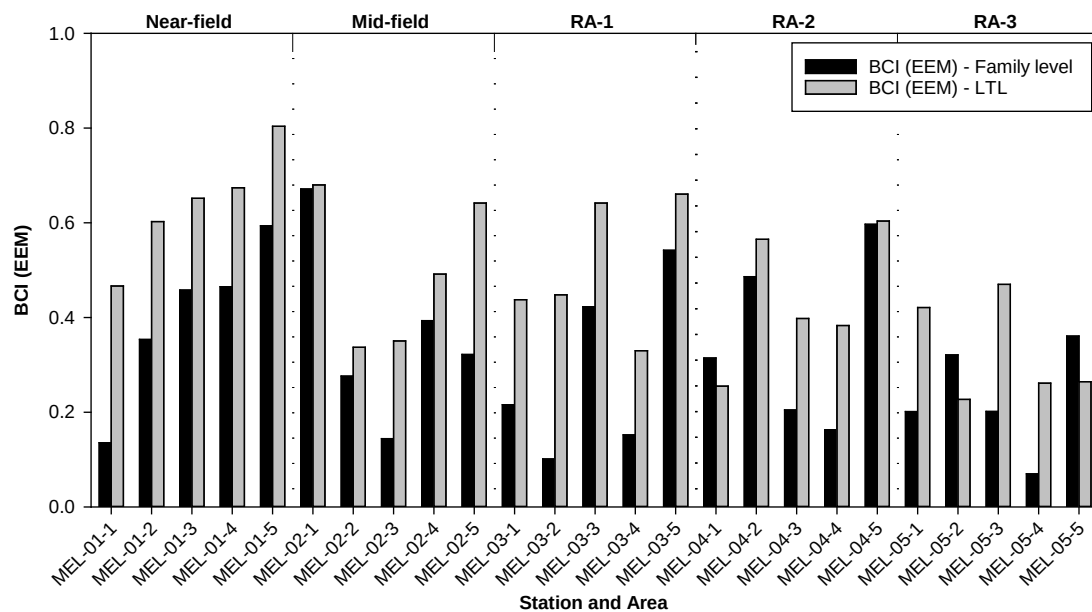
LTL = lowest taxonomic level.

Figure 5B-7: Simpson's Evenness Index in the Near-field and Mid-field Areas, August 2015



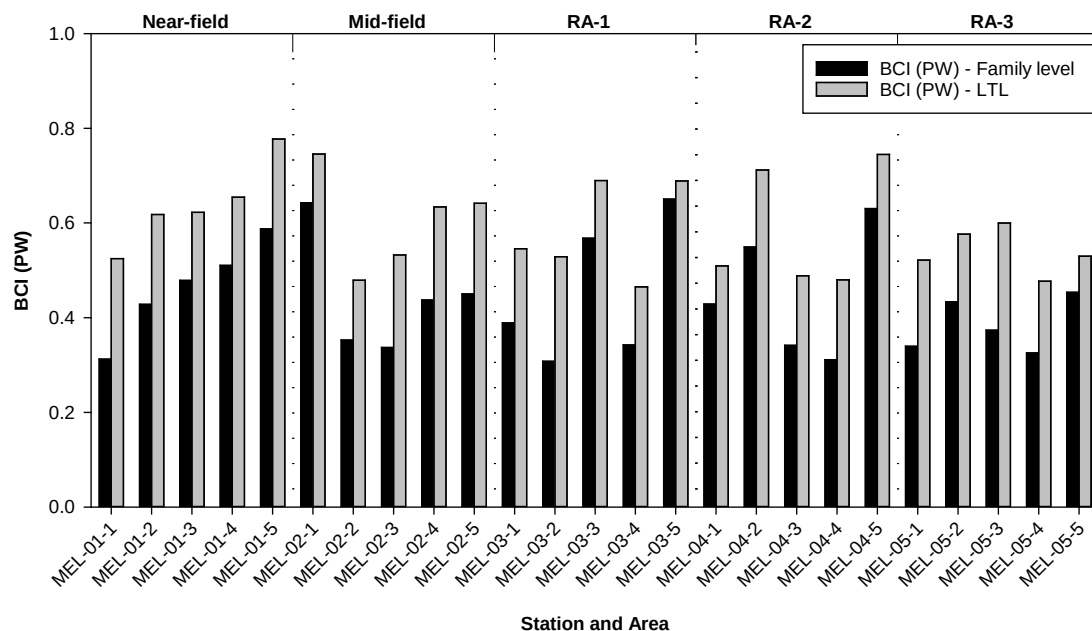
LTL = lowest taxonomic level; RA-1 = Reference area 1; RA-2 = Reference area 2; RA-3 = Reference area 3.

Figure 5B-8: Simpson's Evenness Index by Station, August 2016



LTL = lowest taxonomic level; RA-1 = Reference area 1; RA-2 = Reference area 2; RA-3 = Reference area 3; BCI = Bray-Curtis index; EEM = Environmental Effects Monitoring.

Figure 5B-9: Bray-Curtis Index (EEM method) by Station, August 2016



LTL = lowest taxonomic level; RA-1 = Reference area 1; RA-2 = Reference area 2; RA-3 = Reference area 3; BCI = Bray-Curtis index; PW = pairwise.

Figure 5B-10: Bray-Curtis Index (pairwise method) by Station, August 2016

APPENDIX 6A – 6E

Fish

Table 6A-1: Fish Sampling Effort for Meliadine Lake, 2015 and 2017

Sampling Area	Effort Number	Gear Type	Zone	Start		End		Habitat Description	Minimum Depth (m)	Max Depth (m)	Set Date (d/m/y)	Lift Date (d/m/y)	Duration (h)	Effort ^(a)	Fish Captured							
				Easting	Northing	Easting	Northing								THST	RNWH	LKTR	SLSC	BURB	NNST	CISC	Total
NF	ML15FHNFBP1000	Electrofishing	15V	542210	6991482	542187	6991385	Boulder, cobble, silt	0.1	0.7	14/08/2015	14/08/2015	1.33	2825 s	35	-	5	2	-	2	-	44
NF	ML15FHNFBP1001	Electrofishing	15V	544086	6987045	543762	6987079	Boulder, cobble, silt	0.1	0.7	15/08/2015	15/08/2015	1.08	2345 s	45	1	1	6	-	1	-	54
NF	ML15FHNFMT1300	Minnow Trap	15V	541733	6988953	-	-	Cobble	0.2	0.6	16/08/2015	17/08/2015	36.42	401 h	120	-	-	-	-	16	1	137
NF	ML15FHNFMT1301	Minnow Trap	15V	541671	6988988	-	-	Boulder, cobble	0.4	1.0	16/08/2015	17/08/2015	13.08	183 h	44	-	-	-	1	3	-	48
NF	ML15FHNFSN1400	Seine Net	15V	542232	6991483	542273	6991457	Boulder, cobble, silt	0.1	0.8	14/08/2015	14/08/2015	0.25	150 m ²	2	-	-	-	-	-	-	2
RA1	ML17FHRA1BP2000	Electrofishing	15V	533239	6998103	533202	6998082	Rocky shoreline with organics	0.1	0.5	09/08/2017	09/08/2017	-	210 s	34	2	-	-	-	-	-	36
RA1	ML17FHRA1BP2001	Electrofishing	15V	533238	6998108	533147	6998109	Cobble, boulder shoreline with fines	0.1	0.4	12/08/2017	12/08/2017	-	609 s	60	-	-	-	-	-	-	60
RA1	ML17FHRA1BP2002	Electrofishing	15V	533198	6998083	533131	6998124	Cobble, boulder with sand	0.1	0.5	13/08/2017	13/08/2017	-	422 s	60	-	-	-	-	-	-	60
RA1	ML17FHRA1HP2200	Hoop Net	15V	535077	6996933	-	-	Deep, clear, with large boulders	0.9	1.1	09/08/2017	10/08/2017	22.08	22 h	117	-	-	-	-	1	-	118
RA1	ML17FHRA1HP2201	Hoop Net	15V	535551	6998405	-	-	Large embedded boulders	0.9	1.5	09/08/2017	10/08/2017	20.68	21 h	1	-	-	-	-	-	-	1
RA1	ML17FHRA1MT2300	Minnow Trap	15V	534343	6997898	534399	6997826	Rock and boulder	0.2	0.8	09/08/2017	10/08/2017	23.80	190 h	38	-	-	-	-	-	-	38
RA1	ML17FHRA1MT2301	Minnow Trap	15V	534973	6996873	535026	6996846	Sheltered bay with cobble and shale. No vegetation.	0.3	0.5	09/08/2017	10/08/2017	22.60	136 h	17	-	-	-	-	-	-	17
RA1	ML17FHRA1MT2302	Minnow Trap	15V	535560	6998404	535529	6998405	Shale, boulder and fines; no vegetation	0.2	0.5	09/08/2017	11/08/2017	45.30	272 h	74	-	1	-	-	6	-	81
RA1	ML17FHRA1MT2303	Minnow Trap	15V	534785	6997177	534765	6997162	Boulder, cobble with lots of periphyton	0.2	0.4	10/08/2017	11/08/2017	23.40	140 h	19	-	-	-	-	-	-	19
RA1	ML17FHRA1MT2304	Minnow Trap	15V	533990	6997761	534030	6997738	Boulder with fines and periphyton	0.3	0.5	10/08/2017	12/08/2017	46.60	373 h	58	-	-	-	-	-	-	58
RA1	ML17FHRA1MT2305	Minnow Trap	15V	533699	6998961	533628	6999011	Rocky shoreline, mostly round boulder	0.2	0.4	11/08/2017	13/08/2017	46.52	279 h	163	-	-	-	-	6	-	169
RA1	ML17FHRA1MT2306	Minnow Trap	15V	532840	6999706	532900	6999715	Embedded boulder; more uniform shoreline	0.2	0.4	11/08/2017	13/08/2017	46.72	280 h	99	-	-	-	-	2	-	101
RA1	ML17FHRA1MT2307	Minnow Trap	15V	533158	6998280	533217	6998256	Embedded cobble and boulder with periphyton	0.1	0.5	12/08/2017	13/08/2017	23.87	191 h	118	-	-	-	1	2	-	121
RA1	ML17FHRA1SN2400	Seine Net	15V	534328	6997926	534334	6997911	Cobble beach with embedded flat boulders; no vegetation	0.1	0.6	09/08/2017	09/08/2017	0.42	340 m ²	2	4	7	1	-	-	-	14
RA2	ML17FHRA2BP3000	Electrofishing	15V	526129	7001238	526127	7001304	-	0.1	0.6	14/08/2017	14/08/2017	-	339 s	24	-	-	-	2	9	-	35
RA2	ML17FHRA2MT3300	Minnow Trap	15V	526118	7001228	526094	7001235	Embedded boulder; submerged vegetation	0.2	0.4	14/08/2017	16/08/2017	46.17	277 h	31	-	-	-	-	4	-	35
RA2	ML17FHRA2MT3301	Minnow Trap	15V	525155	7001053	525195	7000993	Cobble, boulder shoal with sand	0.1	0.3	14/08/2017	16/08/2017	46.78	374 h	59	-	-	-	2	1	-	62
RA2	ML17FHRA2MT3302	Minnow Trap	15V	525888	7002290	525895	7002306	Cobble, boulder with some gravel	0.2	0.5	14/08/2017	16/08/2017	45.80	275 h	45	-	-	-	-	2	-	47
RA2	ML17FHRA2MT3303	Minnow Trap	15V	526334	7002402	526333	7002383	Cobble, boulder with periphyton; sand/organic at shoreline	0.2	0.5	16/08/2017	18/08/2017	50.25	302 h	70	-	-	-	-	6	-	76
RA2	ML17FHRA2MT3304	Minnow Trap	15V	525048	7002031	525078	7002025	Boulder with interspersed cobble. Small bay.	0.1	0.5	16/08/2017	18/08/2017	50.05	300 h	69	-	-	-	1	-	-	70
RA2	ML17FHRA2MT3305	Minnow Trap	15V	524648	7001233	524650	7001217	-	0.2	0.4	16/08/2017	18/08/2017	49.67	397 h	149	-	-	-	-	20	-	169

a) Minnow Trap = trap hours; Electrofishing = seconds; Siene Net = square metres; Gill Net = net hours; Hoop Net = net hours.
NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; m = metre; d = day; m = month; y = year; h = hour; s = second; m² = square metre; THST = Threespine Stickleback; RNWH = Round Whitefish; LKTR = Lake Trout; SLSC = Slimy Sculpin; BURB = Burbot; NNST = Ninespine Stickleback; CISC = Cisco; - = not recorded or not applicable.

Table 6A-2: Environmental Data for Meliadine Lake, 2015 and 2017

Effort Number	Year	Air Temp (°C)	Cloud Cover (%)	Wind Direction	Wind Speed (km/h)	Precipitation	Water Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Specific Conductivity (µS/cm)	pH
ML15FHNFBP1000	2015	12	40	NNW	-	0	9.23	11.15	97.2	49	6.30
ML15FHNFBP1001	2015	10	10	SSE	-	0	8.82	11.99	103.4	52	6.30
ML15FHNFMT1300	2015	8	5	SSW	-	0	8.34	11.14	95.2	52	6.60
ML15FHNFMT1301	2015	-	-	-	-	-	9.66	11.25	99.1	51	6.60
ML15FHNFSN1400	2015	12	40	NNW	-	0	9.23	11.15	97.2	49	6.20
ML17FHRA1BP2000	2017	15	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1BP2001	2017	13	5	NNW	18	0	13.70	8.70	-	59	8.56
ML17FHRA1BP2002	2017	12	5	SSE	15	0	13.22	10.80	103.7	69	7.48
ML17FHRA1HP2200	2017	16	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1HP2201	2017	16	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1MT2300	2017	17	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1MT2301	2017	16	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1MT2302	2017	16	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1MT2303	2017	10	100	NE	25	0	11.00	-	-	88	8.19
ML17FHRA1MT2304	2017	10	100	NE	25	0	11.00	-	-	88	8.19
ML17FHRA1MT2305	2017	15	50	NNW	8	0	13.30	-	-	55	8.84
ML17FHRA1MT2306	2017	16	50	NNW	8	0	13.30	-	-	55	8.84
ML17FHRA1MT2307	2017	13	5	NNW	18	0	13.70	8.70	-	59	8.56
ML17FHRA1SN2400	2017	15	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA2BP3000	2017	11	75	S	15	0	13.67	10.66	104.1	68	7.72
ML17FHRA2MT3300	2017	11	75	S	15	0	13.67	10.66	104.1	68	7.72
ML17FHRA2MT3301	2017	11	75	S	15	0	13.59	10.67	104.4	68	7.75
ML17FHRA2MT3302	2017	11	75	S	15	0	13.67	10.66	104.1	68	7.72
ML17FHRA2MT3303	2017	10	100	N	13	0	13.67	10.66	104.1	68	7.72
ML17FHRA2MT3304	2017	11	100	N	13	0	13.69	10.65	104.0	68	7.76
ML17FHRA2MT3305	2017	11	100	N	13	0	13.69	10.65	104.0	68	7.76

°C = degree Celsius; % = percent; km/h = kilometre per hour; mg/L = milligram per litre; µS/cm = microsiemen per centimetre; N = north; NE = northeast; NW = northwest; NNW = north-northwest; S = south; SSE = south-southeast; SSW = south-southwest; - = not recorded or not applicable.

Table 6B-1: Fish Health Data for Threespine Stickleback Collected During Non-lethal Sampling at Meliadine Lake, 2015 and 2017

Date (d/m/y)	Sampling Area	Gear	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Condition Factor	Age ^(a) (y)
14/8/2015	NF	Seine Net	ML15FHNFSN1400	ML15UNFTHST1002	32.6	0.227	0.66	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1025	40.2	0.638	0.98	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1026	42.6	0.705	0.91	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1027	52.5	1.465	1.01	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1028	41.6	0.683	0.95	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1029	31.4	0.177	0.57	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1030	47.0	1.053	1.01	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1031	43.9	0.812	0.96	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1032	47.8	0.978	0.90	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1033	50.0	1.578	1.26	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1034	47.1	1.044	1.00	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1035	44.0	0.807	0.95	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1036	30.2	0.186	0.67	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1037	68.0	2.443	0.78	2
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1039	48.0	0.736	0.67	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1040	31.2	0.273	0.90	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1041	36.3	0.323	0.67	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1042	35.0	0.358	0.83	1
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	ML15UNFTHST1043	35.5	0.282	0.63	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1091	33.4	0.352	0.95	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1092	39.9	0.564	0.88	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1093	42.7	0.652	0.84	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1094	41.6	0.656	0.91	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1095	32.2	0.212	0.64	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1096	33.0	0.244	0.68	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1097	40.3	0.631	0.96	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1098	45.3	0.761	0.82	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1099	46.8	0.870	0.85	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1100	45.2	0.824	0.89	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1101	41.8	0.629	0.86	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1102	26.7	-	-	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1103	32.8	0.261	0.74	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1104	35.9	0.386	0.83	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1105	41.3	0.607	0.86	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1106	47.6	1.098	1.02	1
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	ML15UNFTHST1107	45.2	0.799	0.86	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1117	46.9	1.077	1.04	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1121	46.2	1.066	1.08	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1137	37.7	0.459	0.86	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1150	38.9	0.455	0.78	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1163	43.9	0.768	0.91	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1164	44.3	0.773	0.89	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1166	50.1	1.070	0.85	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1167	39.4	0.612	1.00	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1168	42.0	0.737	1.00	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1169	44.7	0.805	0.90	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1170	39.8	0.682	1.08	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1171	44.2	0.872	1.01	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1172	37.3	0.380	0.73	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1173	47.7	1.035	0.95	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1174	45.0	0.653	0.72	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1175	49.4	0.929	0.77	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1176	47.5	1.042	0.97	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1177	45.0	0.864	0.95	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1178	41.7	0.632	0.87	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1179	36.8	0.385	0.77	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1180	44.2	0.958	1.11	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1181	37.7	0.412	0.77	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1182	44.6	0.831	0.94	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1183	45.1	0.864	0.94	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1184	39.5	0.476	0.77	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1185	47.0	1.024	0.98	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1187	45.3	0.669	0.72	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1188	39.7	0.492	0.78	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1189	47.2	0.817	0.78	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1190	48.5	0.874	0.77	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1191	36.3	0.398	0.83	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1192	37.6	0.384	0.72	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1193	44.2	0.711	0.83	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1194	38.0	0.456	0.83	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1195	42.2	0.566	0.75	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1196	35.9	0.429	0.93	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1197	35.2	0.415	0.95	1

Date (d/m/y)	Sampling Area	Gear	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Condition Factor	Age ^(a) (y)
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1203	44.0	0.837	0.98	1
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1206	35.6	0.340	0.75	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1224	44.9	0.680	0.75	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1225	33.1	0.320	0.88	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1226	40.6	0.481	0.72	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1227	37.2	0.384	0.75	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1228	29.6	0.217	0.84	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1229	47.1	0.912	0.87	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1230	46.4	0.796	0.80	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1231	42.8	0.515	0.66	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1232	46.3	0.916	0.92	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1234	34.9	0.332	0.78	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1255	55.7	1.421	0.82	2
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1256	47.6	0.919	0.85	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1257	50.4	0.937	0.73	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1258	50.2	1.166	0.92	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1263	44.0	0.734	0.86	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1264	48.4	1.071	0.94	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1265	41.3	0.699	0.99	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1266	45.0	0.832	0.91	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1267	43.7	0.853	1.02	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1268	32.7	0.293	0.84	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1269	49.7	0.951	0.78	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1273	46.8	0.972	0.95	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1275	42.3	0.707	0.94	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1276	41.3	0.673	0.96	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1277	42.1	0.785	1.06	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1278	41.9	0.732	1.00	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1279	46.5	0.909	0.90	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1280	36.1	0.399	0.85	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1282	53.8	1.138	0.73	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1283	33.0	0.240	0.67	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1284	47.2	0.971	0.92	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1285	47.2	0.865	0.82	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1286	52.1	1.319	0.93	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1287	49.3	0.937	0.78	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1288	45.5	0.918	0.98	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1289	42.4	0.669	0.88	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1290	36.8	0.387	0.78	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1291	35.4	0.386	0.87	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1292	53.9	1.375	0.88	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1293	44.8	0.827	0.92	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1294	41.6	0.647	0.90	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1295	42.4	0.489	0.64	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	ML15UNFTHST1296	31.0	0.283	0.95	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1297	54.1	1.453	0.92	2
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1298	58.1	1.755	0.89	2
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1299	46.9	0.953	0.92	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1300	47.0	0.785	0.76	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1301	55.2	1.463	0.87	2
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1302	56.3	1.557	0.87	2
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1303	52.1	1.291	0.91	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1304	54.8	1.595	0.97	2
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1305	48.9	0.952	0.81	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1306	36.2	0.378	0.80	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1307	41.8	0.529	0.73	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1308	43.7	0.806	0.97	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1309	45.5	0.769	0.82	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1310	41.4	0.702	0.99	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1311	41.9	0.841	1.15	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1312	44.8	0.802	0.89	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1313	43.2	0.689	0.85	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1315	49.0	1.023	0.87	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1316	43.1	0.586	0.73	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1317	37.8	0.516	0.96	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1318	37.3	0.492	0.95	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1319	48.3	0.989	0.88	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1320	47.5	0.863	0.81	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1321	44.6	0.707	0.80	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1322	45.2	0.718	0.78	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1323	57.4	1.583	0.84	2
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1324	45.8	1.178	1.23	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1325	44.7	0.677	0.76	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1327	56.2	1.458	0.82	2

Date (d/m/y)	Sampling Area	Gear	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Condition Factor	Age ^(a) (y)
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1328	51.3	0.986	0.73	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1329	57.3	1.994	1.06	2
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1330	44.7	0.844	0.94	1
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	ML15UNFTHST1331	38.1	0.422	0.76	1
9/8/2017	RA1	Minnow Trap	ML17FHRA1SN2400	ML17URA1THST2002	52.0	1.415	1.01	2
9/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	ML17URA1THST2003	62.0	1.637	0.69	2
9/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	ML17URA1THST2004	52.0	0.861	0.61	2
9/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2005	59.0	1.645	0.80	2
9/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2006	53.0	0.960	0.64	2
9/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2007	42.0	0.508	0.69	1
9/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2008	67.0	2.335	0.78	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2009	41.0	0.612	0.89	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2010	64.0	2.235	0.85	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2011	63.0	2.105	0.84	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2012	37.0	0.332	0.66	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2013	44.0	0.744	0.87	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2016	60.0	1.703	0.79	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2017	41.0	0.503	0.73	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2018	42.0	0.583	0.79	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2019	38.0	0.362	0.66	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2020	57.0	1.544	0.83	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2021	53.0	1.443	0.97	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2022	58.0	1.573	0.81	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2023	36.0	0.342	0.73	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2024	67.0	2.370	0.79	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2025	59.0	1.826	0.89	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2026	47.0	0.909	0.88	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2028	39.0	0.416	0.70	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2029	39.0	0.409	0.69	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2030	43.0	0.548	0.69	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2031	37.0	0.361	0.71	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2032	45.0	0.653	0.72	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2033	38.0	0.385	0.70	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2034	39.0	0.427	0.72	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2035	36.0	0.327	0.70	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2036	39.0	0.398	0.67	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2037	57.0	1.589	0.86	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2038	37.0	0.364	0.72	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2039	37.0	0.386	0.76	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2040	44.0	0.657	0.77	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2041	53.0	0.882	0.59	2
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2042	45.0	0.810	0.89	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2043	42.0	0.577	0.78	1
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	ML17URA1THST2044	36.0	0.326	0.70	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2201	ML17URA1THST2081	53.0	1.119	0.75	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2082	42.0	0.548	0.74	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2083	37.0	0.479	0.95	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2084	60.0	1.778	0.82	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2085	39.0	0.603	1.02	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2086	63.0	2.221	0.89	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2087	40.0	0.596	0.93	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2088	37.0	0.469	0.93	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2089	39.0	0.559	0.94	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2090	65.0	2.392	0.87	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2091	59.0	1.771	0.86	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2092	60.0	2.335	1.08	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2093	56.0	1.752	1.00	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2094	72.0	3.211	0.86	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2095	39.0	0.649	1.09	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2096	64.0	2.639	1.01	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2097	63.0	2.169	0.87	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2098	32.0	0.305	0.93	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2099	56.0	1.741	0.99	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2100	39.0	0.519	0.87	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2101	34.0	0.410	1.04	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2102	62.0	1.682	0.71	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2103	60.0	2.136	0.99	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2104	41.0	0.590	0.86	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2105	39.0	0.540	0.91	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2106	41.0	0.652	0.95	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2107	58.0	1.359	0.70	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2108	40.0	0.513	0.80	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2109	70.0	2.981	0.87	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2110	42.0	0.647	0.87	1

Date (d/m/y)	Sampling Area	Gear	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Condition Factor	Age ^(a) (y)
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2111	40.0	0.522	0.82	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2112	41.0	0.720	1.04	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2113	37.0	0.480	0.95	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2114	40.0	0.471	0.74	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2115	72.0	2.580	0.69	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2116	38.0	0.377	0.69	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2117	42.0	0.616	0.83	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2118	36.0	0.371	0.80	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2119	41.0	0.518	0.75	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2120	63.0	2.218	0.89	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2121	67.0	3.117	1.04	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2122	43.0	0.728	0.92	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2123	35.0	0.359	0.84	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2124	39.0	0.536	0.90	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2125	38.0	0.543	0.99	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2126	36.0	0.435	0.93	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2127	42.0	0.635	0.86	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2128	36.0	0.413	0.89	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2129	57.0	1.990	1.07	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2130	41.0	0.760	1.10	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2131	35.0	0.367	0.86	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2132	38.0	0.460	0.84	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2133	36.0	0.411	0.88	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2134	37.0	0.374	0.74	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2135	35.0	0.444	1.04	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2136	46.0	0.858	0.88	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2137	63.0	2.022	0.81	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2138	38.0	0.511	0.93	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2139	60.0	2.074	0.96	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2140	65.0	2.680	0.98	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2141	43.0	0.784	0.99	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2142	36.0	0.338	0.72	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2143	37.0	0.452	0.89	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2144	38.0	0.517	0.94	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2145	42.0	0.674	0.91	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2146	38.0	0.500	0.91	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2147	35.0	0.363	0.85	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2148	33.0	0.310	0.86	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2149	35.0	0.326	0.76	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2150	36.0	0.350	0.75	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2151	65.0	2.570	0.94	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2152	60.0	1.958	0.91	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2153	60.0	2.157	1.00	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2154	40.0	0.587	0.92	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2155	67.0	2.456	0.82	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2156	60.0	1.770	0.82	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2157	55.0	1.797	1.08	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2158	53.0	1.270	0.85	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2159	59.0	1.418	0.69	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2160	31.0	0.350	1.17	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2161	61.0	2.246	0.99	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2162	66.0	2.281	0.79	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2163	45.0	0.697	0.76	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2164	38.0	0.412	0.75	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2165	39.0	0.557	0.94	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2166	43.0	0.708	0.89	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2167	69.0	2.342	0.71	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2168	60.0	1.946	0.90	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2169	37.0	0.513	1.01	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2170	62.0	1.877	0.79	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2171	66.0	2.670	0.93	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2172	38.0	0.512	0.93	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2173	36.0	0.415	0.89	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2174	42.0	0.695	0.94	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2175	33.0	0.312	0.87	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2176	40.0	0.511	0.80	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2177	38.0	0.526	0.96	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2179	61.0	2.420	1.07	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2180	38.0	0.529	0.96	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2181	34.0	0.397	1.01	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2182	36.0	0.358	0.77	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2183	64.0	2.110	0.80	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2184	44.0	0.804	0.94	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2185	61.0	1.841	0.81	2

Date (d/m/y)	Sampling Area	Gear	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Condition Factor	Age ^(a) (y)
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2186	42.0	0.618	0.83	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2187	42.0	0.612	0.83	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2188	35.0	0.379	0.88	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2189	37.0	0.400	0.79	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2190	35.0	0.328	0.77	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2191	37.0	0.392	0.77	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2192	39.0	0.399	0.67	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2193	39.0	0.518	0.87	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2194	38.0	0.514	0.94	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2195	39.0	0.472	0.80	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2196	35.0	0.394	0.92	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2197	38.0	0.467	0.85	1
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2198	48.0	0.874	0.79	2
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	ML17URA1THST2199	40.0	0.482	0.75	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2200	37.0	0.479	0.95	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2201	32.0	0.267	0.81	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2202	45.0	0.673	0.74	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2203	34.0	0.374	0.95	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2204	33.0	0.309	0.86	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2205	34.0	0.342	0.87	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2206	36.0	0.376	0.81	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2207	32.0	0.266	0.81	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2208	34.0	0.338	0.86	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2209	41.0	0.497	0.72	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2210	33.0	0.302	0.84	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2211	36.0	0.294	0.63	1
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2301	ML17URA1THST2212	41.0	0.450	0.65	1
11/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	ML17URA1THST2235	55.0	1.549	0.93	2
11/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	ML17URA1THST2236	53.0	1.557	1.05	2
11/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	ML17URA1THST2241	40.0	0.495	0.77	1
11/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	ML17URA1THST2242	44.0	0.563	0.66	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2306	ML17URA1THST2274	55.0	1.426	0.86	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2306	ML17URA1THST2275	65.0	2.392	0.87	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2306	ML17URA1THST2276	56.0	1.858	1.06	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2306	ML17URA1THST2277	38.0	0.587	1.07	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2278	65.0	2.932	1.07	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2280	64.0	2.090	0.80	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2281	58.0	1.651	0.85	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2282	53.0	1.579	1.06	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2283	57.0	1.479	0.80	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2284	62.0	1.955	0.82	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2286	60.0	1.757	0.81	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2287	52.0	1.725	1.23	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2288	75.0	3.510	0.83	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2289	63.0	2.438	0.98	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2290	66.0	2.033	0.71	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2291	52.0	0.951	0.68	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2292	65.0	2.209	0.80	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2293	46.0	0.919	0.94	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2294	60.0	1.742	0.81	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2295	53.0	1.050	0.71	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2297	40.0	0.478	0.75	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2298	58.0	1.488	0.76	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2299	52.0	1.126	0.80	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2300	60.0	1.996	0.92	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2301	54.0	1.140	0.72	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2302	60.0	1.843	0.85	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2303	45.0	0.678	0.74	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2304	52.0	1.070	0.76	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2305	64.0	1.980	0.76	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2307	65.0	2.407	0.88	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2308	38.0	0.442	0.81	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2310	41.0	0.500	0.73	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2311	62.0	2.033	0.85	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2312	57.0	1.712	0.92	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2313	44.0	0.605	0.71	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2314	56.0	1.462	0.83	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2315	69.0	2.711	0.83	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2316	56.0	1.524	0.87	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2318	62.0	1.825	0.77	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2319	69.0	2.444	0.74	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2320	44.0	0.688	0.81	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2321	38.0	0.417	0.76	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2322	37.0	0.419	0.83	1

Date (d/m/y)	Sampling Area	Gear	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Condition Factor	Age ^(a) (y)
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2323	57.0	1.742	0.94	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2324	45.0	0.750	0.82	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2325	56.0	1.255	0.71	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2326	55.0	1.201	0.72	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2327	55.0	1.357	0.82	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2328	45.0	0.796	0.87	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2329	51.0	1.164	0.88	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2330	51.0	1.178	0.89	2
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2331	43.0	0.472	0.59	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2332	47.0	0.834	0.80	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2333	42.0	0.578	0.78	1
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2334	43.0	0.558	0.70	1
13/8/2017	RA1	Minnow Trap	ML17FHRA1MT2307	ML17URA1THST2358	31.0	0.408	1.37	1
13/8/2017	RA1	Minnow Trap	ML17FHRA1MT2307	ML17URA1THST2359	38.0	0.519	0.95	1
13/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2360	63.0	2.170	0.87	2
13/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2361	51.0	1.018	0.77	2
13/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	ML17URA1THST2362	60.0	1.826	0.85	2
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	ML17URA2THST3016	33.0	0.264	0.74	1
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	ML17URA2THST3022	30.0	0.175	0.65	1
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	ML17URA2THST3023	45.0	0.697	0.76	1
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	ML17URA2THST3024	43.0	0.765	0.96	1
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	ML17URA2THST3027	53.0	0.762	0.51	2
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	ML17URA2THST3028	35.0	0.235	0.55	1
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	ML17URA2THST3029	41.0	0.435	0.63	1
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	ML17URA2THST3030	41.0	0.434	0.63	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3056	52.0	1.115	0.79	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3057	60.0	1.738	0.80	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3059	52.0	1.593	1.13	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3060	54.0	1.036	0.66	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3061	57.0	1.310	0.71	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3062	54.0	1.391	0.88	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3063	57.0	1.577	0.85	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3064	50.0	0.865	0.69	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3065	57.0	1.453	0.78	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3066	60.0	1.936	0.90	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3067	56.0	1.460	0.83	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3068	54.0	1.575	1.00	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3069	61.0	1.610	0.71	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3070	55.0	1.532	0.92	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3071	68.0	2.433	0.77	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3072	52.0	1.164	0.83	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3073	60.0	1.593	0.74	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3074	59.0	1.435	0.70	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3075	45.0	1.150	1.26	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3076	60.0	1.515	0.70	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3077	51.0	0.957	0.72	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3078	55.0	1.590	0.96	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3079	52.0	1.214	0.86	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3080	61.0	1.990	0.88	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3081	58.0	1.709	0.88	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3082	66.0	2.433	0.85	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	ML17URA2THST3083	45.0	0.799	0.88	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3085	44.0	0.502	0.59	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3086	60.0	1.563	0.72	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3087	60.0	1.668	0.77	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3088	39.0	0.405	0.68	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3089	39.0	0.476	0.80	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3090	43.0	0.477	0.60	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3092	40.0	0.541	0.85	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3093	40.0	0.529	0.83	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3094	44.0	0.686	0.81	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3095	65.0	1.936	0.70	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3096	43.0	0.553	0.70	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3097	48.0	0.781	0.71	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3098	62.0	2.063	0.87	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3099	45.0	0.681	0.75	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3100	54.0	1.227	0.78	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3101	36.0	0.442	0.95	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3102	54.0	1.393	0.88	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3104	39.0	0.392	0.66	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3105	41.0	0.462	0.67	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3106	58.0	1.699	0.87	2
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3107	40.0	0.428	0.67	1
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3108	40.0	0.390	0.61	1

Date (d/m/y)	Sampling Area	Gear	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Condition Factor	Age ^(a) (y)
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3129	55.0	1.719	1.03	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3130	60.0	2.114	0.98	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3131	50.0	1.188	0.95	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3145	46.0	0.598	0.61	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3146	32.0	0.208	0.63	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3147	39.0	0.441	0.74	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3148	42.0	0.503	0.68	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3149	37.0	0.378	0.75	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3150	39.0	0.406	0.68	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3151	39.0	0.384	0.65	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3152	45.0	0.573	0.63	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3153	39.0	0.517	0.87	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3154	43.0	0.588	0.74	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3155	40.0	0.425	0.66	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	ML17URA2THST3156	54.0	1.435	0.91	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3158	49.0	1.074	0.91	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3159	67.0	2.312	0.77	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3160	61.0	2.017	0.89	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3161	58.0	1.600	0.82	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3162	59.0	1.552	0.76	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3163	60.0	1.739	0.81	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3164	58.0	1.724	0.88	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3165	37.0	0.288	0.57	1
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3166	55.0	1.389	0.83	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3167	54.0	1.507	0.96	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3168	58.0	1.440	0.74	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3169	65.0	2.004	0.73	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3170	60.0	1.609	0.74	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3171	70.0	3.237	0.94	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3172	60.0	1.789	0.83	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3173	62.0	2.206	0.93	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3174	61.0	1.951	0.86	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3175	63.0	2.088	0.84	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3176	62.0	2.015	0.85	2
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	ML17URA2THST3177	54.0	1.209	0.77	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3182	49.4	1.073	0.89	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3199	35.0	0.475	1.11	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3200	37.0	0.525	1.04	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3201	56.0	1.394	0.79	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3202	54.0	1.318	0.84	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3203	66.0	2.422	0.84	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3204	64.0	1.839	0.70	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3205	55.0	1.525	0.92	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3208	53.0	0.739	0.50	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3209	46.0	0.946	0.97	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3211	58.0	1.666	0.85	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3212	59.0	1.573	0.77	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3213	64.0	1.923	0.73	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3214	56.0	1.463	0.83	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3215	52.0	1.196	0.85	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3216	61.0	2.321	1.02	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3217	45.0	0.820	0.90	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3218	59.0	2.149	1.05	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3219	57.0	1.825	0.99	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3220	50.0	1.003	0.80	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3221	50.0	1.228	0.98	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3222	51.0	1.124	0.85	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3223	57.0	1.593	0.86	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	ML17URA2THST3224	54.0	1.349	0.86	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3225	64.0	2.273	0.87	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3226	58.0	1.521	0.78	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3227	48.0	0.925	0.84	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3228	54.0	1.384	0.88	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3229	55.0	1.502	0.90	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3230	48.0	0.869	0.79	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3231	36.0	0.536	1.15	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3232	58.0	1.427	0.73	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3233	62.0	2.200	0.92	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3234	62.0	2.007	0.84	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3235	60.0	1.888	0.87	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3236	55.0	1.225	0.74	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3237	49.0	0.997	0.85	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3238	69.0	2.609	0.79	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3239	68.0	2.567	0.82	2

Date (d/m/y)	Sampling Area	Gear	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Condition Factor	Age ^(a) (y)
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3240	65.0	2.987	1.09	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3241	55.0	1.516	0.91	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3242	56.0	1.626	0.93	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3243	59.0	1.568	0.76	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3244	55.0	1.311	0.79	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3245	69.0	2.690	0.82	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3246	61.0	2.140	0.94	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3247	56.0	1.496	0.85	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3248	51.0	1.147	0.86	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3249	56.0	1.516	0.86	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3250	68.0	2.288	0.73	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3251	64.0	1.968	0.75	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3252	63.0	2.111	0.84	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3253	50.0	1.032	0.83	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3254	41.0	0.525	0.76	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3255	57.0	1.642	0.89	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3256	58.0	1.783	0.91	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3257	68.0	2.546	0.81	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3304	ML17URA2THST3258	63.0	2.208	0.88	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3260	58.0	1.580	0.81	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3261	56.0	1.714	0.98	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3262	70.0	2.855	0.83	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3263	65.0	2.488	0.91	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3264	68.0	2.669	0.85	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3265	50.0	1.131	0.90	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3266	42.0	0.479	0.65	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3267	56.0	1.326	0.76	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3268	64.0	2.467	0.94	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3269	62.0	1.800	0.76	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3270	64.0	2.549	0.97	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3271	51.0	1.330	1.00	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3272	68.0	2.619	0.83	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3273	65.0	2.770	1.01	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3274	59.0	1.847	0.90	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3277	54.0	1.191	0.76	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3278	68.0	2.794	0.89	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3279	60.0	1.509	0.70	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3280	63.0	2.197	0.88	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3281	57.0	1.538	0.83	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3282	70.0	2.851	0.83	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3284	55.0	1.515	0.91	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3285	54.0	1.632	1.04	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3286	44.0	0.535	0.63	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3287	56.0	1.479	0.84	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3288	60.0	1.758	0.81	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3289	56.0	1.545	0.88	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3290	64.0	2.282	0.87	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3292	60.0	2.059	0.95	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3293	65.0	2.105	0.77	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3294	66.0	2.545	0.89	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3295	63.0	2.077	0.83	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3296	57.0	1.792	0.97	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3297	68.0	2.668	0.85	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3298	59.0	1.864	0.91	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3299	60.0	1.607	0.74	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3300	52.0	1.362	0.97	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3301	60.0	1.769	0.82	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3302	68.0	2.887	0.92	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3303	66.0	2.670	0.93	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3304	56.0	1.375	0.78	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3305	66.0	2.438	0.85	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3306	72.0	2.924	0.78	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3307	74.0	3.233	0.80	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3308	59.0	1.746	0.85	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3309	59.0	1.749	0.85	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3310	44.0	0.578	0.68	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3311	63.0	2.096	0.84	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3312	69.0	2.607	0.79	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3313	56.0	1.480	0.84	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3314	59.0	1.792	0.87	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3315	64.0	2.055	0.78	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3316	60.0	1.960	0.91	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3317	66.0	2.493	0.87	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3318	60.0	1.737	0.80	2

Date (d/m/y)	Sampling Area	Gear	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Condition Factor	Age ^(a) (y)
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3319	62.0	1.820	0.76	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3320	55.0	1.557	0.94	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3321	65.0	2.024	0.74	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3322	54.0	1.486	0.94	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3323	68.0	2.390	0.76	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3324	66.0	2.609	0.91	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3325	55.0	1.402	0.84	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3326	49.0	0.894	0.76	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3327	42.0	0.567	0.77	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3328	60.0	2.068	0.96	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3331	43.0	0.859	1.08	1
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3332	68.0	2.821	0.90	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3333	58.0	1.595	0.82	2
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	ML17URA2THST3334	40.0	0.673	1.05	1

a) Designated based on length-frequency distributions.
d = day; m = month; y = year; NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mm = millimetre; g = gram; - = not recorded or not applicable.

6B-2: Fish Health Data for Bycatch Captured During Non-lethal Sampling at Meliadine Lake, 2015 and 2017

Date (d/m/y)	Sampling Area	Gear	Effort Number	Species	FIN Number	Fork Length (mm)	Total Length (mm)	Total Weight (g)	Condition Factor
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	NNST	ML15FNFNNST038	-	32.5	0.205	0.60
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	SLSC	ML15FNFSLSC044	-	79.0	4.587	0.93
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	LKTR	ML15FNFLKTR045	48.0	50.0	0.611	0.49
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	LKTR	ML15FNFLKTR046	43.0	45.0	0.487	0.53
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	LKTR	ML15FNFLKTR047	48.0	50.0	0.537	0.43
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	LKTR	ML15FNFLKTR048	46.0	48.0	0.883	0.80
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	SLSC	ML15FNFSLSC049	-	42.0	0.543	0.73
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	LKTR	ML15FNFLKTR050	46.0	48.0	0.621	0.56
14/8/2015	NF	Electrofishing	ML15FHNFBP1000	NNST	ML15FNFNNST051	-	46.0	0.572	0.59
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	NNST	ML15FNFNNST090	-	56.7	1.175	0.64
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	RNWH	ML15FNFRNWH109	105	112	7.303	0.52
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	LKTR	ML15FNFLKTR110	93.0	101	6.810	0.66
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	SLSC	ML15FNFSLSC111	-	66.0	3.339	1.16
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	SLSC	ML15FNFSLSC112	-	71.0	3.821	1.07
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	SLSC	ML15FNFSLSC113	-	63.0	2.116	0.85
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	SLSC	ML15FNFSLSC114	-	64.0	2.617	1.00
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	SLSC	ML15FNFSLSC115	-	57.0	1.906	1.03
15/8/2015	NF	Electrofishing	ML15FHNFBP1001	SLSC	ML15FNFSLSC116	-	73.0	3.893	1.00
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST118	-	54.1	1.076	0.68
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST136	-	55.3	1.166	0.69
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	CISC	ML15FNF CISC141	96.0	103	6.984	0.64
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST147	-	52.0	0.945	0.67
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST148	-	46.7	0.731	0.72
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST151	-	49.8	0.731	0.59
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST165	-	49.4	0.692	0.57
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST186	-	49.6	0.736	0.60
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST204	-	53.8	1.049	0.67
16/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST205	-	48.9	0.807	0.69
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	BURB	ML15FNF BURB217	-	150	-	-
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST219	-	55.8	1.019	0.59
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST233	-	53.9	0.946	0.61
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	NNST	ML15FNFNNST240	-	62.3	1.386	0.57
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST270	-	53.5	0.886	0.58
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST271	-	48.4	0.869	0.77
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST272	-	54.1	0.751	0.47
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST274	-	50.5	0.844	0.65
17/8/2015	NF	Minnow Trap	ML15FHNFMT1300	NNST	ML15FNFNNST281	-	51.1	0.947	0.71
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	NNST	ML15FNFNNST314	-	49.4	0.677	0.56
17/8/2015	NF	Minnow Trap	ML15FHNFMT1301	NNST	ML15FNFNNST326	-	49.6	0.774	0.63
17/8/2015	NF	Gill Net	ML15FHNFGN1601	LKWH	ML15FNFLKWH365	429	472	1190	1.13
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	RNWH	ML17URA1RNWH2014	45.0	-	0.664	0.73
9/8/2017	RA1	Electrofishing	ML17FHRA1BP2000	RNWH	ML17URA1RNWH2015	39.0	-	0.366	0.62
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	RNWH	ML17URA1RNWH2045	188	-	55.04	0.83
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	RNWH	ML17URA1RNWH2046	151	-	24.78	0.72
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	RNWH	ML17URA1RNWH2047	90.0	-	4.960	0.68
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	LKTR	ML17URA1LKTR2048	40.0	-	0.460	0.72
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	SLSC	ML17URA1SLSC2049	-	38.0	0.510	0.93
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	LKTR	ML17URA1LKTR2050	45.0	-	0.640	0.70
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	LKTR	ML17URA1LKTR2051	44.0	-	0.660	0.77
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	LKTR	ML17URA1LKTR2052	37.0	-	0.260	0.51
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	LKTR	ML17URA1LKTR2053	47.0	-	0.710	0.68
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	LKTR	ML17URA1LKTR2054	46.0	-	0.660	0.68
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	RNWH	ML17URA1RNWH2055	44.0	-	0.580	0.68
9/8/2017	RA1	Seine Net	ML17FHRA1SN2400	LKTR	ML17URA1LKTR2056	49.0	-	0.670	0.57
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	NNST	ML17URA1NNST2076	-	54.6	0.890	0.55
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	NNST	ML17URA1NNST2077	-	57.1	1.132	0.61
10/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	LKTR	ML17URA1LKTR2080	-	82.0	6.087	1.10
10/8/2017	RA1	Hoop Net	ML17FHRA1HP2200	NNST	ML17URA1NNST2178	-	49.0	0.829	0.70
11/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	NNST	ML17URA1NNST2237	-	57.0	0.809	0.44
11/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	NNST	ML17URA1NNST2238	-	62.0	0.963	0.40
11/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	NNST	ML17URA1NNST2243	-	52.0	0.856	0.61
11/8/2017	RA1	Minnow Trap	ML17FHRA1MT2302	NNST	ML17URA1NNST2244	-	55.0	0.931	0.56
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2306	NNST	ML17URA1NNST2272	-	52.0	0.923	0.66
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2306	NNST	ML17URA1NNST2273	-	51.0	1.282	0.97
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	NNST	ML17URA1NNST2279	-	59.0	1.522	0.74
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	NNST	ML17URA1NNST2285	-	62.0	1.751	0.73
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	NNST	ML17URA1NNST2296	-	56.0	0.883	0.50
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	NNST	ML17URA1NNST2306	-	54.0	0.836	0.53
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	NNST	ML17URA1NNST2309	-	59.0	0.998	0.49
12/8/2017	RA1	Minnow Trap	ML17FHRA1MT2305	NNST	ML17URA1NNST2317	-	55.0	0.863	0.52
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	NNST	ML17URA2NNST3017	-	57.0	1.047	0.57
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	BURB	ML17URA2BURB3018	-	30.0	0.118	0.44
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	BURB	ML17URA2BURB3019	-	29.0	0.133	0.54
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	NNST	ML17URA2NNST3020	-	51.0	0.696	0.52
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	NNST	ML17URA2NNST3021	-	61.0	0.983	0.43
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	NNST	ML17URA2NNST3025	-	52.0	0.783	0.56
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	NNST	ML17URA2NNST3026	-	52.0	0.653	0.46
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	NNST	ML17URA2NNST3031	-	55.0	1.008	0.61
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	NNST	ML17URA2NNST3032	-	37.0	0.372	0.73
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	NNST	ML17URA2NNST3033	-	32.0	0.193	0.59
14/8/2017	RA2	Electrofishing	ML17FHRA2BP3000	NNST	ML17URA2NNST3034	-	35.0	0.280	0.65
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	NNST	ML17URA2NNST3058	-	56.0	0.848	0.48
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	NNST	ML17URA2NNST3084	-	55.0	0.861	0.52
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	BURB	ML17URA2BURB3091	-	84.0	2.790	0.47
15/8/2017	RA2	Minnow Trap	ML17FHRA2MT3301	NNST	ML17URA2NNST3103	-	58.0	0.876	0.45
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	NNST	ML17URA2NNST3111	-	57.0	1.158	0.63
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	NNST	ML17URA2NNST3112	-	49.0	0.728	0.62
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3300	NNST	ML17URA2NNST3113	-	60.0	1.430	0.66
16/8/2017	RA2	Minnow Trap	ML17FHRA2MT3302	NNST	ML17URA2NNST3157	-	53.0	0.789	0.53
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	NNST	ML17URA2NNST3206	-	60.0	1.150	0.53
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	NNST	ML17URA2NNST3207	-	52.0	1.773	1.26
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3303	NNST	ML17URA2NNST3210	-	62.0	1.349	0.57
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	NNST	ML17URA2NNST3259	-	53.0	0.928	0.62
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	NNST	ML17URA2NNST3275	-	50.0	0.740	0.59
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	NNST	ML17URA2NNST3276	-	55.0	0.964	0.58
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	NNST	ML17URA2NNST3283	-	63.0	1.493	0.60
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	NNST	ML17URA2NNST3291	-	65.0	1.376	0.50
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	NNST	ML17URA2NNST3329	-	69.0	1.392	0.42
17/8/2017	RA2	Minnow Trap	ML17FHRA2MT3305	NNST	ML17URA2NNST3330	-	53.0	0.903	0.61

d = day; m = month; y = year; NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; NNST = Ninespine Stickleback; RNWH = Round Whitefish; LKTR = Lake Trout; SLSC = Slimy Sculpin; CISC = Cisco; BURB = Burbot; mm = millimetre; g = gram; - = not recorded or not applicable.

Table 6B-3: Fish Health Data for Threespine Stickleback Lethally Sampled From Meliadine Lake, 2015 and 2017

Date (d/m/y)	Sampling Area	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Carcass Weight (g)	Parasite Weight ^(b) (g)	Condition Factor	Age ^(c)	Sex	Life Stage	Maturity ^(d)	Liver Weight (g)	Gonad Weight (g)	Fecundity	Mean Egg Weight (mg)	Mean Egg Diameter (µm)
14/8/2015	NF	ML15FHNFSN1400	ML15UNFTHST1001	49.7	0.888	0.634	0.117	0.72	1	M	J	21	0.022	0.005	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1003	68.0	2.502	1.784	0.294	0.79	2	F	A	13	0.094	0.089	1581	0.056	416
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1004	45.3	0.881	0.523	0.263	0.95	1	F	J	11	0.017	0.007	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1005	47.6	1.173	0.682	0.357	1.09	1	M	A	22	0.025	0.008	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1006	62.2	2.084	1.527	0.290	0.87	2	F	A	12	0.059	0.023	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1007	47.6	1.021	0.625	0.262	0.95	1	U	J	01	0.022	0.002	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1009	54.5	1.362	0.905	0.259	0.84	2	M	A	22	0.032	0.025	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1010	64.6	2.482	1.754	0.419	0.92	2	M	A	24	0.063	0.017	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1012	44.2	0.742	0.523	0.121	0.86	1	M	J	21	0.020	0.002	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1013	47.3	0.958	0.594	0.243	0.90	1	F	J	11	0.016	0.008	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1014	46.5	0.833	0.518	0.206	0.83	1	F	J	11	0.013	0.008	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1016	63.5	1.910	1.561	-	0.75	2	F	A	15	0.060	0.072	906	0.079	387
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1017	53.1	1.610	1.038	0.357	1.08	1	F	A	12	0.040	0.013	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1019	47.2	0.950	0.570	0.288	0.91	1	M	J	21	0.012	0.007	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1020	56.3	1.674	0.970	0.485	0.94	2	F	A	17	0.031	0.017	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1022	59.6	2.027	1.356	0.449	0.96	2	F	A	17	0.036	0.019	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1023	55.7	1.770	1.127	0.439	1.02	2	M	A	25	0.028	0.005	-	-	-
14/8/2015	NF	ML15FHNFBP1000	ML15UNFTHST1024	53.9	1.305	0.885	0.267	0.83	1	F	A	12	0.030	0.014	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1052	59.9	2.009	1.279	0.453	0.93	2	F	A	12	0.041	0.057	680	0.084	452
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1053	47.1	0.919	0.594	0.195	0.88	1	F	J	11	0.019	0.006	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1054	42.3	0.694	0.442	0.139	0.92	1	F	J	11	0.015	0.005	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1055	45.3	0.856	0.553	0.180	0.92	1	F	J	11	0.020	0.009	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1057	39.5	0.604	0.370	0.150	0.98	1	F	J	11	0.016	0.005	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1058	44.4	0.771	0.498	0.161	0.88	1	F	J	11	0.023	0.006	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1059	46.0	0.846	0.533	0.215	0.87	1	F	J	11	0.016	0.006	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1062	60.6	2.045	1.340	0.346	0.92	2	F	A	12	0.053	0.036	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1065	60.8	1.914	1.382	0.253	0.85	2	F	A	13	0.036	0.017	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1067 ^(a)	64.8	2.497	1.691	0.416	0.92	2	F	A	23	0.066	0.074	766	0.096	471
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1068 ^(a)	54.1	1.463	1.004	0.251	0.92	2	F	A	17	0.036	0.020	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1069	45.2	0.908	0.530	0.248	0.99	1	F	J	11	0.016	0.006	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1070	55.3	1.091	0.872	-	0.65	2	F	A	15	0.038	0.050	851	0.058	419
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1071	46.4	0.934	0.639	0.154	0.93	1	M	J	21	0.019	0.006	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1072	42.8	0.735	0.442	0.190	0.94	1	F	J	11	0.015	0.008	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1073	47.2	0.971	0.642	0.196	0.92	1	M	J	21	0.020	-	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1074	43.4	0.703	0.444	0.150	0.86	1	F	J	11	0.016	0.008	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1075	43.8	0.722	0.460	0.166	0.86	1	F	J	11	0.016	0.007	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1076	58.1	1.861	1.210	0.411	0.95	2	F	A	17	0.029	0.024	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1080	48.3	0.948	0.948	0.244	0.84	1	F	J	11	0.014	0.008	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1081	43.7	0.702	0.431	0.177	0.84	1	F	J	11	0.010	0.003	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1084	57.4	1.794	1.294	0.262	0.95	2	F	A	12	0.043	0.041	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1085	56.5	1.665	1.147	0.292	0.93	2	F	A	17	0.035	0.020	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1086	46.1	0.771	0.547	0.133	0.79	1	F	J	11	0.013	0.008	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1087	47.4	1.107	0.697	0.254	1.04	1	M	J	21	0.029	0.007	-	-	-

Date (d/m/y)	Sampling Area	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Carcass Weight (g)	Parasite Weight ^(b) (g)	Condition Factor	Age ^(c)	Sex	Life Stage	Maturity ^(d)	Liver Weight (g)	Gonad Weight (g)	Fecundity	Mean Egg Weight (mg)	Mean Egg Diameter (µm)
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1088	46.8	1.255	0.641	0.458	1.22	1	F	J	11	0.020	0.012	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1089	54.6	1.392	1.030	0.203	0.85	2	F	A	17	0.024	0.017	-	-	-
15/8/2015	NF	ML15FHNFBP1001	ML15UNFTHST1108	45.1	0.849	0.537	0.201	0.92	1	M	J	21	0.021	0.005	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1119 ^(a)	63.9	2.478	1.688	0.431	0.95	2	F	A	12	0.060	0.061	551	0.110	462
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1120	46.7	0.997	0.672	0.166	0.98	1	F	J	11	0.026	0.008	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1122 ^(a)	65.2	2.154	1.854	-	0.78	2	M	A	24	0.074	0.016	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1123 ^(a)	66.0	2.999	2.230	0.328	1.05	2	M	A	24	0.078	0.020	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1124 ^(a)	68.6	2.967	2.110	0.370	0.92	2	F	A	13	0.097	0.096	1230	0.078	456
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1125 ^(a)	66.5	2.507	1.864	0.294	0.85	2	M	A	24	0.068	0.015	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1126 ^(a)	70.6	3.076	2.498	-	0.87	2	F	A	15	0.108	0.125	1199	0.104	462
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1127 ^(a)	70.3	2.945	1.925	-	0.85	2	F	A	14	0.128	0.582	143	4.076	1746
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1128	49.1	1.158	0.666	0.374	0.98	1	F	J	11	0.024	0.009	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1129 ^(a)	60.1	2.010	1.425	0.341	0.93	2	M	A	23	0.036	0.016	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1138	48.8	1.169	0.739	0.278	1.01	1	F	J	11	0.039	0.012	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1139	52.0	1.197	0.881	0.148	0.85	1	F	A	17	0.033	0.013	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1140	68.7	3.123	2.144	0.385	0.97	2	F	A	14	0.077	0.308	1790	0.172	657
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1142	53.7	1.363	0.915	0.285	0.88	1	F	A	17	0.032	0.015	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1143	45.2	0.886	0.573	0.154	0.96	1	F	J	11	0.025	0.007	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1144	40.7	0.694	0.423	0.212	1.03	1	U	J	01	0.011	-	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1145	41.0	0.633	0.515	0.009	0.92	1	U	J	01	0.019	-	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1146	52.3	1.097	0.872	-	0.77	1	F	A	12	0.040	0.019	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1149	49.7	0.941	0.793	-	0.77	1	M	J	21	0.026	0.022	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1152	46.1	0.863	0.546	0.181	0.88	1	F	J	11	0.013	0.009	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1153	48.0	0.955	0.643	0.197	0.86	1	M	J	21	0.019	0.009	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1154	48.4	1.031	0.670	0.232	0.91	1	U	J	01	0.019	0.007	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1155	49.3	0.976	0.634	0.212	0.81	1	M	J	21	0.015	0.011	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1156	40.1	0.556	0.353	0.119	0.86	1	F	J	11	0.010	0.001	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1162	47.2	0.831	0.599	0.109	0.79	1	F	J	11	0.018	0.009	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1198	61.0	2.098	1.443	0.288	0.92	2	F	A	12	0.058	0.048	893	0.053	342
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1199	62.5	2.074	1.743	-	0.85	2	M	A	23	0.064	0.009	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1200	60.2	1.824	1.500	-	0.84	2	M	A	23	0.060	0.030	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1201	58.4	1.806	1.346	0.239	0.91	2	M	A	25	0.033	0.006	-	-	-
16/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1202	59.0	1.638	1.359	-	0.80	2	M	A	25	0.060	0.009	-	-	-
17/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1215	62.0	2.207	1.624	0.308	0.93	2	M	A	23	0.067	0.018	-	-	-
17/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1216	61.7	1.903	1.308	0.341	0.81	2	F	A	12	0.035	0.047	786	0.060	440
17/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1218	63.3	2.182	1.567	0.292	0.86	2	F	A	13	0.048	0.060	952	0.063	440
17/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1220	58.1	1.517	1.284	0.002	0.77	2	M	A	23	0.041	0.011	-	-	-
17/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1221	55.6	1.624	1.102	0.300	0.94	2	F	A	12	0.055	0.026	-	-	-
17/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1222	68.6	2.989	2.301	-	0.93	2	F	A	15	0.141	0.188	888	0.211	693
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1223	71.4	2.974	2.091	0.374	0.82	2	F	A	16	0.096	0.100	1257	0.080	410
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1235	69.7	2.806	1.976	0.377	0.83	2	F	A	16	0.070	0.141	1333	0.106	454
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1237	63.5	2.411	1.570	0.448	0.94	2	F	A	13	0.067	0.081	1090	0.074	450
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1239	62.1	2.620	2.089	0.195	1.09	2	M	A	22	0.071	0.015	-	-	-
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1241	72.1	3.162	2.503	-	0.84	2	F	A	16	0.148	0.125	1054	0.118	621

Date (d/m/y)	Sampling Area	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Carcass Weight (g)	Parasite Weight ^(b) (g)	Condition Factor	Age ^(c)	Sex	Life Stage	Maturity ^(d)	Liver Weight (g)	Gonad Weight (g)	Fecundity	Mean Egg Weight (mg)	Mean Egg Diameter (µm)
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1243	66.9	2.455	1.989	-	0.82	2	F	A	16	0.086	0.115	919	0.125	506
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1244	61.7	2.471	1.805	0.280	1.05	2	M	A	24	0.072	0.019	-	-	-
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1246	63.0	2.503	1.885	0.270	1.00	2	M	A	24	0.075	0.016	-	-	-
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1247	60.1	1.736	1.237	0.347	0.80	2	F	A	12	0.013	0.021	-	-	-
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1249	63.5	2.408	1.787	-	0.94	2	M	A	24	0.087	0.016	-	-	-
17/8/2015	NF	ML15FHNFMT1301	ML15UNFTHST1250	62.1	1.940	1.461	0.229	0.81	2	F	A	12	0.048	0.044	687	0.064	413
17/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1252	59.8	1.788	1.492	-	0.84	2	M	A	25	0.078	0.008	-	-	-
17/8/2015	NF	ML15FHNFMT1300	ML15UNFTHST1253	56.9	1.696	1.160	0.076	0.92	2	F	A	14	0.054	0.265	1076	0.246	792
9/8/2017	RA1	ML17FHRA1MT2300	ML17URA1THST2000	64.4	2.425	1.459	0.661	0.91	2	F	A	17	0.051	0.031	-	-	-
9/8/2017	RA1	ML17FHRA1SN2400	ML17URA1THST2001	63.6	2.163	1.621	0.280	0.84	2	F	A	12	0.056	0.045	859	0.053	430
10/8/2017	RA1	ML17FHRA1MT2300	ML17URA1THST2057	62.9	1.938	1.454	0.273	0.78	2	M	A	22	0.058	0.018	-	-	-
10/8/2017	RA1	ML17FHRA1MT2300	ML17URA1THST2058	42.1	0.825	0.425	0.338	1.10	1	U	J	01	0.008	0.001	-	-	-
10/8/2017	RA1	ML17FHRA1MT2300	ML17URA1THST2059	59.3	1.926	1.238	0.451	0.92	2	M	A	24	0.024	0.010	-	-	-
10/8/2017	RA1	ML17FHRA1MT2300	ML17URA1THST2060	70.1	3.001	2.208	0.312	0.87	2	F	A	16	0.058	0.091	481	0.190	423
10/8/2017	RA1	ML17FHRA1MT2300	ML17URA1THST2061	36.2	0.323	0.263	0.025	0.68	1	U	J	01	0.006	-	-	-	-
10/8/2017	RA1	ML17FHRA1MT2300	ML17URA1THST2062	67.5	2.633	1.968	0.355	0.86	2	M	A	22	0.051	0.021	-	-	-
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2063	60.6	1.875	1.143	0.517	0.84	2	F	A	17	0.021	0.025	-	-	-
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2064	66.4	2.714	1.881	0.559	0.93	2	M	A	25	0.048	0.023	-	-	-
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2065	56.7	1.252	0.993	0.121	0.69	2	F	A	17	0.021	0.020	-	-	-
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2066	60.5	2.312	1.570	0.528	1.04	2	M	A	22	0.036	0.010	-	-	-
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2067	40.7	0.448	0.388	-	0.67	1	M	A	22	0.008	0.002	-	-	-
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2068	68.5	2.164	1.530	0.379	0.67	2	F	A	12	0.033	0.035	276	0.127	411
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2069	61.6	1.839	1.188	0.387	0.79	2	F	A	12	0.015	0.049	476	0.103	420
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2070	66.4	3.115	2.219	0.049	1.07	2	F	A	16	0.057	0.100	961	0.104	419
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2071	44.8	0.621	0.482	-	0.69	1	F	A	17	0.017	0.006	-	-	-
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2072	61.6	2.042	1.485	0.328	0.87	2	M	A	22	0.028	0.013	-	-	-
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2073	60.0	1.748	1.462	-	0.81	2	F	A	17	0.072	0.022	-	-	-
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2074	64.2	2.556	1.773	0.365	0.97	2	F	A	16	0.068	0.161	1161	0.138	493
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2075	38.5	0.459	0.385	-	0.80	1	M	A	22	0.009	0.006	-	-	-
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2078 ^(a)	66.3	2.409	1.601	0.471	0.83	2	F	A	12	0.042	0.089	696	0.129	369
10/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2079	76.5	4.425	2.748	0.644	0.99	2	F	A	14	0.079	0.461	1124	0.410	756
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2213	70.5	2.936	2.046	0.236	0.84	2	F	A	14	0.068	0.356	639	0.557	1204
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2214	63.5	1.986	1.466	0.323	0.78	2	F	A	17	0.045	0.025	-	-	-
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2215	44.4	0.814	0.523	0.222	0.93	1	M	A	22	0.007	0.002	-	-	-
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2216	65.7	2.023	1.532	0.240	0.71	2	F	A	17	0.047	0.048	916	0.052	416
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2217	56.1	1.381	0.933	0.304	0.78	2	F	A	17	0.027	0.017	-	-	-
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2218	62.6	1.873	1.310	0.314	0.76	2	F	A	17	0.050	0.027	-	-	-
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2219	53.6	1.144	0.848	0.196	0.75	2	F	A	17	0.018	0.008	-	-	-
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2220	68.2	2.728	1.808	0.486	0.86	2	F	A	12	0.088	0.077	502	0.153	438
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2221	66.8	2.877	1.843	0.646	0.97	2	F	A	12	0.056	0.081	968	0.084	343
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2222	60.6	1.759	1.166	0.430	0.79	2	M	A	22	0.021	0.011	-	-	-
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2223	60.2	1.908	1.506	0.059	0.88	2	M	A	22	0.063	0.025	-	-	-
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2224	53.8	1.494	1.010	0.296	0.96	2	F	A	17	0.041	0.020	-	-	-
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2225	53.5	1.555	0.834	0.606	1.02	2	M	A	23	0.022	-	-	-	-

Date (d/m/y)	Sampling Area	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Carcass Weight (g)	Parasite Weight ^(b) (g)	Condition Factor	Age ^(c)	Sex	Life Stage	Maturity ^(d)	Liver Weight (g)	Gonad Weight (g)	Fecundity	Mean Egg Weight (mg)	Mean Egg Diameter (µm)
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2226	70.0	2.756	1.925	0.505	0.81	2	M	A	22	0.067	0.009	-	-	-
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2227	57.1	1.572	1.104	0.267	0.85	2	M	A	22	0.032	0.016	-	-	-
11/8/2017	RA1	ML17FHRA1MT2304	ML17URA1THST2228	56.8	1.728	1.190	0.318	0.94	2	M	A	22	0.030	0.013	-	-	-
11/8/2017	RA1	ML17FHRA1MT2303	ML17URA1THST2229	43.6	0.662	0.425	0.152	0.80	1	F	J	11	0.008	0.005	-	-	-
11/8/2017	RA1	ML17FHRA1MT2303	ML17URA1THST2230	54.7	1.261	0.940	0.189	0.77	2	M	A	22	0.021	0.016	-	-	-
11/8/2017	RA1	ML17FHRA1MT2303	ML17URA1THST2231	51.0	1.197	0.809	0.275	0.90	2	M	A	22	0.014	0.004	-	-	-
11/8/2017	RA1	ML17FHRA1MT2303	ML17URA1THST2232	60.6	1.834	1.501	-	0.82	2	F	A	17	0.073	0.043	705	0.061	357
11/8/2017	RA1	ML17FHRA1MT2303	ML17URA1THST2233	55.4	1.571	1.089	0.302	0.92	2	M	A	23	0.033	0.015	-	-	-
11/8/2017	RA1	ML17FHRA1MT2303	ML17URA1THST2234	60.8	2.040	1.366	0.458	0.91	2	F	A	17	0.032	0.031	-	-	-
11/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2239	52.5	1.322	0.920	0.274	0.91	2	M	A	23	0.014	0.010	-	-	-
11/8/2017	RA1	ML17FHRA1MT2302	ML17URA1THST2240	56.5	1.384	1.249	-	0.77	2	M	A	22	0.012	0.013	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2245	37.6	0.395	0.318	-	0.75	1	M	A	22	0.012	0.002	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2246	31.1	0.215	0.166	0.007	0.72	1	U	J	01	0.006	-	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2247	54.0	1.359	0.922	0.286	0.87	2	M	A	22	0.023	0.009	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2248	44.2	0.704	0.428	0.192	0.81	1	M	J	21	0.009	-	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2249	34.9	0.336	0.250	0.017	0.79	1	U	J	01	0.010	-	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2250	33.2	0.312	0.218	0.043	0.85	1	U	J	01	0.007	-	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2251	36.6	0.446	0.336	0.045	0.91	1	U	J	01	0.010	-	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2252	35.8	0.329	0.265	-	0.72	1	U	J	01	0.011	-	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2253	53.8	1.440	1.051	0.241	0.92	2	M	A	22	0.033	0.015	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2254	52.0	1.328	0.904	0.294	0.95	2	M	A	22	0.029	0.017	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2255	57.3	1.794	1.182	0.417	0.95	2	M	A	22	0.029	0.021	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2256	48.0	1.104	0.682	0.287	1.00	2	M	A	22	0.012	0.010	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2257	33.2	0.332	0.209	0.071	0.91	1	U	J	01	0.005	-	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2258	55.5	1.614	1.028	0.387	0.94	2	F	A	17	0.026	0.017	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2259	34.8	0.328	0.231	0.021	0.78	1	U	J	01	0.007	-	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2260	69.0	2.773	2.057	0.328	0.84	2	F	A	12	0.076	0.070	969	0.072	352
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2261	59.7	1.894	1.269	0.360	0.89	2	F	A	17	0.035	0.030	615	0.048	276
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2262	60.5	1.858	1.326	0.285	0.84	2	F	A	12	0.040	0.042	777	0.054	375
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2263	65.1	2.383	1.643	0.399	0.86	2	F	A	12	0.057	0.086	755	0.114	475
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2264	57.6	1.892	1.349	0.295	0.99	2	M	A	23	0.034	0.015	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2265	34.4	0.324	0.223	0.044	0.80	1	U	J	01	0.006	-	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2266	32.6	0.227	0.178	0.004	0.65	1	U	J	01	0.008	-	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2267	34.6	0.299	0.250	-	0.72	1	F	J	11	0.005	0.001	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2268	48.3	1.033	0.776	0.127	0.92	2	F	A	17	0.019	0.006	-	-	-
12/8/2017	RA1	ML17FHRA1BP2001	ML17URA1THST2269	50.8	1.170	0.726	0.260	0.89	2	F	A	12	0.016	0.012	-	-	-
12/8/2017	RA1	ML17FHRA1MT2306	ML17URA1THST2270	67.3	2.539	1.739	0.551	0.83	2	F	A	12	0.042	0.051	354	0.144	422
12/8/2017	RA1	ML17FHRA1MT2306	ML17URA1THST2271	71.5	3.019	2.268	0.334	0.83	2	F	A	12	0.057	0.146	616	0.237	492
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2335	37.3	0.397	0.281	0.048	0.77	1	F	J	11	0.009	0.001	-	-	-
13/8/2017	RA1	ML17FHRA1BP2002	ML17URA1THST2336	38.2	0.462	0.381	-	0.83	1	M	A	22	0.008	0.005	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2337	38.6	0.430	0.313	0.056	0.75	1	U	J	01	0.013	-	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2338	35.9	0.346	0.284	0.024	0.75	1	U	J	01	0.007	-	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2339	37.0	0.379	0.285	0.030	0.75	1	F	J	11	0.012	0.003	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2340	37.9	0.423	0.283	0.061	0.78	1	F	J	11	0.006	0.002	-	-	-

Date (d/m/y)	Sampling Area	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Carcass Weight (g)	Parasite Weight ^(b) (g)	Condition Factor	Age ^(c)	Sex	Life Stage	Maturity ^(d)	Liver Weight (g)	Gonad Weight (g)	Fecundity	Mean Egg Weight (mg)	Mean Egg Diameter (µm)
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2341	38.1	0.437	0.307	0.039	0.79	1	U	J	01	0.010	-	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2342	39.7	0.423	0.340	0.008	0.67	1	F	J	11	0.012	0.005	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2343	37.3	0.416	0.326	-	0.80	1	U	J	01	0.011	-	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2344	37.8	0.502	0.320	0.117	0.93	1	M	J	21	0.010	-	-	-	-
13/8/2017	RA1	ML17FHRA1MT2305	ML17URA1THST2345	66.9	2.792	1.786	0.576	0.93	2	F	A	17	0.077	0.072	931	0.077	384
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2346	39.9	0.451	0.355	-	0.71	1	F	J	11	0.014	0.006	-	-	-
13/8/2017	RA1	ML17FHRA1MT2305	ML17URA1THST2347	62.6	2.280	1.545	0.473	0.93	2	F	A	17	0.039	0.035	517	0.068	316
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2348	41.7	0.511	0.441	-	0.70	1	F	J	11	0.013	0.005	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2349	40.4	0.444	0.379	-	0.67	1	M	A	22	0.009	0.001	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2350	39.9	0.420	0.369	-	0.66	1	F	J	11	0.009	0.003	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2351	40.9	0.472	0.393	-	0.69	1	F	J	11	0.011	0.002	-	-	-
13/8/2017	RA1	ML17FHRA1MT2307	ML17URA1THST2352	40.4	0.587	0.494	-	0.89	1	F	A	17	0.022	0.013	-	-	-
13/8/2017	RA1	ML17FHRA1MT2305	ML17URA1THST2353	37.2	0.412	0.344	-	0.80	1	U	J	01	0.015	-	-	-	-
13/8/2017	RA1	ML17FHRA1MT2305	ML17URA1THST2354	38.6	0.442	0.318	0.065	0.77	1	U	J	01	0.023	-	-	-	-
13/8/2017	RA1	ML17FHRA1MT2305	ML17URA1THST2355	64.5	2.316	1.469	0.616	0.86	2	M	A	25	0.033	0.012	-	-	-
13/8/2017	RA1	ML17FHRA1MT2305	ML17URA1THST2356	69.1	2.759	2.229	-	0.84	2	F	A	16	0.094	0.069	425	0.163	384
13/8/2017	RA1	ML17FHRA1MT2305	ML17URA1THST2357	65.3	2.297	1.779	0.025	0.82	2	F	A	12	0.139	0.063	950	0.066	356
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3000	64.8	2.341	1.856	0.370	0.86	2	M	A	23	0.067	0.017	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3001	60.1	2.555	1.669	0.331	1.18	2	F	A	12	0.053	0.050	1127	0.044	404
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3002	49.5	1.038	0.710	0.197	0.86	2	M	A	22	0.029	0.009	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3003	33.9	0.298	0.240	-	0.76	1	U	J	01	0.006	-	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3004	51.7	1.103	0.850	0.216	0.80	2	M	A	22	0.033	0.018	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3005	55.6	1.317	0.793	0.161	0.77	2	F	A	17	0.029	0.011	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3006	52.5	1.326	0.892	0.286	0.92	2	M	A	22	0.029	0.015	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3007	66.2	2.484	1.866	0.211	0.86	2	F	A	12	0.072	0.064	957	0.067	385
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3008	60.9	1.988	1.448	0.246	0.88	2	F	A	12	0.066	0.034	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3009	54.9	1.606	1.063	0.334	0.97	2	M	A	22	0.032	0.018	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3010	57.1	1.596	1.095	0.328	0.86	2	F	A	12	0.032	0.023	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3011	61.8	1.782	1.475	0.071	0.76	2	F	A	12	0.070	0.034	763	0.044	345
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3012	58.5	1.736	1.476	-	0.87	2	M	A	23	0.064	0.023	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3013	48.0	0.911	0.605	0.206	0.83	1	M	J	21	0.018	0.002	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3014	53.8	1.147	0.972	-	0.74	2	M	A	22	0.028	0.024	-	-	-
14/8/2017	RA2	ML17FHRA2BP3000	ML17URA2THST3015	45.3	0.840	0.450	0.258	0.90	1	F	J	11	0.006	0.007	979	0.007	167
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3035	55.6	1.702	1.028	0.400	0.99	2	F	A	17	0.036	0.033	1554	0.021	301
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3036	65.9	2.371	1.729	0.323	0.83	2	F	A	17	0.046	0.071	1262	0.056	338
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3037	45.2	0.781	0.492	0.178	0.85	1	F	J	11	0.014	0.007	-	-	-
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3038	71.8	2.812	2.002	0.353	0.76	2	F	A	12	0.058	0.098	1648	0.059	395
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3039	58.2	1.732	1.238	0.327	0.88	2	M	A	22	0.032	0.016	-	-	-
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3040	60.2	1.843	1.361	0.241	0.85	2	M	A	22	0.062	0.022	-	-	-
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3041	63.2	2.715	1.642	0.873	1.08	2	M	A	22	0.038	0.021	-	-	-
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3042	51.9	1.108	0.779	0.294	0.79	2	F	J	11	0.016	0.008	328	0.024	210
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3043	63.2	1.857	1.613	-	0.74	2	M	A	22	0.055	0.016	-	-	-
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3044	70.4	2.828	2.120	0.426	0.81	2	F	A	16	0.080	0.093	1524	0.061	381
15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3045	60.6	1.932	1.425	0.361	0.87	2	M	A	25	0.039	0.009	-	-	-

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15/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3046	59.3	1.748	1.179	0.535	0.84	2	F	A	12	0.040	0.050	511	0.099	393
15/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3047	48.8	1.037	0.716	0.207	0.89	1	F	J	11	0.026	0.010	-	-	-
15/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3048	64.0	2.325	1.535	0.522	0.89	2	F	A	12	0.045	0.056	496	0.113	461
15/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3049	57.8	1.512	0.987	0.335	0.78	2	M	A	23	0.021	0.012	-	-	-
15/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3050	37.4	0.448	0.315	0.098	0.86	1	U	J	01	0.004	-	-	-	-
15/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3051	57.5	1.753	1.195	0.383	0.92	2	F	A	17	0.031	0.019	319	0.061	284
15/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3052	66.7	2.392	1.746	0.222	0.81	2	F	A	16	0.054	0.098	1238	0.079	433
15/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3053	67.4	2.285	1.629	0.269	0.75	2	F	A	13	0.056	0.089	1606	0.055	453
15/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3054	62.0	2.147	1.402	0.434	0.90	2	F	A	12	0.046	0.049	462	0.106	444
15/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3055	60.9	1.651	1.393	-	0.73	2	F	A	12	0.069	0.026	483	0.055	346
16/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3109	58.5	1.751	1.366	0.111	0.88	2	M	A	22	0.044	0.036	-	-	-
16/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3110	72.1	3.223	2.079	0.424	0.86	2	F	A	15	0.071	0.302	570	0.530	956
16/8/2017	RA2	ML17FHRA2MT3300	ML17URA2THST3114	57.0	1.157	1.005	-	0.63	2	M	A	22	0.039	0.030	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3115	35.8	0.384	0.259	0.048	0.84	1	F	J	11	0.010	0.002	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3116	37.8	0.433	0.313	0.023	0.80	1	U	J	01	0.016	-	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3117	38.5	0.417	0.342	-	0.73	1	M	A	22	0.010	0.002	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3118	36.9	0.398	0.283	0.050	0.79	1	U	J	01	0.012	-	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3119	38.9	0.397	0.325	-	0.67	1	U	J	01	0.010	-	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3120	67.3	2.197	1.856	-	0.72	2	F	A	16	0.053	0.070	682	0.102	372
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3121	36.7	0.364	0.303	-	0.73	1	U	J	01	0.012	-	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3122	39.2	0.388	0.309	-	0.65	1	F	J	11	0.013	0.003	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3123	39.6	0.453	0.359	-	0.73	1	F	J	11	0.014	0.003	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3124	47.8	0.834	0.544	0.196	0.76	1	F	J	11	0.014	0.007	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3125	55.0	1.397	1.006	0.221	0.84	2	M	A	22	0.033	0.008	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3126	44.7	0.589	0.408	-	0.66	1	F	J	11	0.031	0.006	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3127	41.5	0.506	0.409	-	0.71	1	M	J	21	0.019	0.004	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3128	42.4	0.583	0.452	0.039	0.77	1	M	J	21	0.017	0.005	-	-	-
16/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3132	57.3	1.406	1.236	-	0.75	2	M	A	-	0.036	0.003	-	-	-
16/8/2017	RA2	ML17FHRA2MT3302	ML17URA2THST3133	51.2	1.193	0.815	0.223	0.89	2	F	A	17	0.029	0.015	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3134	38.3	0.385	0.314	-	0.69	1	F	J	01	0.008	0.001	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3135	41.7	0.504	0.493	-	0.70	1	F	J	11	0.015	0.004	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3136	41.1	0.537	0.356	0.110	0.77	1	U	J	01	0.013	-	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3137	36.0	0.369	0.285	-	0.79	1	U	J	01	0.012	-	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3138	42.7	0.513	0.428	-	0.66	1	F	J	11	0.018	0.005	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3139	40.6	0.492	0.396	-	0.73	1	F	J	11	0.020	0.004	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3140	40.1	0.451	0.376	-	0.70	1	F	J	11	0.016	0.005	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3141	61.6	2.424	1.481	0.398	1.03	2	F	A	14	0.061	0.252	578	0.436	986
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3142	41.1	0.448	0.382	-	0.64	1	U	J	01	0.016	-	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3143	55.8	1.661	1.171	0.221	0.96	2	F	A	12	0.045	0.025	-	-	-
16/8/2017	RA2	ML17FHRA2MT3301	ML17URA2THST3144	36.6	0.356	0.248	0.030	0.73	1	F	J	11	0.010	0.003	-	-	-
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3178	40.1	0.448	0.386	-	0.69	1	M	A	22	0.011	0.003	-	-	-
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3179	35.7	0.434	0.312	0.049	0.95	1	F	J	11	0.010	0.002	-	-	-
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3180	70.5	2.885	2.058	0.367	0.82	2	F	A	16	0.058	0.173	932	0.186	583
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3181	40.2	0.493	0.418	-	0.76	1	M	J	21	0.015	0.002	-	-	-

Date (d/m/y)	Sampling Area	Effort Number	FIN Number	Total Length (mm)	Total Weight (g)	Carcass Weight (g)	Parasite Weight ^(b) (g)	Condition Factor	Age ^(c)	Sex	Life Stage	Maturity ^(d)	Liver Weight (g)	Gonad Weight (g)	Fecundity	Mean Egg Weight (mg)	Mean Egg Diameter (µm)
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3183	55.9	1.414	1.088	0.185	0.81	2	F	A	17	0.026	0.016	578	0.027	224
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3184	59.7	1.576	1.350	-	0.74	2	M	A	23	0.031	0.008	-	-	-
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3185	39.2	0.465	0.338	0.069	0.77	1	F	J	11	0.014	0.003	-	-	-
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3186	56.4	1.268	1.103	-	0.71	2	F	A	12	0.041	0.023	463	0.050	354
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3187	62.2	2.160	1.789	0.060	0.90	2	M	A	22	0.056	0.030	-	-	-
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3188	38.3	0.417	0.351	-	0.74	1	F	J	11	0.012	0.004	-	-	-
17/8/2017	RA2	ML17FHRA2MT3305	ML17URA2THST3189	72.0	3.081	2.210	0.379	0.83	2	F	A	12	0.095	0.113	1101	0.103	481
17/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3190	69.8	2.286	1.906	0.008	0.67	2	F	A	12	0.076	0.048	1122	0.043	346
17/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3191	60.1	1.593	1.402	-	0.73	2	M	A	22	0.025	0.012	-	-	-
17/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3192	58.2	1.329	1.169	-	0.68	2	M	A	22	0.021	0.007	-	-	-
17/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3193	57.9	1.311	1.155	0.014	0.68	2	M	A	23	0.021	0.007	-	-	-
17/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3194	60.3	1.998	1.357	0.438	0.91	2	M	A	22	0.047	0.020	-	-	-
17/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3195	60.5	1.892	1.374	0.276	0.85	2	M	A	23	0.043	0.022	-	-	-
17/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3196	61.5	1.690	1.477	-	0.73	2	M	A	25	0.035	0.005	-	-	-
17/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3197	69.0	2.195	1.822	-	0.67	2	F	A	12	0.073	0.063	1100	0.057	409
17/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3198	63.1	1.977	1.333	0.450	0.79	2	F	A	12	0.039	0.028	1084	0.026	244
18/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3335	36.2	0.434	0.253	0.110	0.92	1	U	J	01	0.007	-	-	-	-
18/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3336	57.4	1.505	1.230	0.082	0.80	2	M	A	22	0.030	0.013	-	-	-
18/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3337	41.4	0.548	0.361	0.126	0.77	1	U	J	01	0.012	-	-	-	-
18/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3338	57.7	1.582	1.366	-	0.82	2	M	A	22	0.039	0.026	-	-	-
18/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3339	63.8	2.206	1.566	0.393	0.85	2	M	A	22	0.031	0.026	-	-	-
18/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3340	58.8	1.820	1.270	0.367	0.89	2	M	A	22	0.025	0.018	-	-	-
18/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3341	49.0	0.944	0.667	0.196	0.80	2	F	J	11	0.018	0.006	-	-	-
18/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3342	51.4	1.164	0.831	0.220	0.86	2	F	A	13	0.029	0.010	-	-	-
18/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3343	57.3	1.454	1.273	-	0.77	2	M	A	22	0.038	0.010	-	-	-
18/8/2017	RA2	ML17FHRA2MT3304	ML17URA2THST3344	48.4	0.814	0.683	-	0.72	1	M	A	22	0.025	0.018	-	-	-

a) Otoliths collected and archived.
b) Suspected to be *Schistocephalus solidus* .
c) Designated based on the length-frequency distributions.
d) Refer to Table 2 for maturity codes designations.
d = day; m = month; y = year; NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mm = millimetre; g = gram; F = female; M = male; U = unknown; A = adult; J = juvenile; mg = milligram; µm = micrometre; - = not recorded or not applicable.

Table 6B-4: Statistical Outliers Omitted from Analysis

Sex	Parasites	Parameter	Dependent	Covariate	Statistical Test	Fish Identification Number	Studentized Residual
Female	Included	Size-at-age	Total weight	Age 1+	ANOVA	ML15UNFTHST1017	3.22
		Body weight	Total weight	-	ANOVA	ML17URA1THST2079	3.72
		Length	Length	-	ANOVA	ML17URA1THST2352	-3.65
		Relative gonad size	Gonad weight	Total weight	ANCOVA	ML15UNFTHST1070	3.72
						ML17URA1THST2352	3.68
		Relative gonad size	Gonad weight	Length	ANCOVA	ML17URA1THST2352	4.44
		Condition	Total weight	Length	ANCOVA	ML17URA1THST2079	4.62
			Carcass weight	Length	ANCOVA	ML17URA1THST2352	3.52
		Relative liver size	Liver weight	Total weight	ANCOVA	ML15UNFTHST1247	-3.93
				Carcass weight	ANCOVA	ML15UNFTHST1247	-4.61
				Length	ANCOVA	ML15UNFTHST1247	-4.29
						ML17URA1THST2069	-3.45
Male	Included	Size-at-age	Length	Age 1+	ANOVA	ML17URA2THST3344	3.16
		Condition	Total weight	Length	ANCOVA	ML17URA2THST3041	3.7
			Carcass weight	Length	ANCOVA	ML15UNFTHST1239	3.5
	Excluded	Size-at-age	Total weight	Age 2+	ANOVA	ML15UNFTHST1070	-3.14
		Relative gonad size	Gonad weight	Total weight	ANCOVA	ML15UNFTHST1222	4.57
				Carcass weight	ANCOVA	ML15UNFTHST1222	4.92
				Length	ANCOVA	ML15UNFTHST1222	4.29
		Length	Length	-	ANCOVA	ML17URA2THST3117	-2.98
		Condition	Total weight	Length	ANCOVA	ML15UNFTHST1249	3.3
		Relative liver size	Liver weight	Total weight	ANCOVA	ML17URA2THST3012	3.14

Note: Outlier threshold defined as a studentized residual greater than |3.0|. ANOVA = analysis of variance; ANCOVA = analysis of covariance; - = not applicable.

Table 6B-5: Abnormality Assessment for Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017

FIN Number	External Assessment										Internal Assessment					
	Body Deformity	Eyes	Skin ^(a)	Thymus ^(b)	Opercula	Gills	Pseudo-branches	Fins ^(c)	Vent ^(d)	Parasites ^(e)	Liver ^(f)	Spleen ^(g)	Gall Bladder	Mesenteric Fat ^(h) (%)	Parasites ^(e)	Kidney ⁽ⁱ⁾
ML15UNFTHST1001	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1003	N	N	0	0	0	N	N	0	0	0	C	B	0	1	2	N
ML15UNFTHST1004	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML15UNFTHST1005	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1006	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1007	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML15UNFTHST1009	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1010	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1012	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1013	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1014	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1016	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML15UNFTHST1017	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1019	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1020	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1022	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1023	N	N	0	1	0	N	N	0	1	0	A	B	0	0	2	N
ML15UNFTHST1024	N	N	0	0	0	N	N	0	0	0	C	B	0	0	2	N
ML15UNFTHST1052	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1053	N	N	0	0	0	N	N	0	0	0	C	B	0	1	2	N
ML15UNFTHST1054	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1055	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1057	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1058	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1059	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1062	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1065	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1067	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1068	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1069	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1070	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML15UNFTHST1071	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1072	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML15UNFTHST1073	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1074	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1075	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1076	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1080	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1081	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML15UNFTHST1084	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1085	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1086	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1087	N	N	0	0	0	N	N	0	0	0	C	B	0	1	2	N
ML15UNFTHST1088	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1089	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1108	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1119	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1120	N	N	0	0	0	N	N	0	0	0	C	B	0	3	2	N
ML15UNFTHST1122	N	N	0	0	0	N	N	0	0	0	C	B	0	1	0	N
ML15UNFTHST1123	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1124	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1125	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1126	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML15UNFTHST1127	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML15UNFTHST1128	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1129	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1138	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1139	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1140	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1142	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1143	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1144	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1145	N	N	0	0	0	N	N	0	0	0	A	B	0	1	1	N
ML15UNFTHST1146	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML15UNFTHST1149	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML15UNFTHST1152	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML15UNFTHST1153	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1154	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1155	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1156	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1162	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1198	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1199	N	N	0	0	0	N	N	0	0	0	C	B	0	1	0	S
ML15UNFTHST1200	N	N	0	0	0	N	N	0	0	0	C	B	0	3	0	N
ML15UNFTHST1201	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	S
ML15UNFTHST1202	N	N	0	0	0	N	N	0	0	0	C	B	0	1	0	S
ML15UNFTHST1215	N	N	0	0	0	N	N	0	0	0	A	B	0	2	2	N
ML15UNFTHST1216	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1218	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1220	N	N	0	0	0	N	N	0	0	0	A	B	0	1	1	N

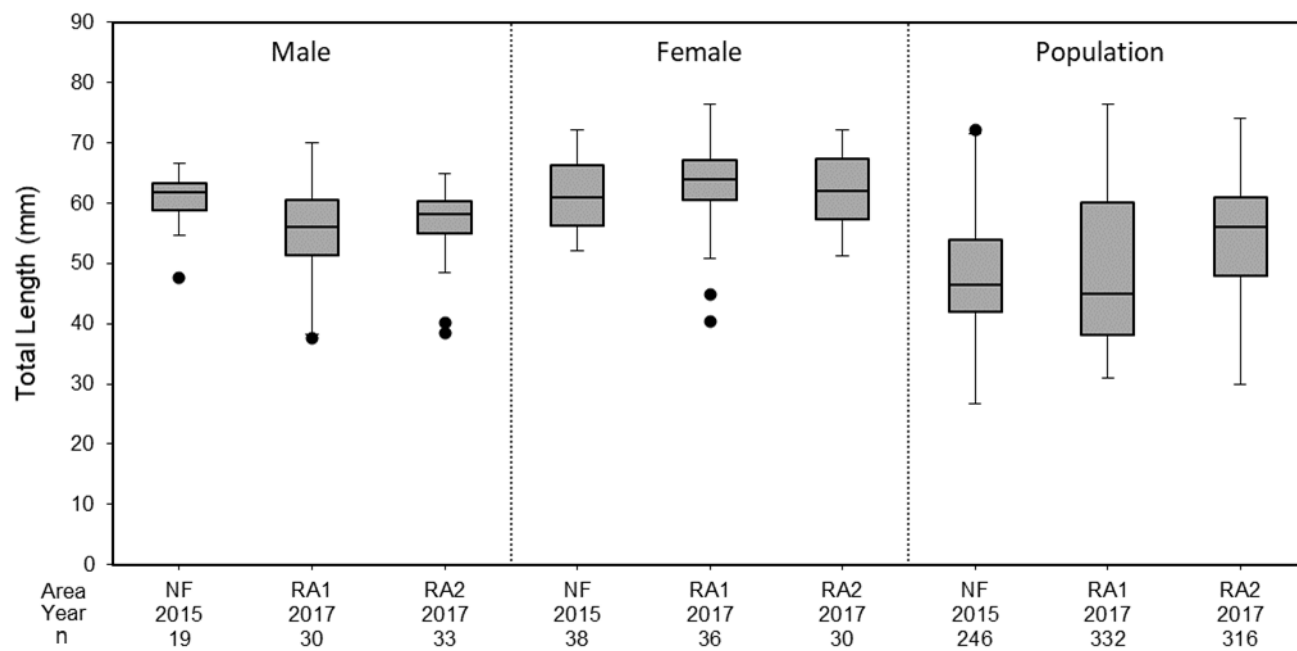
FIN Number	External Assessment										Internal Assessment					
	Body Deformity	Eyes	Skin ^(a)	Thymus ^(b)	Opercula	Gills	Pseudo-branches	Fins ^(c)	Vent ^(d)	Parasites ^(e)	Liver ^(f)	Spleen ^(g)	Gall Bladder	Mesenteric Fat ^(h) (%)	Parasites ^(e)	Kidney ⁽ⁱ⁾
ML15UNFTHST1221	N	N	0	0	0	N	N	0	0	0	C	B	0	1	2	N
ML15UNFTHST1222	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML15UNFTHST1223	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1235	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1237	N	N	0	0	0	N	N	0	0	0	A	B	0	2	2	N
ML15UNFTHST1239	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1241	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML15UNFTHST1243	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML15UNFTHST1244	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1246	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1247	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1249	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	S
ML15UNFTHST1250	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML15UNFTHST1252	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	S
ML15UNFTHST1253	N	N	0	0	0	N	N	0	1	0	A	B	0	1	2	N
ML17URA1THST2000	N	N	0	0	0	N	N	0	0	0	A	B	0	1	3	N
ML17URA1THST2001	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2057	N	N	0	0	0	N	N	0	0	0	A	B	0	1	1	N
ML17URA1THST2058	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2059	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2060	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2061	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2062	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2063	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2064	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2065	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2066	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2067	N	N	0	0	0	N	N	0	0	0	A	B	0	0	0	N
ML17URA1THST2068	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2069	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2070	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2071	N	N	0	0	0	N	N	0	0	0	A	B	0	0	0	N
ML17URA1THST2072	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2073	N	N	0	0	0	N	N	0	0	0	C	B	0	2	0	N
ML17URA1THST2074	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2075	N	N	0	0	0	N	N	0	0	0	C	B	0	1	0	N
ML17URA1THST2078	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2079	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2213	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2214	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2215	N	N	0	0	0	N	N	0	0	0	A	B	0	1	3	N
ML17URA1THST2216	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2217	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2218	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2219	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2220	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2221	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2222	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2223	N	N	0	0	0	N	N	0	0	0	C	B	0	1	1	S
ML17URA1THST2224	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2225	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2226	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2227	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2228	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2229	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2230	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2231	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2232	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	N
ML17URA1THST2233	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2234	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2239	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2240	N	N	0	0	0	N	N	0	0	0	C	B	0	1	0	N
ML17URA1THST2245	N	N	0	0	0	N	N	0	0	0	C	B	0	1	0	N
ML17URA1THST2246	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2247	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2248	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2249	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2250	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2251	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2252	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	N
ML17URA1THST2253	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2254	N	N	0	0	0	N	N	0	0	0	A	B	0	1	3	N
ML17URA1THST2255	N	N	0	0	0	N	N	0	0	0	A	B	0	1	3	N
ML17URA1THST2256	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2257	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2258	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2259	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2260	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2261	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2262	N	N	0	0	0	N	N	0	0	0	A	B	0	2	2	N
ML17URA1THST2263	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N

FIN Number	External Assessment										Internal Assessment					
	Body Deformity	Eyes	Skin ^(a)	Thymus ^(b)	Opercula	Gills	Pseudo-branches	Fins ^(c)	Vent ^(d)	Parasites ^(e)	Liver ^(f)	Spleen ^(g)	Gall Bladder	Mesenteric Fat ^(h) (%)	Parasites ^(e)	Kidney ⁽ⁱ⁾
ML17URA1THST2264	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2265	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2266	N	N	0	0	0	N	N	0	0	0	A	B	0	1	1	N
ML17URA1THST2267	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA1THST2268	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2269	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2270	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2271	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2335	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2336	N	N	0	0	0	N	N	0	0	0	A	B	0	0	0	N
ML17URA1THST2337	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2338	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2339	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2340	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2341	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2342	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2343	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA1THST2344	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA1THST2345	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2346	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA1THST2347	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA1THST2348	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA1THST2349	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA1THST2350	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA1THST2351	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA1THST2352	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA1THST2353	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA1THST2354	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA1THST2355	N	N	0	0	0	N	N	0	0	0	A	B	0	1	3	N
ML17URA1THST2356	N	N	0	0	0	N	N	1	0	0	A	B	0	1	0	N
ML17URA1THST2357	N	N	0	0	0	N	N	1	0	0	A	B	0	2	1	S
ML17URA2THST3000	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	S
ML17URA2THST3001	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3002	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3003	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA2THST3004	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA2THST3005	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA2THST3006	N	N	1	0	0	N	N	0	0	0	A	B	0	1	2	S
ML17URA2THST3007	N	N	0	0	0	N	N	0	0	0	A	B	0	2	2	N
ML17URA2THST3008	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3009	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3010	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3011	N	N	0	0	0	N	N	0	0	0	C	B	0	2	2	N
ML17URA2THST3012	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	S
ML17URA2THST3013	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3014	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	S
ML17URA2THST3015	N	N	0	0	0	N	N	0	0	0	A	B	0	1	3	N
ML17URA2THST3035	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3036	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3037	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3038	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3039	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3040	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3041	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA2THST3042	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3043	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	S
ML17URA2THST3044	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3045	N	N	0	0	0	N	N	0	0	0	C	B	0	1	2	N
ML17URA2THST3046	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3047	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3048	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3049	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA2THST3050	N	N	0	0	0	N	N	0	0	0	A	B	0	1	3	N
ML17URA2THST3051	N	N	0	0	0	N	N	0	0	0	A	B	0	2	2	N
ML17URA2THST3052	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA2THST3053	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3054	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3055	N	N	0	0	0	N	N	0	0	0	C	B	0	2	0	N
ML17URA2THST3109	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	S
ML17URA2THST3110	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA2THST3114	N	N	0	0	0	N	N	0	0	0	A	B	0	0	0	S
ML17URA2THST3115	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3116	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3117	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	N
ML17URA2THST3118	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3119	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA2THST3120	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA2THST3121	N	N	0	0	0	N	N	0	0	0	C	B	0	2	0	N
ML17URA2THST3122	N	N	0	0	0	N	N	0	0	0	A	B	0	0	0	N
ML17URA2THST3123	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	N
ML17URA2THST3124	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N

FIN Number	External Assessment										Internal Assessment					
	Body Deformity	Eyes	Skin ^(a)	Thymus ^(b)	Opercula	Gills	Pseudo-branches	Fins ^(c)	Vent ^(d)	Parasites ^(e)	Liver ^(f)	Spleen ^(g)	Gall Bladder	Mesenteric Fat ^(h) (%)	Parasites ^(e)	Kidney ⁽ⁱ⁾
ML17URA2THST3125	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3126	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA2THST3127	N	N	0	0	0	N	N	0	0	0	C	B	0	1	0	N
ML17URA2THST3128	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3132	N	N	0	0	0	N	N	0	0	0	C	B	0	3	0	S
ML17URA2THST3133	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3134	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA2THST3135	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA2THST3136	N	N	0	0	0	N	N	0	0	0	A	B	0	2	2	N
ML17URA2THST3137	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	N
ML17URA2THST3138	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA2THST3139	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	N
ML17URA2THST3140	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	N
ML17URA2THST3141	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA2THST3142	N	N	0	0	0	N	N	0	0	0	A	B	0	2	0	N
ML17URA2THST3143	N	N	0	0	0	N	N	0	0	0	A	B	0	2	2	N
ML17URA2THST3144	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3178	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA2THST3179	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3180	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3181	N	N	0	0	0	N	N	0	0	0	C	B	0	1	0	N
ML17URA2THST3183	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3184	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	S
ML17URA2THST3185	N	N	0	0	0	N	N	0	0	0	A	B	0	2	2	N
ML17URA2THST3186	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA2THST3187	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	S
ML17URA2THST3188	N	N	0	0	0	N	N	0	0	0	C	B	0	2	0	N
ML17URA2THST3189	N	N	0	0	0	N	N	0	0	0	A	B	0	2	2	S
ML17URA2THST3190	N	N	0	0	0	N	N	0	0	0	A	B	0	2	1	N
ML17URA2THST3191	N	N	0	0	0	N	N	0	0	0	C	B	0	0	0	S
ML17URA2THST3192	N	N	0	0	0	N	N	1	0	0	A	B	0	0	0	S
ML17URA2THST3193	N	N	0	0	0	N	N	0	0	0	C	B	0	1	1	S
ML17URA2THST3194	N	N	0	0	0	N	N	0	0	0	A	B	0	1	3	N
ML17URA2THST3195	N	N	0	0	0	N	N	0	0	0	A	B	0	1	3	N
ML17URA2THST3196	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	S
ML17URA2THST3197	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	N
ML17URA2THST3198	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA2THST3335	N	N	0	0	0	N	N	0	0	0	A	B	0	1	3	N
ML17URA2THST3336	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA2THST3337	N	N	0	0	0	N	N	0	0	0	A	B	0	2	2	N
ML17URA2THST3338	N	N	0	0	0	N	N	0	0	0	A	B	0	0	0	S
ML17URA2THST3339	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3340	N	N	0	0	0	N	N	0	0	0	A	B	0	0	3	N
ML17URA2THST3341	N	N	0	0	0	N	N	0	0	0	A	B	0	1	2	N
ML17URA2THST3342	N	N	0	0	0	N	N	0	0	0	A	B	0	0	2	N
ML17URA2THST3343	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	S
ML17URA2THST3344	N	N	0	0	0	N	N	0	0	0	A	B	0	1	0	S

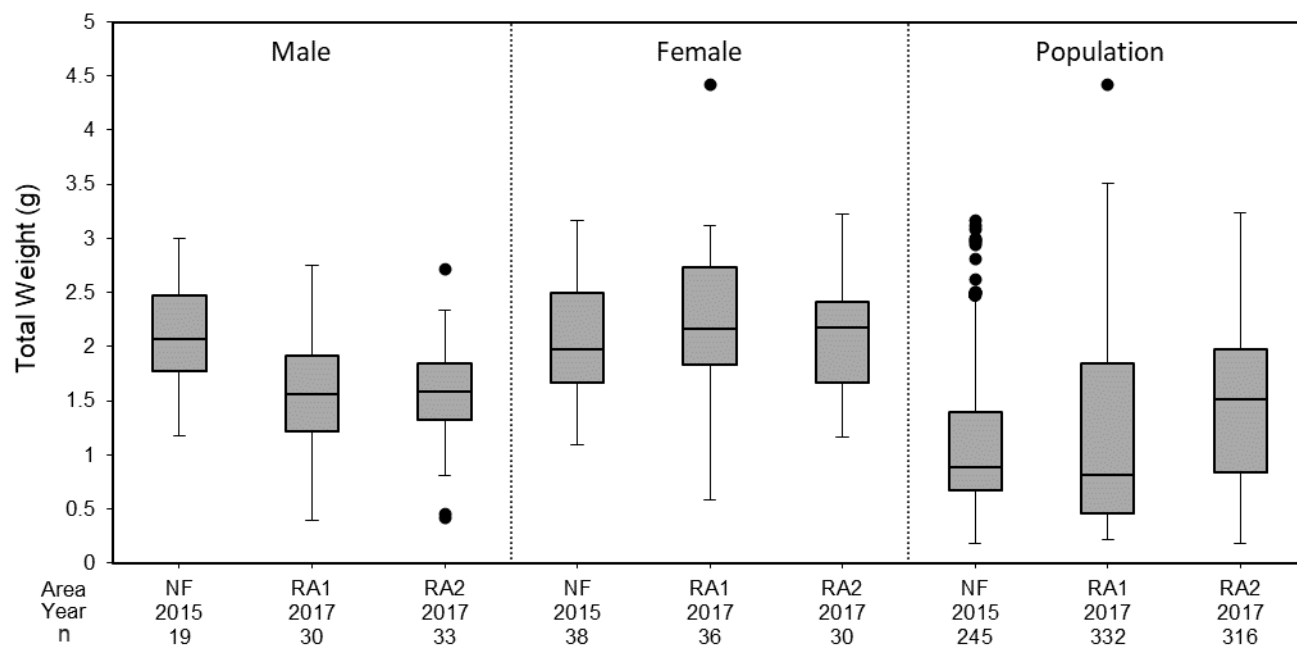
a) 1 = minor skin aberration.
b) 1 = mild hemorrhage.
c) 1 = minor erosion.
d) 1 = slight inflammation or reddening.
e) 1 = few observed parasites; 2 = moderate parasite infestation; 3 = numerous parasites.
f) A = normal; C = "fatty" liver.
g) B = normal.
h) 0 = none; 1 = <50%; 2 = 50%; 3 = >50%.
i) S = swollen
% = percent; N or 0 = normal, no deformities or aberrations observed.

Boxplots



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mm= millimetre; n = sample size.

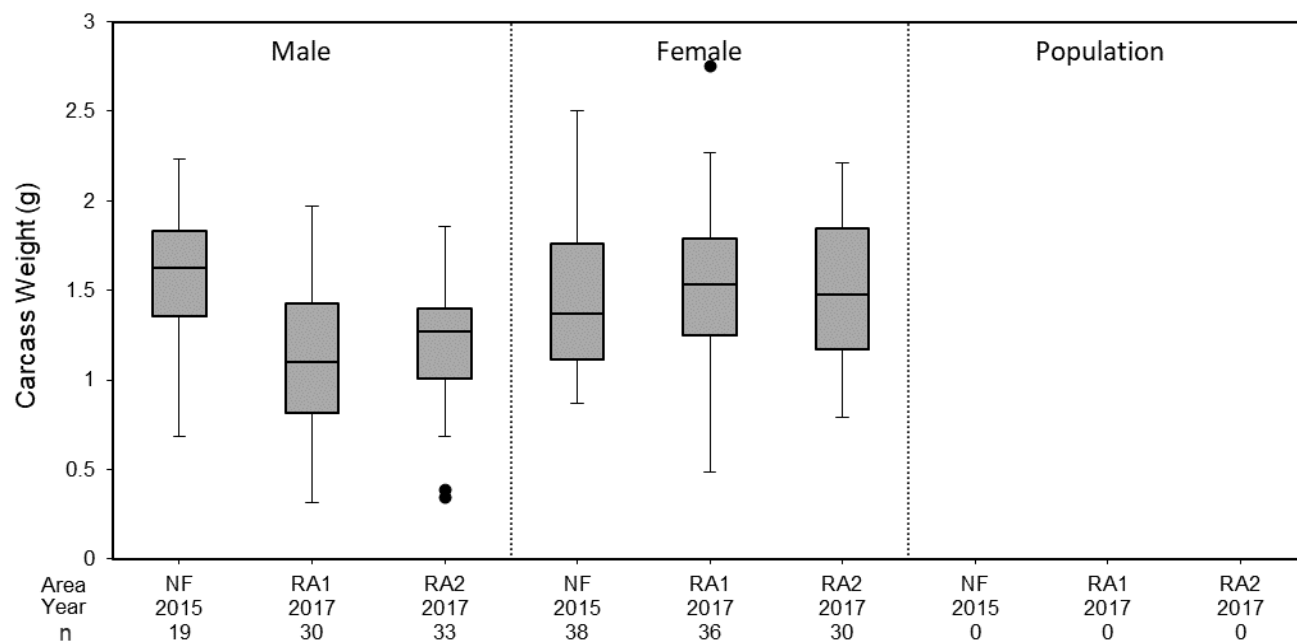
Figure 6C-1: Total Length of Male, Female, and Population of Threespine Stickleback Captured from Meliadine Lake, 2015 and 2017



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; g = gram; n = sample size.

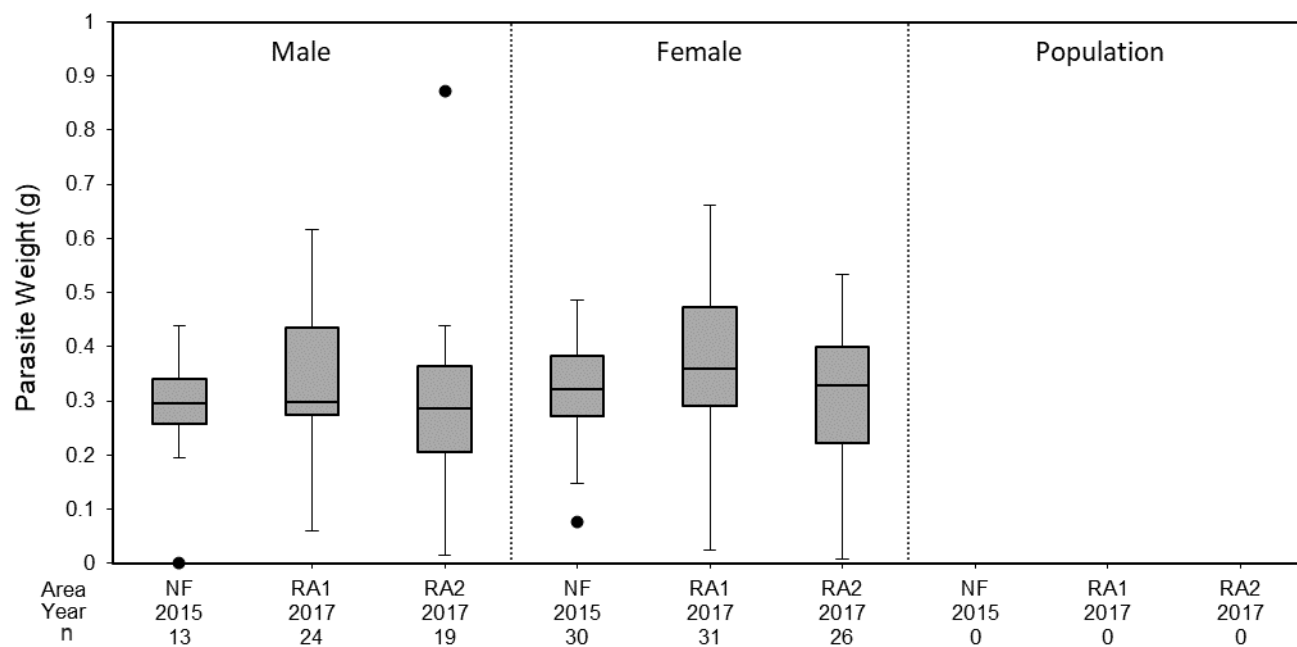
Figure 6C-2: Total Weight of Male, Female, and Population of Threespine Stickleback Captured from Meliadine Lake, 2015 and 2017

Boxplots



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; g = gram; n = sample size.

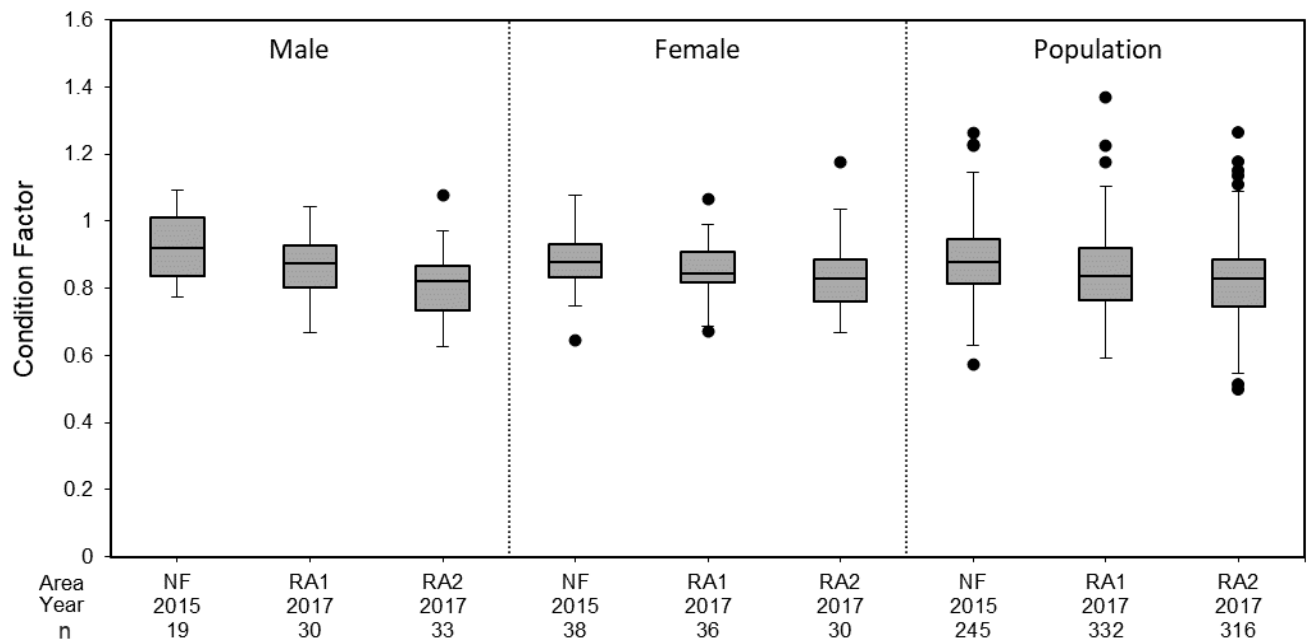
Figure 6C-3: Carcass Weight of Male and Female Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; g = gram; n = sample size.

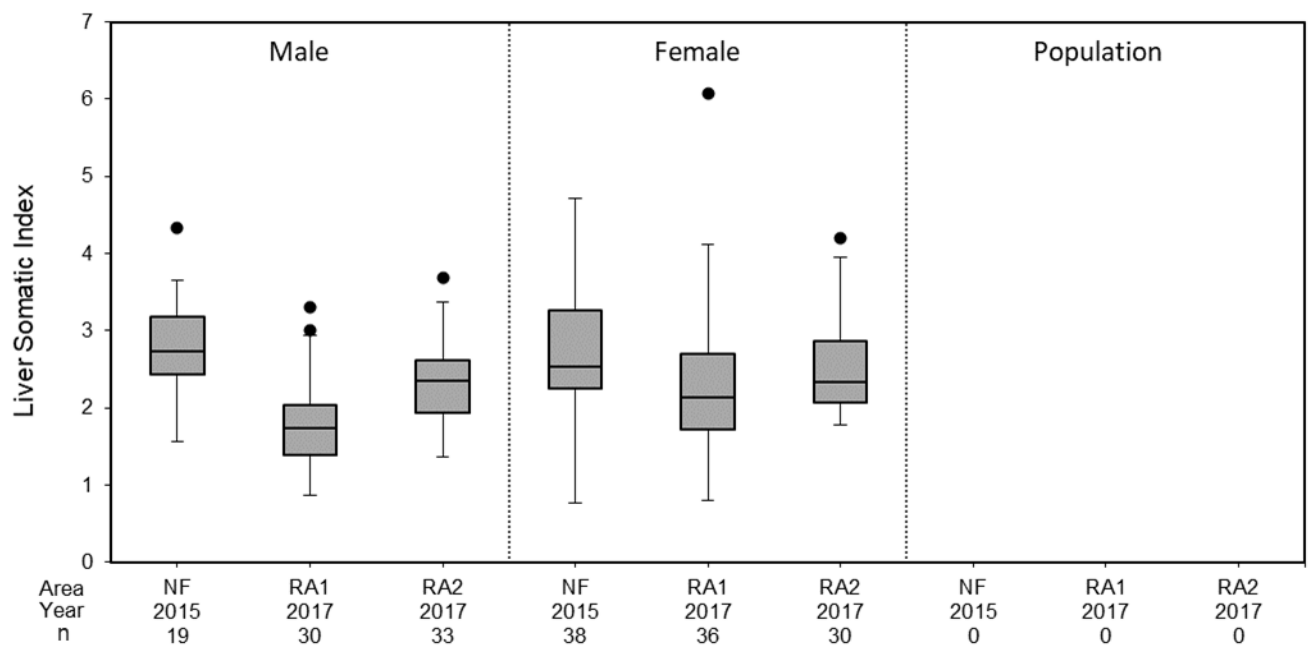
Figure 6C-4: Parasite Weight of Male and Female Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017

Boxplots



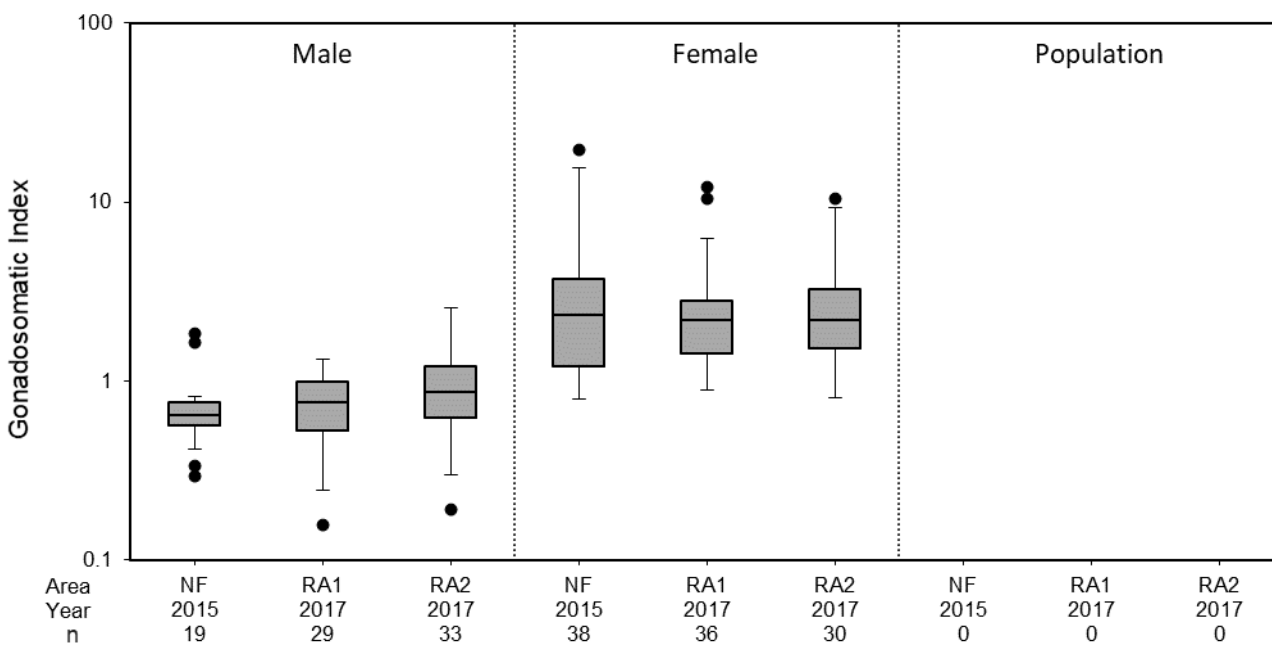
NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; n = sample size.

Figure 6C-5: Condition Factors of Male, Female, and Population of Threespine Stickleback Captured from Meliadine Lake, 2015 and 2017



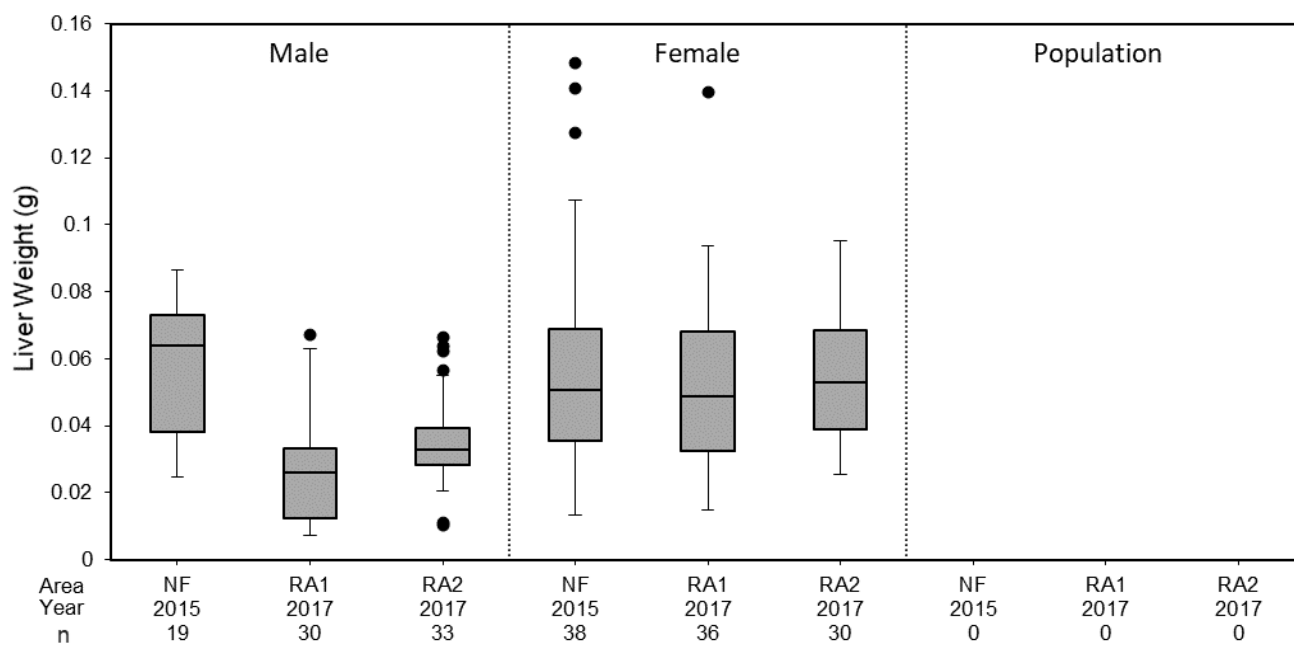
NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; n = sample size.

Figure 6C-6: Liver Somatic Index of Male and Female Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; n = sample size.

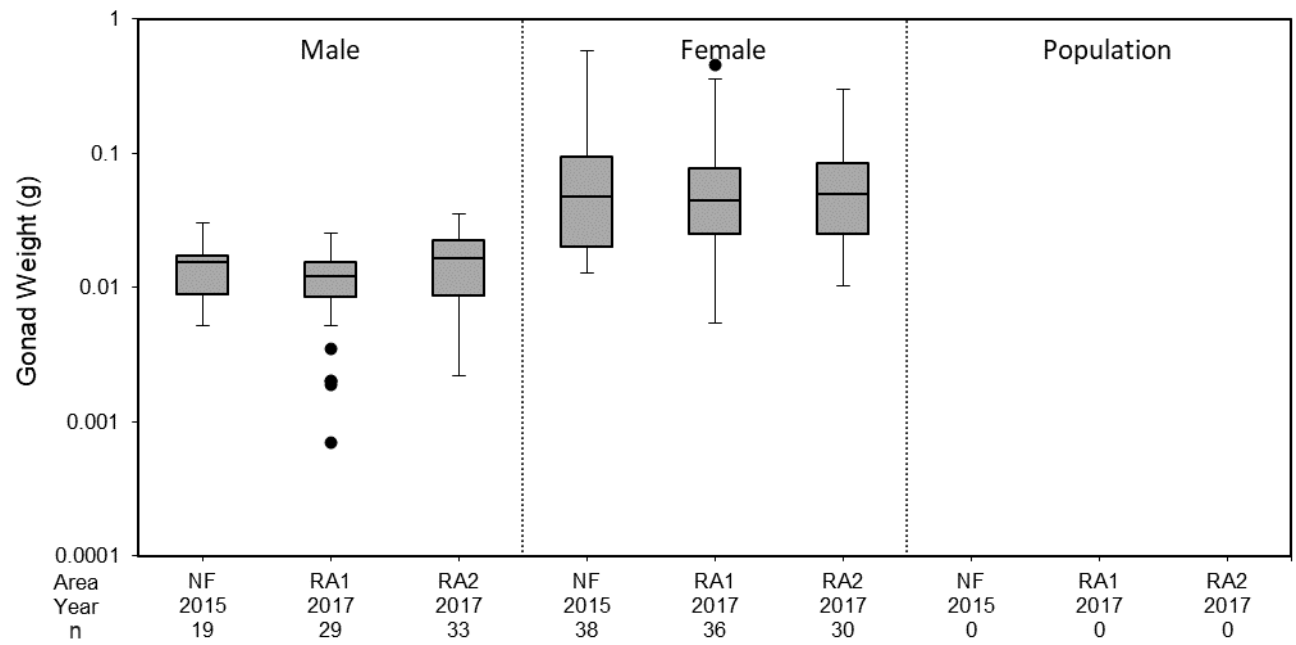
Figure 6C-7: Gonadosomatic Index (log₁₀) of Male and Female Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; g = gram; n = sample size.

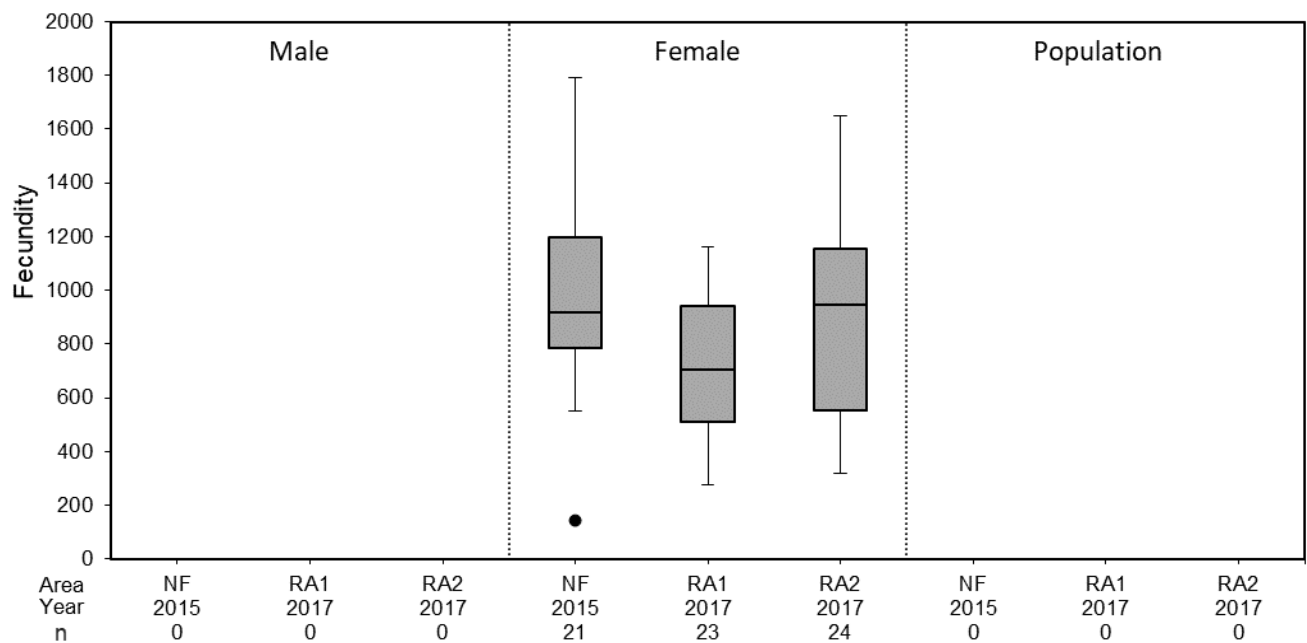
Figure 6C-8: Liver Weight of Male and Female Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017

Boxplots



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; g = gram; n = sample size.

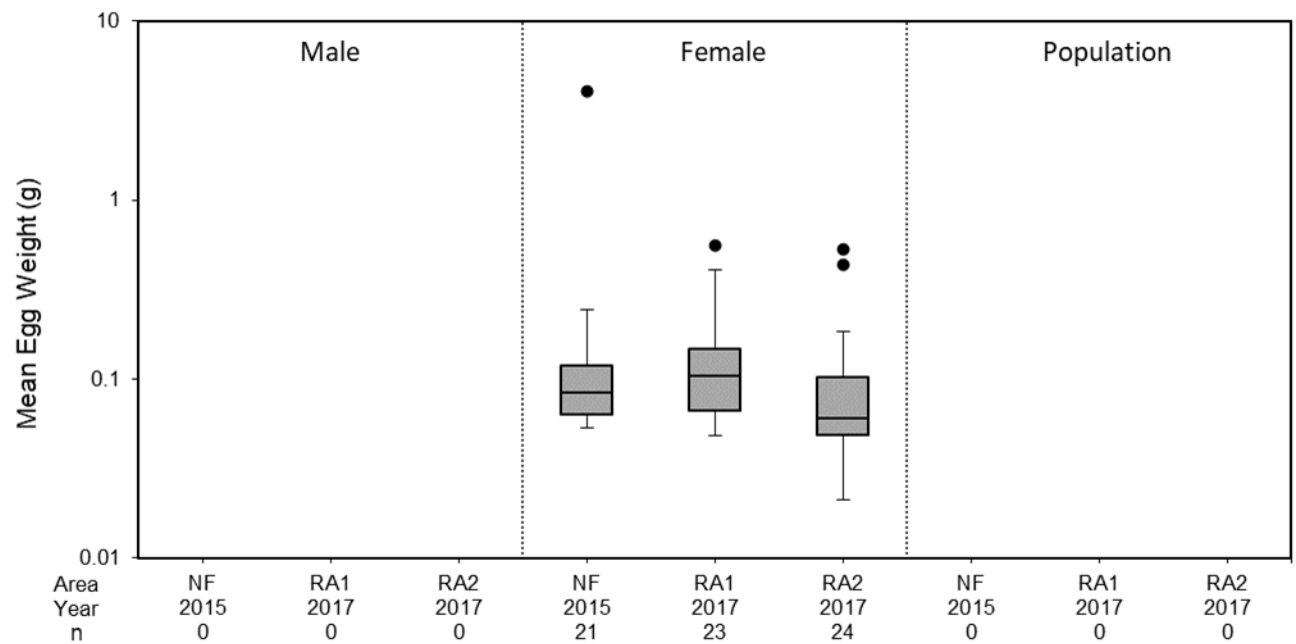
Figure 6C-9: Gonad Weight (log₁₀) of Male and Female Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; n = sample size.

Figure 6C-5: Fecundity of Female Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017

Boxplots



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; g = gram; n = sample size.

Figure 6C-6: Mean Egg Weight (log₁₀) of Female Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017

Table 6D-1: Carcass Chemistry Data for Threespine Stickleback Sampled from the Near-field Area of Meliadine Lake, 2015

FIN Number	Total Length (mm)	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Cesium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silver	Sodium	Strontium	Tellurium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	Zirconium	Lipid Content (%)	Moisture (%)
ML15UNFTHST1003	68.0	2.9	<0.002	0.143	4.32	<0.002	<0.002	<0.2	0.0063	26300	0.0391	0.064	0.0047	0.558	11.1	<0.01	<0.1	546	28.7	0.106	0.0269	0.216	14700	2910	2.22	0.508	<0.001	1490	21.5	<0.004	0.00478	0.162	<0.1	0.00436	<0.02	39.1	<0.04	-	66.2
ML15UNFTHST1006	62.2	<1.0	<0.002	0.140	4.91	<0.002	<0.002	<0.2	0.0074	21000	0.0170	<0.04	0.0087	0.492	11.4	<0.01	<0.1	486	26.6	0.119	0.0175	0.096	12300	2890	2.69	0.392	0.0014	1230	18.6	<0.004	0.00457	0.052	0.10	0.00408	<0.02	43.7	<0.04	-	64.1
ML15UNFTHST1009	54.5	<1.0	<0.002	0.135	3.53	<0.002	<0.002	<0.2	0.0066	21100	0.0180	0.050	0.0075	0.686	12.5	<0.01	<0.1	464	34.5	0.102	0.0166	0.062	12600	2930	2.73	0.514	0.0021	1490	15.6	<0.004	0.00769	0.138	<0.1	0.00234	<0.02	42.2	<0.04	-	67.0
ML15UNFTHST1010	64.6	<1.0	<0.002	0.123	3.27	<0.002	<0.002	<0.2	0.0063	19100	0.0106	<0.04	0.0044	0.538	10.1	<0.01	<0.1	412	30.2	0.137	0.0151	0.043	11200	2380	2.00	0.432	0.0018	1190	13.9	<0.004	0.00434	0.065	<0.1	0.00261	<0.02	40.9	<0.04	-	64.3
ML15UNFTHST1016	63.5	<1.0	<0.002	0.194	4.12	<0.002	<0.002	<0.2	0.0115	21100	0.0203	<0.04	0.0099	0.684	18.1	<0.01	<0.1	506	29.1	0.100	0.0197	0.149	12400	3140	1.68	0.542	0.0021	1500	15.8	<0.004	0.00472	0.116	<0.1	0.00323	<0.02	41.7	<0.04	-	70.3
ML15UNFTHST1017	53.1	<1.0	<0.002	0.120	4.04	<0.002	<0.002	<0.2	0.0074	28500	0.0176	<0.04	0.0067	0.485	13.4	<0.01	<0.1	553	32.6	0.108	0.0117	0.042	15700	2610	2.09	0.444	<0.001	1430	22.3	<0.004	0.00356	0.083	<0.1	0.00364	<0.02	50.2	<0.04	-	64.2
ML15UNFTHST1020	56.3	<1.0	<0.002	0.173	6.64	<0.002	<0.002	<0.2	0.0114	23900	0.0182	<0.04	0.0081	0.560	16.1	<0.01	<0.1	433	30.2	0.103	0.0183	0.416	13800	2830	2.44	0.480	0.0017	1530	21.0	<0.004	0.00431	0.080	<0.1	0.00392	<0.02	43.2	<0.04	-	67.7
ML15UNFTHST1022	59.6	<1.0	<0.002	0.137	3.85	<0.002	<0.002	<0.2	0.0111	19900	0.0209	<0.04	0.0107	0.494	13.6	<0.01	<0.1	382	21.9	0.119	0.0116	0.047	11200	2760	2.43	0.442	<0.001	1270	16.2	<0.004	0.00637	0.038	0.39	0.00453	<0.02	36.6	<0.04	-	68.5
ML15UNFTHST1023	55.7	<1.0	<0.002	0.181	3.98	<0.002	<0.002	<0.2	0.0078	21900	0.0210	<0.04	0.0074	0.570	12.4	<0.01	<0.1	432	22.6	0.133	0.0140	0.111	12100	2680	2.59	0.436	<0.001	1530	17.5	<0.004	0.01260	0.055	<0.1	0.00249	<0.02	44.3	<0.04	-	70.1
ML15UNFTHST1052	59.9	1.9	<0.002	0.134	3.73	<0.002	<0.002	<0.2	0.0041	21200	0.0105	0.066	0.0069	0.424	14.2	0.019	<0.1	434	24.6	0.108	0.0165	0.161	11800	2290	1.44	0.360	<0.001	1080	17.9	<0.004	0.00728	0.038	0.16	0.00227	<0.02	29.5	<0.04	-	53.5
ML15UNFTHST1062	60.6	<1.0	<0.002	0.213	4.82	<0.002	<0.002	<0.2	0.0058	25000	0.0095	<0.04	0.0128	0.578	14.0	<0.01	<0.1	439	34.9	0.095	0.0181	0.117	14100	3000	1.97	0.551	0.0023	1670	21.2	<0.004	0.00335	0.077	<0.1	0.00745	<0.02	43.1	<0.04	-	64.6
ML15UNFTHST1065	60.8	1.0	<0.002	0.167	4.11	<0.002	<0.002	<0.2	0.0051	20800	0.0172	0.207	0.0077	0.844	19.0	0.013	<0.1	445	26.4	0.102	0.0296	0.124	12100	3270	2.50	0.564	0.0029	1600	15.5	<0.004	0.00604	0.116	0.28	0.00474	<0.02	45.2	<0.04	-	64.7
ML15UNFTHST1067	64.8	<1.0	<0.002	0.174	4.52	<0.002	<0.002	<0.2	0.0048	23300	0.0120	<0.04	0.0073	0.495	11.3	<0.01	<0.1	480	22.6	0.085	0.0117	0.074	12900	2460	1.88	0.511	0.0011	1240	19.8	<0.004	0.00432	0.054	0.19	0.00389	<0.02	30.8	<0.04	-	55.7
ML15UNFTHST1068	54.1	1.1	0.0044	0.201	3.53	<0.002	<0.002	<0.2	0.0071	23300	0.0116	0.055	0.0078	0.669	17.6	0.015	<0.1	426	19.4	0.102	0.0222	0.096	13200	3160	2.60	0.588	0.0012	1430	17.1	<0.004	0.00554	0.073	0.12	0.00458	<0.02	34.1	<0.04	-	63.0
ML15UNFTHST1070	55.3	3.2	<0.002	0.267	7.04	<0.002	<0.002	<0.2	0.0177	32400	0.0156	0.171	0.0090	0.628	22.3	0.016	<0.1	658	31.5	0.090	0.0375	0.099	19800	2670	1.60	0.451	0.0030	1420	29.1	<0.004	0.00475	0.210	0.16	0.00407	0.023	61.3	<0.04	-	68.8
ML15UNFTHST1071	46.4	3.3	0.0034	0.240	5.14	<0.002	<0.002	<0.2	0.0081	27500	0.0122	0.049	0.0083	0.600	24.8	0.010	<0.1	475	34.4	0.064	0.0189	0.054	15600	2970	3.01	0.502	0.0017	1600	21.0	<0.004	0.00378	0.073	<0.1	0.00450	<0.02	66.3	<0.04	-	63.7
ML15UNFTHST1076	58.1	2.7	<0.002	0.209	4.38	<0.002	<0.002	<0.2	0.0078	25100	0.0115	<0.04	0.0073	0.639	18.7	0.014	<0.1	448	24.0	0.119	0.0175	0.131	15400	2850	1.36	0.475	0.0050	1600	20.1	<0.004	0.00445	0.089	0.11	0.00411	<0.02	45.9	<0.04	-	64.1
ML15UNFTHST1080	48.3	<1.0	<0.002	0.212	4.52	<0.002	<0.002	<0.2	0.0037	26600	0.0145	0.076	0.0059	0.535	12.7	0.013	<0.1	456	32.2	0.094	0.0190	0.095	14700	2830	2.96	0.452	0.0024	1690	19.7	<0.004	0.00409	0.126	<0.1	0.00271	<0.02	44.3	<0.04	-	66.7
ML15UNFTHST1084	57.4	1.8	<0.002	0.244	5.26	<0.002	<0.002	<0.2	0.0058	25700	0.0145	<0.04	0.0141	0.670	16.0	0.019	<0.1	523	29.7	0.139	0.0155	0.085	14300	3070	3.09	0.489	<0.001	1430	20.4	<0.004	0.00699	0.054	<0.1	0.00681	0.023	67.7	<0.04	-	63.4
ML15UNFTHST1085	56.5	1.0	<0.002	0.395	4.21	<0.002	<0.002	<0.2	0.0068	27500	0.0160	<0.04	0.0060	0.599	16.3	0.014	<0.1	514	32.8	0.111	0.0206	0.050	15400	3430	3.26	0.494	0.0036	1820	22.6	<0.004	0.00569	0.033	<0.1	0.00271	<0.02	49.3	<0.04	-	60.9
ML15UNFTHST1087	47.4	<1.0	<0.002	0.200	3.43	<0.002	<0.002	<0.2	0.0066	20000	0.0118	0.044	0.0066	0.550	10.2	0.018	<0.1	404	16.1	0.074	0.0145	0.128	11900	2930	3.43	0.549	<0.001	1410	16.6	<0.004	0.00478	0.068	<0.1	0.00749	<0.02	45.8	<0.04	-	64.2
ML15UNFTHST1088	46.8	2.4	<0.002	0.176	4.89	<0.002	<0.002	<0.2	0.0063	22600	0.0103	<0.04	0.0069	0.419	13.5	0.022	<0.1	481	24.9	0.101	0.0207	0.072	14000	2720	1.60	0.500	0.0012	1820	20.8	<0.004	0.00611	0.169	<0.1	0.00360	<0.02	36.0	<0.04	-	69.7
ML15UNFTHST1089	54.6	2.8	<0.002	0.217	5.78	<0.002	<0.002	<0.2	0.0115	29600	0.0130	0.043	0.0057	0.556	13.7	0.025	<0.1	590	32.5	0.128	0.0213	0.078	16200	2780	2.30	0.401	0.0042	1620	21.6	<0.004	0.00446	0.073	0.12	0.00707	<0.02	47.0	<0.04	-	63.3
ML15UNFTHST1119	63.9	3.3	<0.002	0.168	5.31	<0.002	<0.002	<0.2	0.0044	23200	0.0175	<0.04	0.0067	0.549	17.5	0.027	<0.1	440	34.6	0.094	0.0186	0.195	14100	2480	1.42	0.421	0.0035	781	18.3	<0.004	0.00482	0.061	0.12	0.00474	<0.02	54.0	<0.04	-	62.5
ML15UNFTHST1122	65.2	1.1	<0.002	0.338	6.54	<0.002	<0.002	<0.2	0.0054	39300	0.0202	0.043	0.0131	0.657	15.9	0.012	<0.1	710	35.3	0.174	0.0219	0.183	20100	2880	2.78	0.515	0.0016	1710	28.0	<0.004	0.00666	0.086	<0.1	0.01140	0.027	86.9	<0.04	-	66.6
ML15UNFTHST1123	66.0	1.1	<0.002	0.225	4.62	<0.002	<0.002	<0.2	0.0056	27800	0.0208	<0.04	0.0105	0.616	10.9	0.015	<0.1	512	35.6	0.142	0.0135	0.095	14500	2990	2.61	0.556	0.0014	1400	21.4	<0.004	0.00807	0.046	<0.1	0.00324	<0.02	71.1	<0.04	-	64.5
ML15UNFTHST1124	68.6	3.2	<0.002	0.180	4.38	<0.002	<0.002	<0.2	0.0035	22500	0.0182	<0.04	0.0059	0.503	14.5	<0.01	<0.1	531	25.5	0.137	0.0139	0.063	14000	3020	1.47	0.462	<0.001	1260	17.2	<0.004	0.00651	0.039	<0.1	0.00427	<0.02	37.8	<0.04	-	64.6
ML15UNFTHST1125	66.5	1.0	<0.002	0.189	4.90	<0.002	0.0024	<0.2	0.0038	30000	0.0324	0.047	0.0053	0.575	12.7	0.015	<0.1	564	22.0	0.128	0.0132	0.085	16500	2580	1.92	0.436	0.0012	1370	22.4	<0.004	0.00532	0.043	<0.1	0.00366	<0.02	61.1	<0.04	-	64.1
ML15UNFTHST1126	70.6	1.5	<0.002	0.150	5.69	<0.002	<0.002	<0.2	0.0062	25500	0.0137	<0.04	0.0075	0.543	11.9	<0.01	<0.1	542	37.3	0.171	0.0135	0.044	15300	2610	1.92	0.394	0.0012	1310	19.9	<0.004	0.00758	0.073							

FIN Number	Total Length (mm)	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Cesium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silver	Sodium	Strontium	Tellurium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	Zirconium	Lipid Content (%)	Moisture (%)
ML15UNFTHST1201	58.4	1.4	<0.002	0.157	5.34	<0.002	<0.002	<0.2	0.0071	28500	0.0145	<0.04	0.0068	0.545	13.8	<0.01	<0.1	557	40.8	0.138	0.0149	0.079	15500	2650	1.97	0.464	0.0024	1650	22.2	<0.004	0.00392	0.155	0.14	0.00561	<0.02	53.7	<0.04	-	69.6
ML15UNFTHST1202	59.0	1.2	<0.002	0.184	4.95	<0.002	<0.002	<0.2	0.0042	26400	0.0114	0.043	0.0126	0.573	16.5	0.014	<0.1	543	29.7	0.096	0.0165	0.162	15100	2750	2.57	0.489	<0.001	1500	22.7	<0.004	0.00636	0.080	<0.1	0.00813	0.023	61.6	<0.04	-	70.4
ML15UNFTHST1215	62.0	1.9	<0.002	0.155	4.05	<0.002	<0.002	<0.2	0.0060	21900	0.0202	0.157	0.0101	0.660	19.7	0.024	<0.1	468	27.5	0.091	0.0196	0.213	12300	2670	2.41	0.463	0.0016	1240	16.9	<0.004	0.00904	0.109	<0.1	0.00268	<0.02	42.0	<0.04	-	65.0
ML15UNFTHST1216	61.7	<1.0	<0.002	0.147	2.04	<0.002	<0.002	<0.2	0.0032	13100	0.0331	0.101	0.0081	0.438	10.1	0.010	<0.1	358	17.0	0.127	0.0118	0.423	8400	2680	2.83	0.393	<0.001	1200	10.0	<0.004	0.00660	0.037	<0.1	0.00266	<0.02	32.2	<0.04	-	71.8
ML15UNFTHST1218	63.3	1.2	<0.002	0.186	3.99	<0.002	<0.002	<0.2	0.0036	23400	0.0139	0.072	0.0061	0.549	12.6	<0.01	<0.1	466	25.1	0.102	0.0168	0.131	14100	2820	1.52	0.474	0.0027	1350	18.1	<0.004	0.00678	0.052	<0.1	0.00224	<0.02	32.1	<0.04	-	65.0
ML15UNFTHST1220	58.1	<1.0	<0.002	0.172	3.61	<0.002	<0.002	<0.2	0.0039	20700	0.0149	0.067	0.0099	0.505	10.0	<0.01	<0.1	512	20.7	0.126	0.0125	0.322	12100	3370	2.85	0.478	<0.001	1290	16.6	<0.004	0.00400	0.037	<0.1	0.00602	<0.02	48.8	<0.04	-	67.3
ML15UNFTHST1221	55.6	<1.0	<0.002	0.149	3.41	<0.002	<0.002	<0.2	0.0038	20900	0.0141	0.043	0.0059	0.430	9.4	0.018	<0.1	447	18.3	0.116	0.0186	0.344	12800	2690	2.10	0.380	<0.001	1370	17.1	<0.004	0.00282	0.067	<0.1	0.00282	<0.02	31.9	<0.04	-	63.4
ML15UNFTHST1222	68.6	<1.0	<0.002	0.249	4.02	<0.002	<0.002	<0.2	0.0037	22800	0.0117	<0.04	0.0063	0.463	16.1	<0.01	<0.1	521	25.0	0.109	0.0160	0.163	13700	2670	1.67	0.434	0.0017	1370	17.1	<0.004	0.00526	0.084	<0.1	0.00554	<0.02	34.0	<0.04	-	69.2
ML15UNFTHST1223	71.4	1.1	<0.002	0.157	4.91	<0.002	<0.002	<0.2	0.0056	27300	0.0175	<0.04	0.0064	0.445	10.7	<0.01	<0.1	544	20.6	0.122	0.0129	0.130	15500	2830	2.04	0.408	<0.001	1570	20.7	<0.004	0.00717	0.033	<0.1	0.00342	<0.02	35.1	<0.04	-	66.9
ML15UNFTHST1235	69.7	1.5	<0.002	0.129	4.02	<0.002	<0.002	<0.2	0.0040	18100	0.0456	<0.04	0.0051	0.550	11.0	0.014	<0.1	395	23.6	0.125	0.0112	0.078	10700	2690	2.45	0.420	<0.001	1270	14.7	<0.004	0.00639	0.060	<0.1	0.00216	<0.02	39.5	<0.04	-	70.2
ML15UNFTHST1237	63.5	<1.0	<0.002	0.224	3.91	<0.002	<0.002	<0.2	0.0045	21600	0.0091	<0.04	0.0082	0.544	13.4	0.011	<0.1	475	32.7	0.088	0.0181	0.084	13000	2950	2.14	0.490	0.0032	1450	17.8	<0.004	0.00541	0.056	<0.1	0.00435	<0.02	24.8	<0.04	-	65.2
ML15UNFTHST1239	62.1	1.4	<0.002	0.190	7.16	<0.002	<0.002	<0.2	0.0041	31900	0.0513	<0.04	0.0085	0.556	14.0	<0.01	<0.1	615	21.1	0.123	0.0137	0.152	17000	2920	1.96	0.505	<0.001	1370	28.9	<0.004	0.01170	0.049	0.27	0.00533	<0.02	51.3	<0.04	-	63.4
ML15UNFTHST1241	72.1	<1.0	<0.002	0.237	4.44	<0.002	<0.002	<0.2	0.0039	21900	0.0152	<0.04	0.0074	0.412	12.2	<0.01	<0.1	490	27.1	0.116	0.0147	0.052	12900	2640	2.18	0.452	<0.001	1350	16.6	<0.004	0.00540	0.062	<0.1	0.00411	<0.02	38.9	<0.04	-	67.8
ML15UNFTHST1243	66.9	1.3	<0.002	0.183	3.24	<0.002	<0.002	<0.2	0.0046	17700	0.0123	<0.04	0.0077	0.474	14.5	0.014	<0.1	445	19.2	0.131	0.0162	0.063	10900	2630	1.91	0.466	0.0012	1240	13.6	<0.004	0.00696	0.097	<0.1	0.00291	<0.02	31.6	<0.04	-	70.6
ML15UNFTHST1244	61.7	<1.0	<0.002	0.140	3.95	<0.002	<0.002	<0.2	0.0065	28600	0.0154	<0.04	0.0080	0.556	13.3	<0.01	<0.1	552	30.9	0.127	0.0137	0.073	14800	2970	1.82	0.446	0.0015	1420	19.9	<0.004	0.00680	0.126	<0.1	0.00559	<0.02	52.9	<0.04	-	65.3
ML15UNFTHST1246	63.0	1.2	<0.002	0.156	4.55	<0.002	<0.002	<0.2	0.0064	26800	0.0351	<0.04	0.0069	0.650	12.7	<0.01	<0.1	580	27.1	0.162	0.0102	0.065	14400	2980	2.19	0.473	<0.001	1250	21.6	<0.004	0.00689	0.057	<0.1	0.00488	<0.02	60.1	<0.04	-	66.1
ML15UNFTHST1247	60.1	<1.0	<0.002	0.129	4.33	<0.002	<0.002	<0.2	0.0211	19700	0.0247	<0.04	0.0063	0.815	17.0	<0.01	<0.1	409	26.2	0.152	0.0163	0.058	11500	2500	2.32	0.577	0.0137	1440	16.8	<0.004	0.00310	0.046	<0.1	0.00223	<0.02	40.9	<0.04	-	70.7
ML15UNFTHST1249	63.5	<1.0	<0.002	0.294	4.46	<0.002	<0.002	<0.2	0.0051	25800	0.0158	<0.04	0.0092	0.637	16.0	<0.01	<0.1	535	31.4	0.152	0.0136	0.062	13900	3000	2.05	0.520	0.0024	1430	19.0	<0.004	0.00767	0.045	0.11	0.00948	0.031	60.9	<0.04	-	67.6
ML15UNFTHST1250	62.1	<1.0	<0.002	0.154	4.22	<0.002	<0.002	<0.2	0.0070	20000	0.0112	<0.04	0.0083	0.596	17.8	<0.01	<0.1	420	28.7	0.070	0.0166	0.081	11900	2600	2.33	0.479	0.0023	1230	16.5	<0.004	0.00897	0.055	<0.1	0.00343	<0.02	36.1	<0.04	-	65.5
ML15UNFTHST1252	59.8	4.7	<0.002	0.181	6.60	<0.002	<0.002	<0.2	0.0067	32200	0.0181	0.047	0.0121	0.542	19.1	<0.01	<0.1	593	28.1	0.151	0.0145	0.098	16500	3010	2.60	0.385	0.0018	1570	26.0	<0.004	0.00697	0.062	<0.1	0.00885	0.028	77.2	<0.04	-	67.9
ML15UNFTHST1253	56.9	<1.0	<0.002	0.213	3.05	<0.002	<0.002	<0.2	0.0027	15500	0.0100	<0.04	0.0060	0.565	13.6	<0.01	<0.1	369	14.7	0.089	0.0122	0.055	9330	2660	2.30	0.428	<0.001	1170	12.7	<0.004	0.00510	0.060	0.18	0.00263	<0.02	28.1	<0.04	-	67.8

Note: all values in milligram per kilogram wet weight (mg/kg ww) except where indicated.
mm = millimetre; % = percent; < = less than; - = not recorded or not applicable.

Table 6D-2: Carcass Chemistry Data for Threespine Stickleback Sampled from Reference Area 1 of Meliadine Lake, 2017

FIN Number	Total Length (mm)	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Cesium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silver	Sodium	Strontium	Tellurium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	Zirconium	Lipid Content (%)	Moisture (%)
ML17URA1THST2000	64.4	2.5	0.0043	0.106	3.93	<0.002	<0.002	<0.2	0.0042	14500	0.0253	0.316	0.0109	0.659	17.0	0.012	<0.1	312	14.5	0.192	0.0724	0.397	9050	2480	2.79	0.584	<0.001	1240	12.1	<0.004	0.00341	0.061	0.10	0.00216	<0.02	42.1	0.112	7.2	71.4
ML17URA1THST2001	63.6	1.4	<0.002	0.137	6.14	<0.002	<0.002	<0.2	0.0033	25600	0.0161	0.189	0.0128	0.794	21.6	<0.01	<0.1	539	42.2	0.102	0.0618	1.18	15700	2470	2.64	0.553	<0.001	1160	19.6	<0.004	0.00612	0.053	<0.1	0.00290	<0.02	46.3	<0.04	7.6	65.5
ML17URA1THST2057	62.9	2.7	<0.002	0.139	5.40	<0.002	<0.002	<0.2	0.0071	28600	0.0207	0.176	0.0141	0.655	22.0	0.020	<0.1	563	38.1	0.087	0.0352	2.25	16900	2820	2.45	0.696	<0.001	1450	21.5	<0.004	0.00517	0.025	<0.1	0.00524	<0.02	44.0	0.088	8.1	63.8
ML17URA1THST2059	59.3	1.9	<0.002	0.111	6.13	<0.002	<0.002	<0.2	0.0073	22500	0.0159	0.134	0.0071	0.622	17.0	0.010	0.24	463	30.5	0.122	0.0418	0.250	13200	2210	1.68	0.553	0.0029	1250	18.3	<0.004	0.00380	0.021	<0.1	0.00689	<0.02	45.8	<0.04	4.8	69.4
ML17URA1THST2060	70.1	1.8	<0.002	0.067	3.95	<0.002	<0.002	<0.2	0.0122	15500	0.0271	0.097	0.0104	1.21	21.2	<0.01	<0.1	410	17.0	0.120	0.0224	0.482	9960	2660	2.30	0.898	0.0117	1180	13.5	<0.004	0.00697	0.047	0.11	0.00171	<0.02	32.5	<0.04	8.4	67.2
ML17URA1THST2062	67.5	2.9	<0.002	0.151	4.63	<0.002	<0.002	<0.2	0.0074	17900	0.0199	0.046	0.0113	0.636	16.3	0.017	0.19	430	26.1	0.117	0.0131	1.37	11100	3000	2.27	0.677	0.0023	1260	13.0	<0.004	0.00591	0.023	0.10	0.00606	<0.02	54.4	<0.04	7.9	68.2
ML17URA1THST2063	60.6	1.8	<0.002	0.068	5.19	<0.002	<0.002	<0.2	0.0061	22500	0.0144	0.090	0.0116	0.603	18.1	0.019	<0.1	409	23.2	0.150	0.0344	0.503	13700	2870	2.33	0.521	0.0015	1560	19.3	<0.004	0.00439	0.051	<0.1	0.00324	<0.02	33.7	<0.04	4.6	67.7
ML17URA1THST2064	66.4	<1.0	0.0022	0.092	3.81	<0.002	<0.002	<0.2	0.0028	17700	0.0199	<0.04	0.0111	0.439	11.5	<0.01	<0.1	420	19.1	0.138	0.0103	1.87	10900	2580	2.73	0.537	<0.001	1090	15.6	<0.004	0.00383	<0.02	<0.1	0.00143	<0.02	38.2	<0.04	7.7	68.2
ML17URA1THST2065	56.7	1.5	<0.002	0.044	4.49	<0.002	<0.002	<0.2	0.0034	21200	0.0234	0.067	0.0076	0.622	17.1	0.011	0.52	486	25.6	0.115	0.0231	0.219	13200	2840	2.50	0.507	0.0016	1270	18.7	<0.004	0.00354	<0.02	<0.1	0.00188	<0.02	43.0	0.050	6.1	67.2
ML17URA1THST2066	60.5	2.0	<0.002	0.057	5.25	<0.002	<0.002	<0.2	0.0034	23900	0.0112	0.073	0.0119	0.595	26.6	<0.01	0.25	447	27.2	0.125	0.0181	3.38	14000	2520	1.64	0.456	0.0011	1340	22.2	<0.004	0.00631	<0.02	<0.1	0.00297	<0.02	36.4	<0.04	6.3	65.3
ML17URA1THST2067	40.7	2.8	0.0034	0.074	7.17	<0.002	<0.002	<0.2	0.0094	26200	0.0182	0.372	0.0221	0.852	24.2	0.015	0.75	623	27.6	0.165	0.0589	0.633	15400	3450	4.35	0.520	0.0016	1340	25.0	<0.004	0.01180	0.024	0.13	0.00471	0.073	60.3	<0.04	-	60.4
ML17URA1THST2068	68.5	1.1	<0.002	0.077	3.80	<0.002	<0.002	<0.2	0.0032	20000	0.0190	0.120	0.0110	0.594	15.3	<0.01	0.11	467	16.0	0.119	0.0112	3.76	11800	2470	2.19	0.582	<0.001	1190	15.6	<0.004	0.00374	<0.02	<0.1	0.00267	<0.02	38.5	<0.04	7.6	67.3
ML17URA1THST2069	61.6	1.8	<0.002	0.060	9.05	<0.002	<0.002	<0.2	0.0036	29500	0.0167	0.120	0.0120	0.642	18.7	<0.01	0.20	560	31.6	0.145	0.0283	0.146	16800	2630	2.33	0.550	<0.001	1510	24.4	<0.004	0.00384	<0.02	0.13	0.00448	<0.02	49.3	<0.04	6.5	63.4
ML17URA1THST2070	66.4	6.2	<0.002	0.057	6.42	<0.002	0.0023	<0.2	0.0040	29100	0.0259	1.65	0.0101	0.509	47.2	0.017	0.20	611	22.7	0.193	0.0247	0.751	16400	2530	2.26	0.466	<0.001	1400	24.3	<0.004	0.00297	<0.02	0.22	0.00558	0.030	42.2	<0.04	3.7	66.4
ML17URA1THST2071	44.8	1.6	<0.002	0.048	5.67	<0.002	<0.002	<0.2	0.0040	23300	0.0127	0.166	0.0171	0.809	21.5	<0.01	0.23	572	29.8	0.105	0.0345	0.215	14700	3270	3.32	0.456	0.0015	1430	23.6	<0.004	0.00611	<0.02	0.30	0.00233	0.026	51.5	<0.04	-	62.1
ML17URA1THST2072	61.6	1.8	<0.002	0.089	5.22	<0.002	<0.002	<0.2	0.0045	25200	0.0189	0.860	0.0128	0.673	23.3	<0.01	0.19	505	28.0	0.140	0.0297	1.79	14800	2640	2.22	0.555	0.0013	1310	19.9	<0.004	0.00513	<0.02	<0.1	0.00278	0.021	52.1	<0.04	8.7	65.1
ML17URA1THST2073	60.0	1.2	<0.002	0.122	4.25	<0.002	<0.002	<0.2	0.0048	16900	0.0191	0.066	0.0130	0.677	18.0	<0.01	0.12	415	23.7	0.079	0.0286	0.401	10600	2580	3.32	0.572	<0.001	792	14.3	<0.004	0.00856	<0.02	<0.1	0.00169	<0.02	40.4	<0.04	10.8	68.6
ML17URA1THST2074	64.2	2.9	<0.002	0.121	5.86	<0.002	<0.002	<0.2	0.0048	29700	0.0393	3.08	0.0295	0.587	50.6	<0.01	0.29	594	27.4	0.153	0.0586	9.82	16800	2910	2.70	0.622	<0.001	1670	23.6	<0.004	0.00415	<0.02	0.13	0.00270	0.029	49.5	<0.04	6.8	62.9
ML17URA1THST2075	38.5	1.4	0.0075	0.065	4.89	<0.002	<0.002	<0.2	0.0041	22100	0.0190	0.170	0.0229	0.872	52.0	0.011	0.30	559	22.0	0.139	0.0290	0.371	13500	2820	3.57	0.548	<0.001	935	21.1	<0.004	0.00625	<0.02	<0.1	0.00185	<0.02	54.2	<0.04	-	64.3
ML17URA1THST2078	66.3	1.9	<0.002	0.061	6.54	<0.002	<0.002	<0.2	0.0031	27700	0.0180	0.459	0.0085	0.465	20.8	<0.01	0.17	532	20.7	0.263	0.0181	0.686	15700	2360	1.92	0.541	<0.001	1440	20.8	<0.004	0.00417	<0.02	<0.1	0.00540	0.020	41.7	<0.04	3.5	65.5
ML17URA1THST2079	76.5	2.1	<0.002	0.086	4.90	<0.002	<0.002	<0.2	0.0065	19700	0.0478	0.073	0.0102	0.647	21.6	0.012	<0.1	473	18.5	0.157	0.0207	0.099	12200	2660	2.99	0.670	0.0012	1400	16.2	<0.004	0.00503	<0.02	<0.1	0.00302	0.022	35.4	<0.04	4.5	67.2
ML17URA1THST2213	70.5	1.6	<0.002	0.209	4.27	<0.002	<0.002	<0.2	0.0050	23200	0.0302	0.532	0.0122	0.904	25.2	0.011	0.30	599	29.3	0.111	0.0693	0.167	15300	2680	3.76	0.626	<0.001	1140	14.9	<0.004	0.00469	0.028	<0.1	0.00652	<0.02	47.6	<0.04	6.5	64.4
ML17URA1THST2214	63.5	9.9	0.0021	0.158	4.44	<0.002	<0.002	<0.2	0.0055	33200	0.0291	0.428	0.0330	0.803	40.3	0.136	0.23	573	35.3	0.112	0.0308	10.4	16800	2910	2.94	0.774	0.0010	1360	21.3	<0.004	0.00452	<0.02	0.44	0.00377	0.035	44.9	<0.04	7.4	59.4
ML17URA1THST2215	44.4	2.3	<0.002	0.142	5.60	<0.002	<0.002	<0.2	0.0144	25900	0.0237	0.544	0.0127	0.881	19.8	0.014	0.29	459	20.9	0.164	0.0924	1.82	14700	2520	2.84	0.700	0.0036	1540	20.4	<0.004	0.00337	0.045	<0.1	0.00560	<0.02	54.0	<0.04	-	66.7
ML17URA1THST2216	65.7	<2.0	<0.004	0.168	4.68	<0.004	<0.004	<0.4	0.0073	27700	0.0317	0.173	0.0170	0.744	18.5	<0.02	0.41	561	39.5	0.090	0.0160	1.72	16500	2840	3.79	0.596	0.0027	1240	20.5	<0.008	0.01170	<0.04	<0.2	0.00429	<0.04	63.0	<0.08	6.1	64.3
ML17URA1THST2217	56.1	<1.0	<0.002	0.108	4.58	<0.002	<0.002	0.30	0.0046	22300	0.0201	0.043	0.0078	0.519	11.9	<0.01	0.13	447	23.8	0.095	0.0229	0.191	12900	2930	2.87	0.552	<0.001	1340	16.5	<0.004	0.00297	<0.02	<0.1	0.00354	<0.02	47.3	<0.04	-	66.0
ML17URA1THST2218	62.6	2.1	<0.004	0.152	7.50	<0.004	<0.004	<0.4	0.0056	36900	0.0234	0.835	0.0115	0.773	26.1	<0.02	<0.2	656	48.1	0.098	0.0520	0.804	19300	2910	2.88	0.784	<0.002	1590	25.4	<0.008	0.00498	<0.04	<0.2	0.00609	<0.04	58.8	<0.08	4.5	59.6
ML17URA1THST2219	53.6	1.5	0.0042	0.091	5.12	<0.002	0.0049	0.21	0.0079	25000	0.0309	0.539	0.0106	0.649	18.0	<0.01	0.17	568	21.7	0.134	0.0836	0.198	15600	3130	2.88	0.604	0.0015	1390	18.2	<0.004	0.00515	0.027	0.11	0.00357	0.045	57.3	<0.04	-	63.6
ML17URA1THST2220	68.2	<2.0	<0.004	0.126	5.94	<0.004	<0.004	<0.4	0.0052	24300	0.0268	0.683	0.0140	0.542	19.5	<0.02	<0.2	502	26.7	0.106	0.0320	2.91	13500	2640	2.76	0.594	<0.002	1360	17.1	<0.008	0.00411	<							

FIN Number	Total Length (mm)	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Cesium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silver	Sodium	Strontium	Tellurium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	Zirconium	Lipid Content (%)	Moisture (%)
ML17URA1THST2232	60.6	2.1	<0.004	0.094	4.60	<0.004	<0.004	<0.4	0.0040	26400	0.0280	1.83	0.0176	0.570	29.6	<0.02	<0.2	590	21.9	0.083	0.0370	0.785	15100	3110	3.42	0.582	<0.002	1310	19.5	<0.008	0.01600	<0.04	<0.2	0.00278	<0.04	56.6	<0.08	3.6	66.2
ML17URA1THST2233	55.4	1.4	<0.002	0.109	3.84	<0.002	<0.002	<0.2	0.0069	18100	0.0356	<0.04	0.0089	0.810	19.1	<0.01	0.12	438	23.9	0.120	0.0225	0.304	11500	3030	3.99	0.618	0.0036	1290	13.9	<0.004	0.00369	<0.02	<0.1	0.00275	<0.02	50.7	<0.04	5.4	66.8
ML17URA1THST2234	60.8	1.3	<0.002	0.111	5.33	<0.002	<0.002	0.20	0.0043	23200	0.0241	1.03	0.0098	0.554	18.3	<0.01	<0.1	476	21.1	0.115	0.0263	0.722	14100	2930	3.10	0.552	<0.001	1330	18.8	<0.004	0.01070	<0.02	<0.1	0.00422	<0.02	47.5	<0.04	5.2	65.9
ML17URA1THST2239	52.5	3.2	<0.004	0.046	4.76	<0.004	<0.004	<0.4	0.0061	27400	0.0195	<0.08	0.0087	0.713	16.3	<0.02	<0.2	508	19.8	0.209	<0.016	0.372	15700	2670	1.87	0.585	<0.002	1510	25.3	<0.008	0.00311	<0.04	<0.2	0.00296	<0.04	56.5	<0.08	-	67.1
ML17URA1THST2240	56.5	1.5	<0.002	0.084	6.41	<0.002	0.0022	0.30	0.0041	31800	0.0253	2.76	0.0207	0.688	42.8	0.010	0.17	628	25.5	0.200	0.0638	1.58	17900	2500	2.36	0.511	0.0015	1570	26.8	<0.004	0.00475	0.022	<0.1	0.00486	0.060	57.2	<0.04	1.0	68.5
ML17URA1THST2247	54.0	8.6	<0.002	0.198	6.79	<0.002	<0.002	0.52	0.0072	31200	0.0315	0.104	0.0201	0.960	42.3	0.049	0.31	738	43.0	0.155	0.0226	0.447	19300	2950	3.62	0.754	0.0032	1850	28.1	<0.004	0.00667	0.039	0.81	0.00879	0.034	87.1	<0.04	4.0	58.2
ML17URA1THST2253	53.8	6.2	<0.002	0.162	5.08	<0.002	<0.002	0.38	0.0076	26600	0.0297	0.583	0.0133	0.793	33.0	0.013	0.40	548	33.4	0.083	0.0478	0.201	16300	2490	3.64	0.572	<0.001	1410	22.6	<0.004	0.00350	0.029	0.51	0.00605	0.021	51.0	<0.04	-	67.5
ML17URA1THST2254	52.0	1.7	<0.002	0.186	6.12	<0.002	<0.002	0.49	0.0072	28100	0.0308	5.73	0.0302	0.802	70.9	<0.01	0.21	506	37.3	0.119	0.0666	7.39	16200	2630	3.25	0.695	<0.001	1410	19.9	<0.004	0.00536	0.026	0.17	0.00551	0.058	55.9	<0.04	-	63.4
ML17URA1THST2255	57.3	2.7	<0.002	0.126	4.08	<0.002	<0.002	0.40	0.0076	21500	0.0226	0.073	0.0087	0.676	22.7	<0.01	0.35	468	24.4	0.111	0.0149	0.273	12800	2590	2.92	0.574	<0.001	1240	18.0	<0.004	0.00474	0.022	0.23	0.00320	<0.02	39.9	<0.04	4.8	66.0
ML17URA1THST2256	48.0	2.7	<0.002	0.191	5.65	<0.002	<0.002	0.32	0.0075	30100	0.0214	1.05	0.0169	0.598	29.0	<0.01	<0.1	485	32.4	0.082	0.0469	1.98	17500	2600	3.46	0.567	0.0013	1490	25.5	<0.004	0.00325	0.029	0.16	0.00750	<0.02	55.4	<0.04	-	64.4
ML17URA1THST2258	55.5	2.7	<0.002	0.136	6.33	<0.002	<0.002	0.37	0.0063	27600	0.0310	1.29	0.0164	0.628	30.0	<0.01	<0.1	559	41.2	0.115	0.0303	1.20	16700	2450	2.96	0.570	<0.001	1580	22.3	<0.004	0.00478	<0.02	0.24	0.00557	0.020	46.2	<0.04	-	65.0
ML17URA1THST2260	69.0	1.8	<0.002	0.160	4.53	<0.002	<0.002	<0.2	0.0076	24000	0.0240	0.717	0.0177	0.764	22.2	0.027	0.46	523	30.5	0.082	0.0222	1.06	14200	2380	3.46	0.661	0.0018	1190	18.5	<0.004	0.00490	<0.02	<0.1	0.00463	<0.02	47.2	0.055	7.1	63.7
ML17URA1THST2261	59.7	3.9	<0.002	0.183	4.74	<0.002	<0.002	0.22	0.0065	24800	0.0206	0.456	0.0171	0.900	30.1	0.012	0.18	475	27.0	0.129	0.0240	0.381	14200	2720	2.97	0.648	0.0015	1460	20.1	<0.004	0.00442	<0.02	0.28	0.00364	<0.02	45.0	<0.04	6.0	65.0
ML17URA1THST2262	60.5	2.2	<0.002	0.115	5.04	<0.002	<0.002	<0.2	0.0052	22900	0.0182	1.93	0.0236	0.794	31.9	<0.01	0.13	490	33.4	0.074	0.0369	1.24	13900	2700	3.00	0.576	<0.001	1260	19.6	<0.004	0.00379	<0.02	0.13	0.00292	0.026	49.7	0.099	5.6	64.1
ML17URA1THST2263	65.1	4.9	<0.002	0.119	6.28	<0.002	<0.002	<0.2	0.0059	25400	0.0412	0.511	0.0129	0.779	25.0	<0.01	0.37	599	28.8	0.120	0.0216	0.328	15200	2470	2.60	0.689	<0.001	1330	22.0	<0.004	0.00554	<0.02	0.22	0.00581	<0.02	44.0	<0.04	3.9	66.7
ML17URA1THST2264	57.6	5.2	<0.002	0.166	4.77	<0.002	<0.002	0.22	0.0120	26100	0.0343	2.08	0.0203	0.673	39.9	0.016	<0.1	529	29.5	0.131	0.0541	0.802	14300	2540	3.22	0.553	<0.001	1540	18.3	<0.004	0.00343	<0.02	0.36	0.00757	0.032	56.3	<0.04	4.0	66.3
ML17URA1THST2268	48.3	5.4	<0.002	0.161	6.26	<0.002	<0.002	0.53	0.0090	32000	0.0245	1.27	0.0232	0.814	33.0	0.012	<0.1	653	29.9	0.093	0.0436	3.56	19500	2920	2.50	0.598	0.0024	1270	25.1	<0.004	0.00613	<0.02	0.48	0.00742	0.033	60.2	<0.04	-	61.9
ML17URA1THST2269	50.8	11.7	<0.002	0.144	5.84	<0.002	<0.002	0.30	0.0076	25500	0.0319	0.259	0.0169	0.733	42.6	0.020	0.37	526	26.0	0.110	0.0334	0.363	15300	2970	3.33	0.771	0.0013	1520	20.1	<0.004	0.00528	0.024	0.64	0.00846	0.057	45.6	<0.04	-	67.5
ML17URA1THST2270	67.3	2.8	<0.002	0.120	4.81	<0.002	<0.002	0.24	0.0047	22700	0.0418	0.421	0.0131	0.530	20.0	0.014	<0.1	474	17.9	0.136	0.0265	1.19	13500	2880	3.32	0.596	<0.001	1150	18.4	<0.004	0.00419	0.024	0.18	0.00364	<0.02	41.3	0.077	4.4	68.5
ML17URA1THST2271	71.5	2.8	<0.002	0.095	6.36	<0.002	<0.002	0.22	0.0033	24300	0.0274	0.101	0.0117	0.578	20.6	0.019	0.10	545	22.2	0.131	0.0192	0.275	14100	2690	1.89	0.658	<0.001	1070	18.1	<0.004	0.00572	0.039	0.15	0.00561	0.033	35.7	<0.04	4.1	67.5
ML17URA1THST2336	38.2	5.5	<0.002	0.122	5.61	<0.002	<0.002	0.46	0.0184	21800	0.0242	3.30	0.0391	0.871	82.3	0.016	<0.1	576	28.0	0.059	0.0783	2.06	14000	2910	4.28	0.778	0.0012	1470	20.6	<0.004	0.00721	0.057	0.47	0.00471	0.082	57.1	0.051	-	69.2
ML17URA1THST2345	66.9	1.3	<0.002	0.113	7.24	<0.002	<0.002	0.26	0.0049	33700	0.0197	0.111	0.0122	0.625	17.5	<0.01	<0.1	629	30.1	0.126	0.0178	0.109	19700	2890	2.39	0.596	<0.001	1420	25.2	<0.004	0.00373	0.029	0.12	0.00528	<0.02	57.4	0.118	4.1	64.1
ML17URA1THST2347	62.6	2.1	<0.002	0.105	7.40	<0.002	<0.002	0.30	0.0134	29700	0.0259	0.360	0.0137	0.687	20.0	0.015	<0.1	594	33.6	0.118	0.0277	0.313	16300	3120	2.39	0.745	0.0011	1560	22.6	<0.004	0.00517	0.031	0.12	0.00637	<0.02	52.0	<0.04	7.8	62.1
ML17URA1THST2352	40.4	1.4	<0.002	0.126	5.71	<0.002	<0.002	0.23	0.0285	22500	0.0217	0.633	0.0282	0.775	25.5	0.011	<0.1	524	29.2	0.061	0.0315	6.37	13400	3360	4.28	0.619	<0.001	1350	21.8	<0.004	0.00325	<0.02	0.11	0.00263	<0.02	51.0	<0.04	-	66.1
ML17URA1THST2355	64.5	1.5	<0.002	0.203	6.36	<0.002	<0.002	0.21	0.0140	32300	0.0320	0.423	0.0103	1.04	31.5	0.022	<0.1	581	32.9	0.090	0.0271	0.278	18200	2860	3.03	0.624	0.0035	1680	23.3	<0.004	0.00368	0.037	<0.1	0.00784	<0.02	58.9	<0.04	3.9	64.1
ML17URA1THST2356	69.1	5.8	0.0030	0.099	5.71	<0.002	<0.002	<0.2	0.0038	30600	0.0241	4.06	0.0485	1.14	41.0	0.059	<0.1	652	29.6	0.137	0.0554	3.28	17600	2680	3.15	0.618	0.0011	1310	21.5	<0.004	0.00778	<0.02	0.26	0.00738	0.044	39.7	0.043	4.3	66.0
ML17URA1THST2357	65.3	1.7	<0.002	0.097	8.78	<0.002	<0.002	0.22	0.0026	27500	0.0184	0.413	0.0119	0.685	22.2	0.018	<0.1	647	28.5	0.085	0.0409	0.391	16400	2840	1.95	0.558	<0.001	1180	21.2	<0.004	0.00376	0.023	0.14	0.00559	0.027	50.0	<0.04	5.9	63.7

Note: all values in milligram per kilogram wet weight (mg/kg ww) except where indicated.
mm = millimetre; % = percent; < = less than; - = not recorded or not applicable.

FIN Number	Total Length (mm)	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Cesium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silver	Sodium	Strontium	Tellurium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	Zirconium	Lipid Content (%)	Moisture (%)
ML17URA2THST3000	64.8	<2.0	<0.004	0.156	6.46	<0.004	<0.004	<0.4	<0.004	28800	0.0273	1.36	0.0110	0.626	35.7	<0.02	<0.2	646	35.3	0.077	0.0590	0.686	16800	2740	2.90	0.531	<0.002	1450	21.4	<0.008	0.00486	<0.04	<0.2	0.00592	<0.04	73.4	<0.08	5.0	63.4
ML17URA2THST3001	60.1	1.8	<0.002	0.179	5.61	<0.002	<0.002	0.26	0.0063	24800	0.0238	0.205	0.0111	0.707	21.6	0.011	<0.1	518	29.7	0.058	0.0195	0.109	14000	2950	3.95	0.603	0.0014	1270	18.5	<0.004	0.00621	<0.02	0.12	0.00738	<0.02	49.9	<0.04	6.1	65.0
ML17URA2THST3002	49.5	1.3	<0.002	0.219	8.20	<0.002	<0.002	0.35	0.0065	34300	0.0237	0.926	0.0133	0.630	23.8	<0.01	<0.1	660	46.9	0.066	0.0714	1.04	19800	3150	3.88	0.633	<0.001	1530	25.6	<0.004	0.00346	0.024	0.15	0.00615	<0.02	65.8	<0.04	-	62.3
ML17URA2THST3004	51.7	1.6	<0.002	0.202	6.53	<0.002	<0.002	<0.2	0.0101	26700	0.0304	1.03	0.0148	0.882	19.2	0.011	<0.1	570	30.7	0.076	0.0597	1.14	15300	2940	3.45	0.626	<0.001	1350	19.9	<0.004	0.00365	<0.02	0.10	0.00736	<0.02	52.4	<0.04	-	62.0
ML17URA2THST3005	55.6	2.3	<0.002	0.178	4.95	<0.002	<0.002	0.22	0.0072	23800	0.0270	0.423	0.0165	0.837	24.1	0.010	<0.1	543	22.7	0.074	0.0366	0.248	14900	2950	4.44	0.698	0.0011	1260	18.8	<0.004	0.00385	<0.02	0.16	0.00746	<0.02	50.0	<0.04	-	64.1
ML17URA2THST3006	52.5	1.9	<0.002	0.239	6.46	<0.002	<0.002	<0.2	0.0087	31600	0.0251	1.04	0.0158	0.629	27.8	0.015	<0.1	679	38.4	0.070	0.0398	1.04	18700	2600	3.78	0.552	<0.001	1490	22.7	<0.004	0.00499	<0.02	0.12	0.01020	<0.02	62.4	0.053	-	59.6
ML17URA2THST3007	66.2	1.8	<0.002	0.157	4.41	<0.002	<0.002	<0.2	0.0061	25200	0.0273	0.301	0.0129	0.680	21.7	0.011	<0.1	576	26.9	0.061	0.0189	0.225	15300	2440	3.66	0.591	<0.001	1320	18.8	<0.004	0.00860	<0.02	<0.1	0.00736	<0.02	49.5	<0.04	5.6	62.5
ML17URA2THST3008	60.9	2.1	<0.002	0.156	4.43	<0.002	<0.002	<0.2	0.0040	19000	0.0251	0.997	0.0182	0.712	25.8	0.010	<0.1	450	26.9	0.059	0.0332	1.96	11800	2660	3.30	0.579	<0.001	1230	14.4	<0.004	0.00390	<0.02	0.20	0.00448	<0.02	47.5	<0.04	8.5	62.5
ML17URA2THST3009	54.9	2.5	<0.002	0.170	4.09	<0.002	<0.002	0.25	0.0078	20100	0.0231	0.080	0.0097	0.706	22.5	0.016	<0.1	443	24.2	0.057	0.0188	0.240	12500	2100	3.26	0.557	<0.001	1240	16.4	<0.004	0.00473	0.030	0.16	0.00572	<0.02	48.9	<0.04	6.1	68.0
ML17URA2THST3010	57.1	2.8	0.0029	0.165	3.89	<0.002	<0.002	<0.2	0.0055	21800	0.0220	0.413	0.0132	0.605	21.5	0.014	<0.1	417	24.6	0.077	0.0245	1.88	12900	2350	3.16	0.563	<0.001	1280	17.6	<0.004	0.00526	<0.02	0.37	0.00385	<0.02	50.0	<0.04	6.2	64.3
ML17URA2THST3011	61.8	2.5	<0.002	0.123	5.36	<0.002	<0.002	0.24	0.0054	23100	0.0265	0.070	0.0137	0.727	30.4	0.012	<0.1	519	26.4	0.051	0.0137	0.137	13900	2500	2.57	0.580	<0.001	1150	17.4	<0.004	0.00521	<0.02	0.17	0.00477	<0.02	55.5	<0.04	7.9	64.5
ML17URA2THST3012	58.5	3.0	<0.002	0.105	5.14	<0.002	<0.002	<0.2	0.0100	24800	0.0165	0.700	0.0184	0.775	28.2	<0.01	<0.1	508	34.3	0.046	0.0378	1.34	13900	2750	3.06	0.610	0.0014	1320	18.3	<0.004	0.00623	<0.02	0.20	0.01560	0.038	52.3	<0.04	6.1	66.6
ML17URA2THST3013	48.0	2.6	0.0022	0.211	6.10	<0.002	<0.002	<0.2	0.0079	22100	0.0210	0.199	0.0119	0.581	21.2	0.020	<0.1	419	30.6	0.067	0.0308	0.257	12700	2460	3.78	0.540	<0.001	1230	18.9	<0.004	0.00322	<0.02	0.15	0.01160	<0.02	60.5	<0.04	-	64.1
ML17URA2THST3014	53.8	<1.0	<0.002	0.172	4.76	<0.002	<0.002	<0.2	0.0049	22900	0.0159	0.977	0.0299	0.592	21.4	<0.01	<0.1	502	31.5	0.055	0.0650	7.19	12900	2350	3.79	0.478	0.0014	1280	15.9	<0.004	0.00441	<0.02	<0.1	0.00414	<0.02	47.4	<0.04	3.7	66.9
ML17URA2THST3015	45.3	7.7	0.0046	0.183	7.65	<0.002	<0.002	0.24	0.0115	28900	0.0200	0.894	0.0348	0.854	57.3	0.027	<0.1	526	27.0	0.078	0.0247	0.715	16300	2450	3.44	0.608	0.0015	1260	22.8	<0.004	0.00434	<0.02	0.58	0.00910	0.044	52.7	<0.04	-	64.4
ML17URA2THST3035	55.6	1.1	<0.002	0.105	5.14	<0.002	<0.002	0.21	0.0086	21200	0.0204	<0.04	0.0121	0.766	24.8	<0.01	<0.1	381	23.9	0.072	0.0155	0.216	12800	2350	1.93	0.581	0.0021	1270	16.7	<0.004	0.00597	0.028	<0.1	0.00732	0.028	50.5	<0.04	3.7	67.9
ML17URA2THST3036	65.9	1.3	<0.002	0.125	5.75	<0.002	<0.002	0.23	0.0050	31100	0.0364	2.36	0.0195	0.692	49.9	0.011	<0.1	633	36.4	0.085	0.0887	1.50	17700	2340	1.73	0.617	<0.001	1340	21.5	<0.004	0.00707	<0.02	<0.1	0.00790	0.037	51.2	<0.04	2.9	64.7
ML17URA2THST3037	45.2	1.2	<0.002	0.132	5.19	<0.002	<0.002	0.24	0.0102	23300	0.0269	0.396	0.0195	0.819	22.9	0.010	<0.1	459	27.6	0.069	0.0224	0.414	14200	3040	3.50	0.637	0.0025	1590	17.3	<0.004	0.00630	0.023	<0.1	0.00661	0.022	59.0	<0.04	-	64.0
ML17URA2THST3038	71.8	<2.0	<0.004	0.157	5.84	<0.004	<0.004	<0.4	<0.004	27700	0.0266	2.61	0.0149	0.583	39.1	<0.02	<0.2	548	34.7	0.102	0.0890	1.49	15400	2550	2.58	0.635	<0.002	1360	20.7	<0.008	0.00530	<0.04	<0.2	0.00860	0.043	47.8	<0.08	4.4	63.6
ML17URA2THST3039	58.2	<1.0	<0.002	0.226	4.44	<0.002	<0.002	<0.2	0.0054	23700	0.0222	0.134	0.0140	0.639	17.9	<0.01	<0.1	484	24.0	0.078	0.0137	0.111	13900	2270	2.97	0.535	<0.001	1240	18.0	<0.004	0.00415	<0.02	<0.1	0.00468	<0.02	55.3	<0.04	6.5	64.0
ML17URA2THST3040	60.2	<1.0	<0.002	0.172	3.98	<0.002	<0.002	<0.2	0.0050	19300	0.0232	1.27	0.0149	0.634	24.9	<0.01	<0.1	391	25.8	0.072	0.0643	1.62	11300	2350	3.33	0.550	0.0010	1090	14.0	<0.004	0.00467	<0.02	<0.1	0.00394	0.022	50.2	<0.04	6.5	64.5
ML17URA2THST3041	63.2	1.4	<0.002	0.171	4.41	<0.002	<0.002	<0.2	0.0050	23900	0.0202	0.154	0.0103	0.579	22.5	0.024	<0.1	460	28.5	0.064	0.0136	0.150	13100	2070	2.07	0.533	<0.001	1190	17.4	<0.004	0.00446	<0.02	<0.1	0.01110	<0.02	60.3	<0.04	5.7	65.2
ML17URA2THST3042	51.9	<2.0	<0.004	0.144	5.57	<0.004	<0.004	<0.4	0.0091	28200	0.0210	0.371	0.0114	0.720	20.7	<0.02	<0.2	481	22.3	0.070	0.0170	0.163	15500	2700	2.70	0.613	0.0020	1380	21.5	<0.008	0.00468	<0.04	<0.2	0.00567	<0.04	49.7	<0.08	-	63.7
ML17URA2THST3043	63.2	<2.0	<0.004	0.141	5.32	<0.004	<0.004	<0.4	0.0057	30100	0.0277	0.344	0.0114	0.707	14.6	<0.02	<0.2	599	30.5	0.106	0.0170	0.297	17200	2560	3.25	0.508	<0.002	1270	21.5	<0.008	0.00525	<0.04	<0.2	0.00343	<0.04	48.9	<0.08	3.5	66.3
ML17URA2THST3044	70.4	1.4	<0.002	0.149	2.89	<0.002	<0.002	0.32	0.0025	14300	0.0220	1.99	0.0179	0.703	31.8	<0.01	<0.1	330	18.2	0.075	0.0589	2.75	8440	2650	2.92	0.596	<0.001	1260	11.2	<0.004	0.00409	<0.02	<0.1	0.00198	<0.02	34.4	<0.04	6.1	69.6
ML17URA2THST3045	60.6	2.1	<0.002	0.204	4.84	<0.002	<0.002	0.51	0.0055	22800	0.0297	0.314	0.0146	0.789	17.9	<0.01	<0.1	467	29.4	0.097	0.0199	0.228	13400	2950	3.38	0.560	<0.001	1490	17.9	<0.004	0.00461	0.065	<0.1	0.00479	0.023	55.5	<0.04	5.0	64.1
ML17URA2THST3046	59.3	1.7	<0.002	0.193	8.41	<0.002	<0.002	0.63	0.0049	37200	0.0220	1.61	0.0264	0.681	32.8	0.011	<0.1	735	50.4	0.089	0.0588	5.46	20400	3000	3.67	0.540	<0.001	1520	28.7	<0.004	0.00503	0.088	0.12	0.00718	0.027	80.8	<0.04	4.7	63.3
ML17URA2THST3047	48.8	2.7	<0.002	0.199	6.52	<0.002	<0.002	0.46	0.0073	31100	0.0241	0.257	0.0116	0.603	15.7	0.012	<0.1	601	35.9	0.068	0.0178	0.316	16800	3110	4.34	0.698	<0.001	1360	22.1	<0.004	0.00379	0.025	<0.1	0.01100	<0.02	59.2	0.487	-	63.0
ML17URA2THST3048	64.0	<1.0	<0.002	0.105	5.14	<0.002	<0.002	0.35	0.0045	20500	0.0313	0.507	0.0139	0.703	20.9	<0.01	<0.1	461	27.3	0.104	0.0169	0.813	11400	2690	2.71	0.630	<0.001	1060	13.7	<0.004	0.00475	0.037	<0.1	0.00372	<0.02	49.0	<		

FIN Number	Total Length (mm)	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Boron	Cadmium	Calcium	Cesium	Chromium	Cobalt	Copper	Iron	Lead	Lithium	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Phosphorus	Potassium	Rubidium	Selenium	Silver	Sodium	Strontium	Tellurium	Thallium	Tin	Titanium	Uranium	Vanadium	Zinc	Zirconium	Lipid Content (%)	Moisture (%)
ML17URA2THST3132	57.3	2.8	<0.004	0.148	6.41	<0.004	<0.004	<0.4	0.0091	26600	0.0425	1.20	0.0158	0.747	31.0	<0.02	<0.2	569	24.3	0.098	0.0320	0.998	16300	2600	3.16	0.603	<0.002	1440	20.5	<0.008	0.00614	<0.04	<0.2	0.00950	<0.04	59.1	<0.08	<0.8	68.8
ML17URA2THST3133	51.2	3.5	<0.004	0.125	5.35	<0.004	<0.004	<0.4	0.0091	28500	0.0182	0.120	0.0099	0.699	22.8	0.032	<0.2	582	26.9	0.101	0.0220	0.259	16800	2450	2.60	0.642	<0.002	938	21.7	<0.008	0.00540	<0.04	0.26	0.00682	<0.04	54.8	<0.08	-	61.6
ML17URA2THST3141	61.6	<2.0	0.0138	0.179	5.72	<0.004	<0.004	<0.4	0.0047	24800	0.0247	0.140	0.0099	0.727	22.5	<0.02	<0.2	484	33.5	0.079	0.0160	0.158	15700	2440	3.00	0.560	<0.002	1280	17.7	<0.008	0.00904	<0.04	<0.2	0.00458	<0.04	47.4	<0.08	7.2	64.0
ML17URA2THST3143	55.8	<2.0	<0.004	0.146	4.72	<0.004	<0.004	<0.4	0.0090	20300	0.0145	0.285	0.0125	0.782	19.2	<0.02	<0.2	406	28.0	0.080	0.0260	0.255	12900	2510	3.20	0.662	0.0039	1190	16.7	<0.008	0.00542	<0.04	<0.2	0.00588	<0.04	40.9	<0.08	6.1	64.0
ML17URA2THST3180	70.5	3.1	<0.004	0.167	6.15	<0.004	<0.004	<0.4	0.0051	27400	0.0420	0.107	0.0110	0.704	20.1	<0.02	<0.2	553	18.8	0.132	<0.016	0.150	15400	2620	3.34	0.708	<0.002	1480	19.0	<0.008	0.00725	<0.04	<0.2	0.01030	<0.04	36.1	<0.08	4.3	65.9
ML17URA2THST3183	55.9	<2.0	<0.004	0.130	4.96	<0.004	<0.004	<0.4	0.0056	22800	0.0366	0.678	0.0137	0.740	18.8	<0.02	<0.2	458	31.8	0.098	0.0160	0.512	13700	2520	2.98	0.610	<0.002	1100	17.4	<0.008	0.00724	<0.04	<0.2	0.00256	<0.04	44.9	<0.08	5.6	64.2
ML17URA2THST3184	59.7	18.6	<0.004	0.152	6.28	<0.004	0.0054	4.24	0.0060	26800	0.0429	0.138	0.0128	0.638	19.2	0.022	<0.2	550	26.0	0.143	<0.016	0.196	15400	2080	3.67	0.555	<0.002	1400	19.9	<0.008	0.00579	<0.04	0.42	0.00628	<0.04	64.8	<0.08	<2.0	70.9
ML17URA2THST3186	56.4	<2.0	<0.004	0.121	6.08	<0.004	<0.004	<0.4	0.0132	26800	0.0201	0.153	0.0129	0.986	18.7	<0.02	<0.2	604	37.8	0.064	0.0220	0.159	17000	2430	2.99	0.642	0.0025	1020	21.3	<0.008	0.00570	<0.04	<0.2	0.00477	<0.04	57.6	<0.08	9.6	65.6
ML17URA2THST3187	62.2	17.3	<0.004	0.147	7.72	<0.004	0.0040	3.05	0.0046	30400	0.0271	0.218	0.0133	0.673	24.2	<0.02	<0.2	634	26.8	0.127	<0.016	0.113	18300	2310	3.28	0.597	<0.002	1220	25.5	<0.008	0.00706	<0.04	0.35	0.00789	<0.04	63.8	<0.08	3.5	66.8
ML17URA2THST3189	72.0	2.1	<0.002	0.131	5.60	<0.002	<0.002	<0.2	0.0037	20200	0.0305	0.073	0.0160	0.663	22.2	<0.01	<0.1	496	27.8	0.100	0.0160	0.216	12200	2430	2.55	0.649	<0.001	1220	16.5	<0.004	0.00538	<0.02	<0.1	0.00627	<0.02	47.4	<0.04	4.6	67.7
ML17URA2THST3190	69.8	2.1	0.0085	0.134	3.89	<0.002	<0.002	<0.2	0.0027	15500	0.0292	0.062	0.0116	0.635	22.4	0.013	<0.1	432	26.9	0.122	0.0130	0.089	9970	2550	3.13	0.599	<0.001	1040	12.3	<0.004	0.00740	<0.02	0.11	0.00312	<0.02	36.2	<0.04	4.1	69.1
ML17URA2THST3191	60.1	2.7	<0.002	0.129	4.78	<0.002	<0.002	<0.2	0.0044	26800	0.0323	0.082	0.0140	0.622	18.6	0.020	<0.1	566	27.3	0.145	0.0116	0.415	15400	2300	2.47	0.574	<0.001	1140	19.8	<0.004	0.00380	<0.02	<0.1	0.00508	<0.02	56.4	<0.04	0.8	70.7
ML17URA2THST3192	58.2	19.2	0.0032	0.186	5.96	<0.002	<0.002	<0.2	0.0062	31600	0.0391	0.298	0.0289	0.647	58.7	0.245	<0.1	691	33.4	0.134	0.0270	0.649	17500	2370	3.43	0.583	0.0014	1610	24.1	<0.004	0.00453	<0.02	0.95	0.01010	0.073	74.1	<0.04	<0.9	68.0
ML17URA2THST3193	57.9	2.2	0.0079	0.211	6.15	<0.002	<0.002	0.82	0.0044	28500	0.0348	0.212	0.0177	0.792	23.1	0.022	<0.1	648	18.1	0.196	0.0150	0.545	17300	2980	4.27	0.680	0.0015	2120	18.8	<0.004	0.00407	0.083	0.12	0.00513	<0.02	67.5	<0.04	1.4	66.9
ML17URA2THST3194	60.3	1.5	<0.002	0.092	7.25	<0.002	<0.002	0.40	0.0033	36400	0.0470	0.113	0.0141	0.561	13.3	<0.01	<0.1	703	36.3	0.104	0.0144	1.46	21100	2220	2.78	0.436	<0.001	1440	23.7	<0.004	0.00784	0.058	<0.1	0.00349	0.023	51.1	<0.04	6.1	63.7
ML17URA2THST3195	60.5	2.4	<0.002	0.133	6.18	<0.002	<0.002	0.38	0.0030	28300	0.0511	0.288	0.0129	0.660	21.7	0.017	<0.1	521	36.7	0.079	0.0564	0.632	16700	2730	3.14	0.553	<0.001	1060	18.9	<0.004	0.00485	0.081	<0.1	0.00380	<0.02	53.9	<0.04	6.6	63.2
ML17URA2THST3196	61.5	3.7	<0.004	0.167	9.26	<0.004	<0.004	0.46	0.0057	45800	0.0262	0.268	0.0127	0.552	17.2	<0.02	<0.2	771	40.2	0.130	0.0300	0.725	24600	2390	2.99	0.616	<0.002	1790	31.9	<0.008	0.00496	0.047	<0.2	0.00820	<0.04	85.7	<0.08	<1.0	62.0
ML17URA2THST3197	69.0	2.5	<0.002	0.089	6.26	<0.002	<0.002	0.33	0.0042	31400	0.0520	0.277	0.0191	0.726	19.8	0.017	<0.1	686	48.0	0.112	0.0295	0.476	19000	3010	3.11	0.648	<0.001	1370	22.1	<0.004	0.00594	0.049	<0.1	0.00368	<0.02	59.4	<0.04	4.5	61.2
ML17URA2THST3198	63.1	4.1	<0.002	0.133	7.45	<0.002	<0.002	0.40	0.0044	28500	0.0371	0.129	0.0149	0.681	23.1	0.024	<0.1	542	45.3	0.110	0.0188	0.891	17300	2870	3.05	0.644	<0.001	1520	19.7	<0.004	0.00560	0.051	<0.1	0.00552	0.024	65.4	<0.04	6.6	60.8
ML17URA2THST3336	57.4	1.8	<0.002	0.153	7.83	<0.002	<0.002	0.37	0.0054	29400	0.0378	0.161	0.0120	0.555	18.6	0.014	<0.1	596	38.6	0.088	0.0218	0.375	17700	1900	3.06	0.564	0.0013	1370	18.8	<0.004	0.00834	0.040	<0.1	0.01400	<0.02	72.1	<0.04	<0.4	74.1
ML17URA2THST3338	57.7	1.0	<0.002	0.159	5.48	<0.002	<0.002	0.47	0.0044	26200	0.0330	<0.04	0.0110	0.671	16.7	0.017	<0.1	540	29.5	0.091	0.0159	0.274	15400	2140	3.17	0.495	<0.001	909	17.2	<0.004	0.00377	0.043	<0.1	0.00616	<0.02	55.2	<0.04	2.5	69.1
ML17URA2THST3339	63.8	<1.0	<0.002	0.140	5.48	<0.002	<0.002	0.32	0.0042	22100	0.0273	0.085	0.0118	0.601	15.8	0.013	<0.1	424	29.4	0.069	0.0119	0.224	13100	2150	2.57	0.502	<0.001	1120	15.8	<0.004	0.00356	0.075	<0.1	0.00781	<0.02	53.2	<0.04	4.4	70.3
ML17URA2THST3340	58.8	<1.0	<0.002	0.168	6.30	<0.002	<0.002	0.36	0.0037	25600	0.0386	0.066	0.0136	0.748	15.6	<0.01	<0.1	524	21.4	0.098	0.0141	0.677	15200	2700	2.95	0.549	<0.001	1460	18.5	<0.004	0.00714	0.065	<0.1	0.00491	<0.02	53.7	<0.04	5.2	66.1
ML17URA2THST3341	49.0	2.3	<0.002	0.171	7.45	<0.002	<0.002	0.74	0.0063	29800	0.0377	0.450	0.0231	0.788	24.2	0.030	<0.1	564	30.7	0.080	0.0282	3.48	17900	2590	2.97	0.624	0.0013	1230	21.5	<0.004	0.00680	0.042	<0.1	0.00674	<0.02	59.4	<0.04	-	60.4
ML17URA2THST3342	51.4	1.3	0.0044	0.166	5.56	<0.002	<0.002	0.30	0.0045	27400	0.0418	0.127	0.0141	0.844	25.4	<0.01	<0.1	473	35.2	0.076	0.0173	0.869	16700	2500	3.92	0.556	<0.001	1200	17.7	<0.004	0.00383	0.041	<0.1	0.00844	<0.02	67.6	<0.04	-	64.7
ML17URA2THST3343	57.3	1.3	<0.002	0.142	6.38	<0.002	<0.002	0.36	0.0035	23300	0.0594	0.163	0.0168	0.890	17.5	0.013	<0.1	507	23.8	0.140	0.0162	1.70	14300	2950	3.54	0.624	<0.001	1530	17.0	<0.004	0.00858	0.076	<0.1	0.00477	<0.02	61.7	<0.04	1.0	70.1
ML17URA2THST3344	48.4	<1.0	<0.002	0.068	4.68	<0.002	<0.002	0.30	<0.002	15700	0.0315	1.45	0.0205	0.665	20.4	0.011	<0.1	363	19.2	0.059	0.1660	1.16	10100	2830	2.31	0.499	<0.001	1080	12.6	<0.004	0.00586	0.051	<0.1	0.00140	0.025	41.3	<0.04	-	70.3

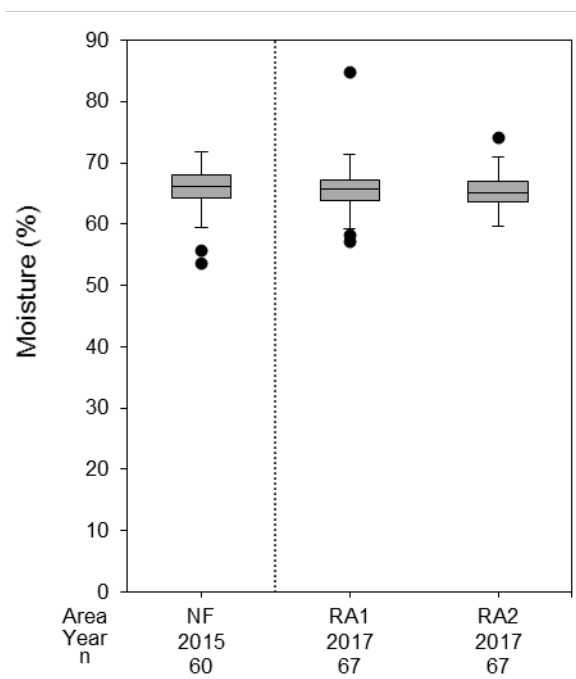
Note: all values in milligram per kilogram wet weight (mg/kg ww) except where indicated.
mm = millimetre; % = percent; < = less than; - = not recorded or not applicable.

Table 6D-4: Statistical Outliers Omitted from Fish Tissue Chemistry Analysis

Parameter	Statistical Test	Fish Identification Number	Studentized Residual
Moisture	ANOVA	ML15UNFTHST1052	-3.88
	ANOVA	ML15UNFTHST1067	-3.15
	ANOVA	ML17URA1THST2222	6.36
Arsenic	ANOVA	ML15UNFTHST1085	5.29
	ANOVA	ML15UNFTHST1122	3.72
Barium	ANOVA _{log}	ML15UNFTHST1216	-3.74
	ANOVA _{log}	ML17URA2THST3044	-3.14
Cadmium	ANOVA _{log}	ML17URA1THST2352	3.64
	ANOVA _{log}	ML17URA2THST3344	-3.91
Calcium	ANOVA _{log}	ML15UNFTHST1122	3.12
	ANOVA _{log}	ML17URA1THST2221	3.15
	ANOVA _{log}	ML17URA2THST3196	4.18
Cesium	ANOVA _{log}	ML15UNFTHST1235	3.23
	ANOVA _{log}	ML15UNFTHST1239	3.63
Copper	ANOVA _{log}	ML17URA1THST2060	3.21
	ANOVA _{log}	ML17URA1THST2222	-4.56
Magnesium	ANOVA	ML17URA1THST2222	-3.11
Mercury	ANOVA _{log}	ML17URA1THST2078	3.06
	ANOVA _{log}	ML17URA1THST2222	-3.8
	ANOVA _{log}	ML17URA2THST3193	3.08
Phosphorus	ANOVA	ML17URA1THST2222	-3.13
	ANOVA	ML17URA2THST3196	3.81
Potassium	ANOVA _{log}	ML17URA1THST2222	-7.22
Selenium	ANOVA _{log}	ML17URA1THST2060	3.27
	ANOVA _{log}	ML17URA1THST2222	-6.72
Sodium	ANOVA	ML15UNFTHST1119	-3.27
	ANOVA	ML17URA1THST2222	-3.43
	ANOVA	ML17URA2THST3193	4.44
Strontium	ANOVA	ML17URA1THST2222	-3.1
	ANOVA	ML17URA2THST3196	3.53
Uranium	ANOVA _{log}	ML17URA2THST3344	-3.4
Zinc	ANOVA _{log}	ML15UNFTHST1122	3.14

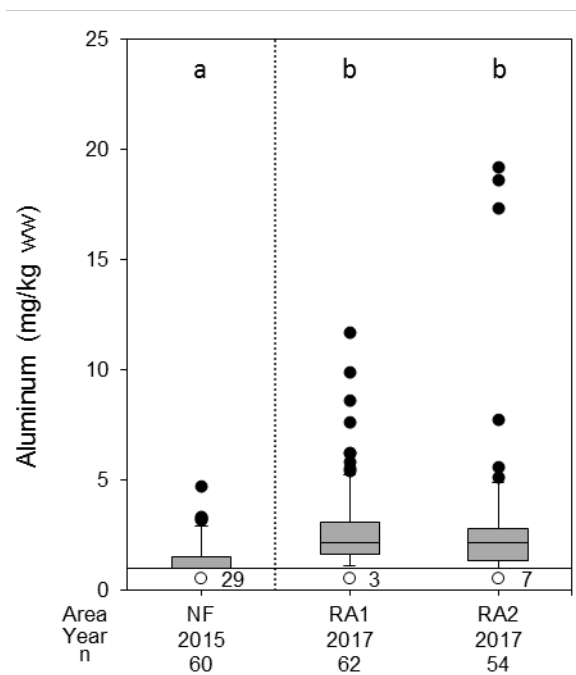
Note: Outlier threshold defined as a studentized residual greater than |3.0|.

ANOVA = analysis of variance; log = log₁₀ transformed data.



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; % = percent; n = sample size.

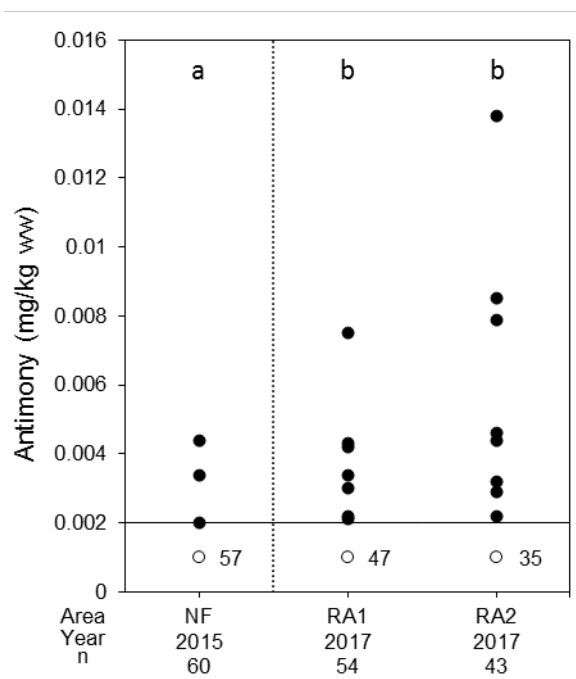
Figure 6E-1: Percent Moisture of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

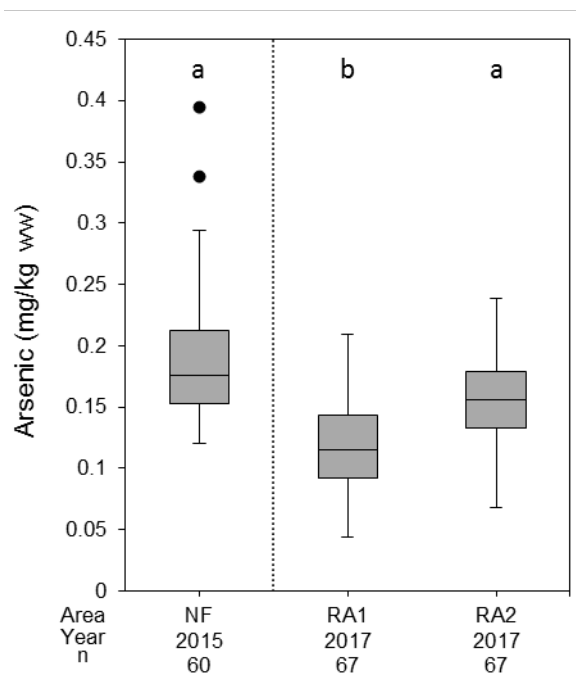
Figure 6E-2: Aluminum Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

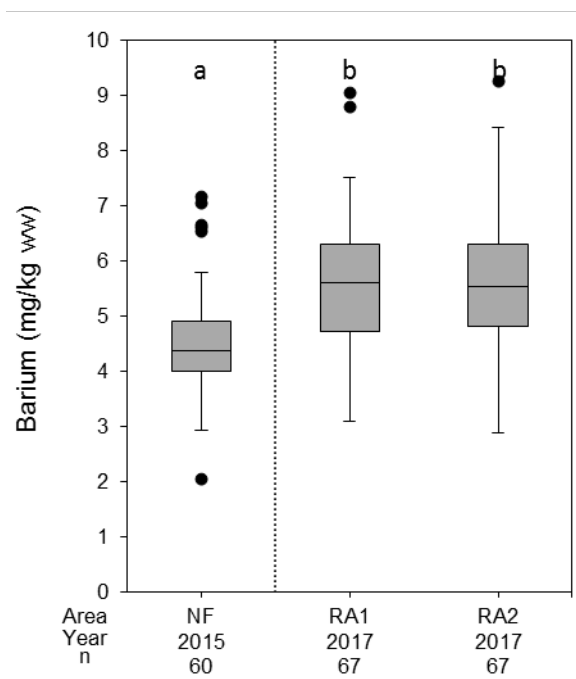
Figure 6E-3: Antimony Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

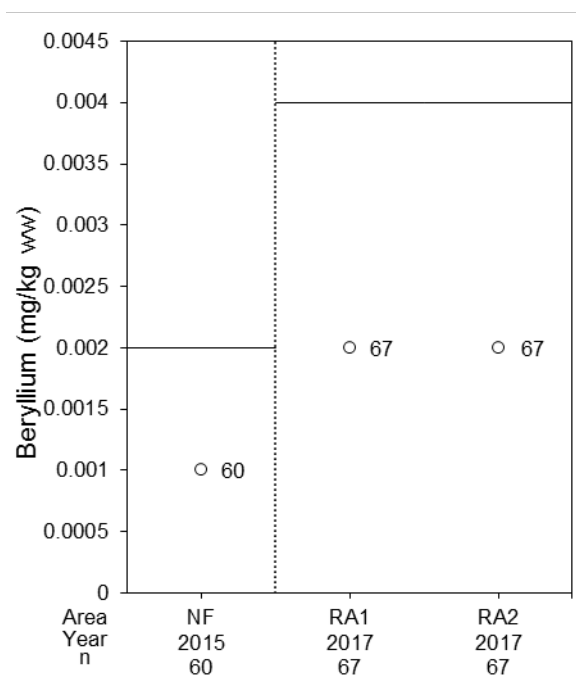
Figure 6E-4: Arsenic Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

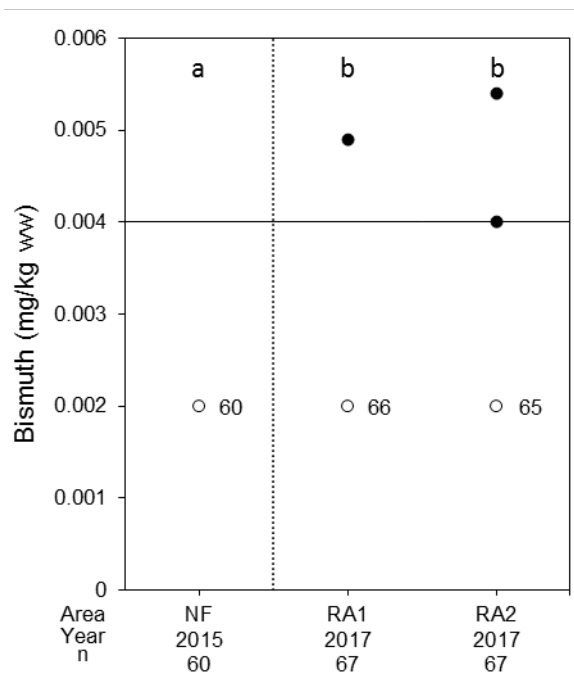
Figure 6E-5: Barium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

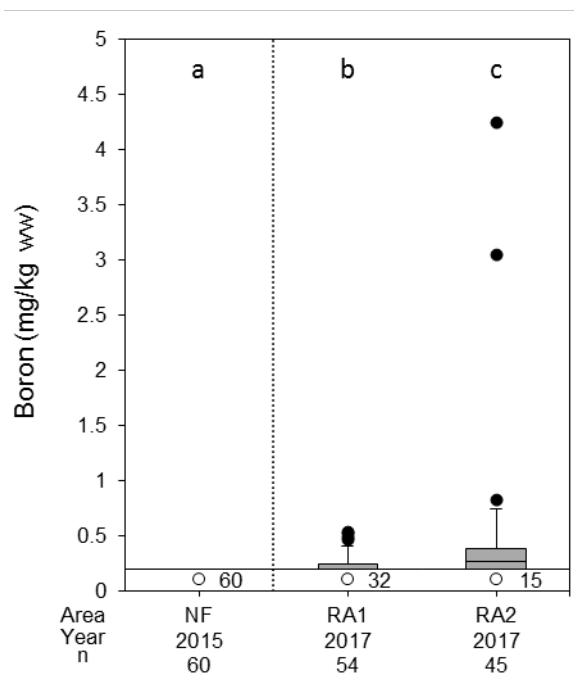
Figure 6E-6: Beryllium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

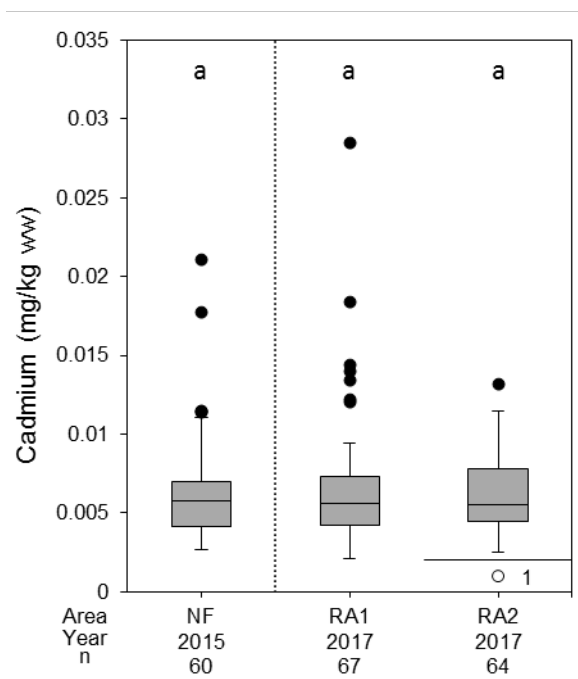
Figure 6E-7: Bismuth Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

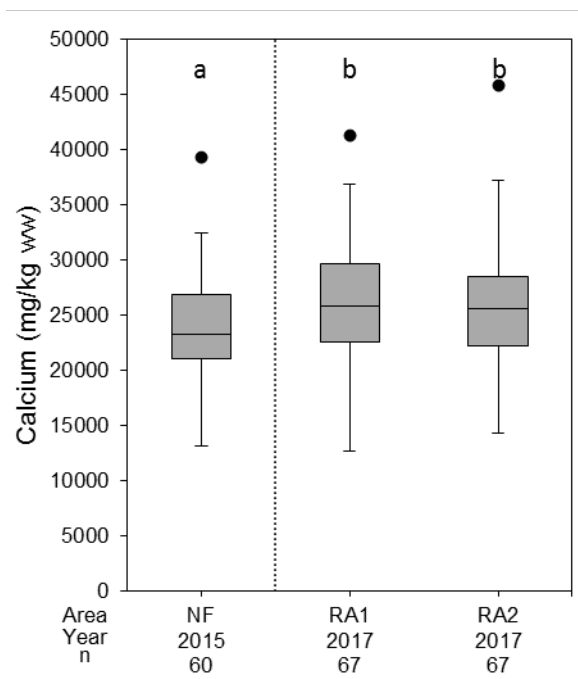
Figure 6E-8: Boron Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

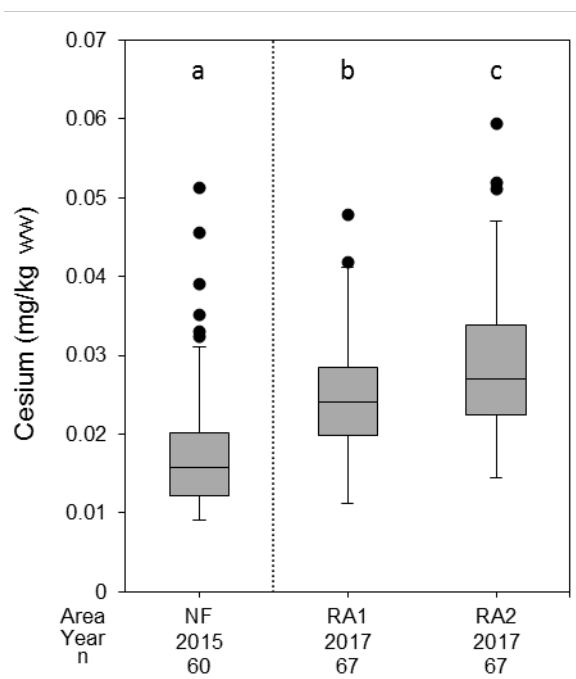
Figure 6E-9: Cadmium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Creek, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

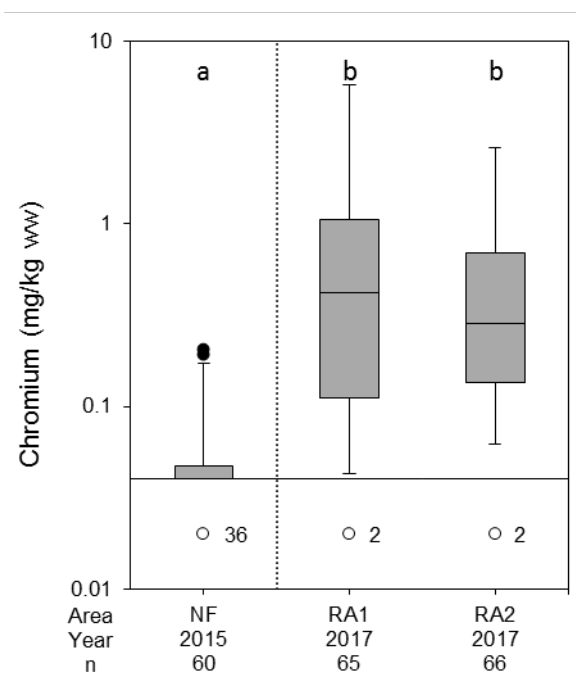
Figure 6E-10: Calcium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

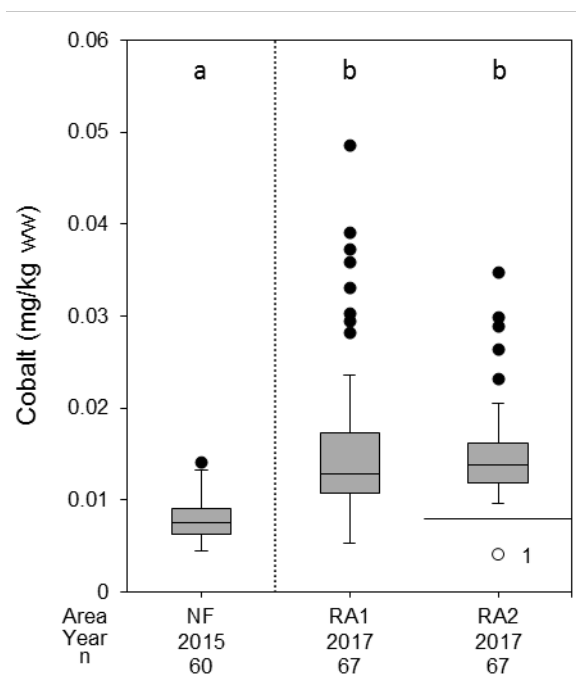
Figure 6E-11: Cesium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

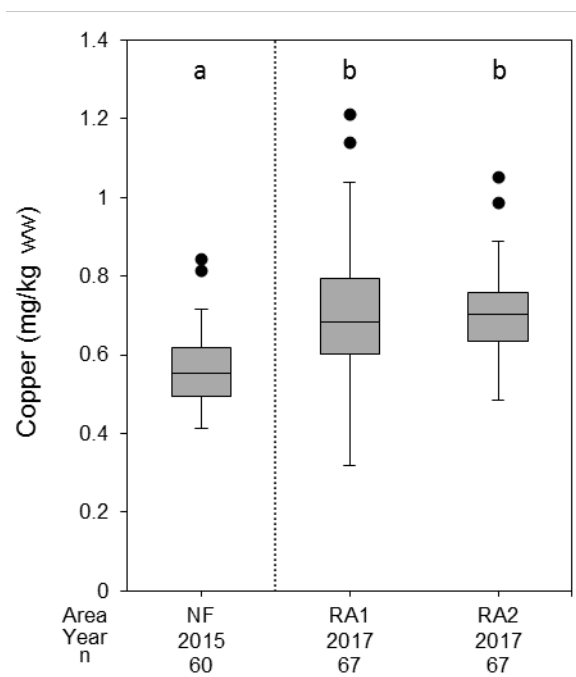
Figure 6E-12: Chromium Concentration (log₁₀) of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

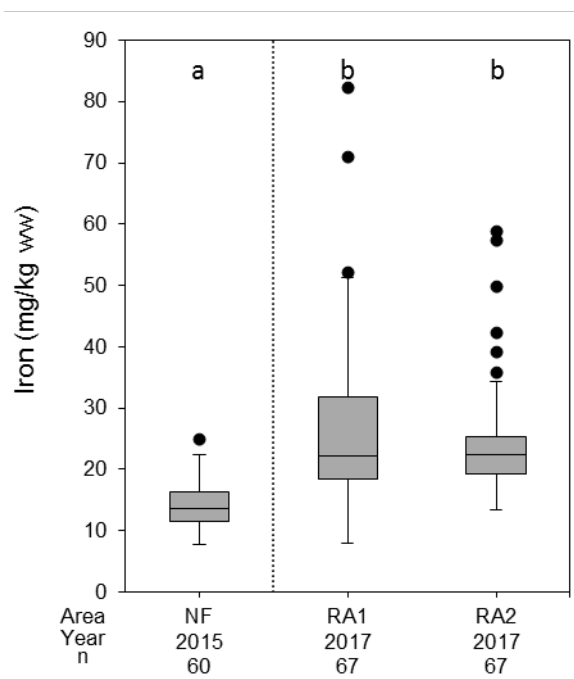
Figure 6E-13: Cobalt Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

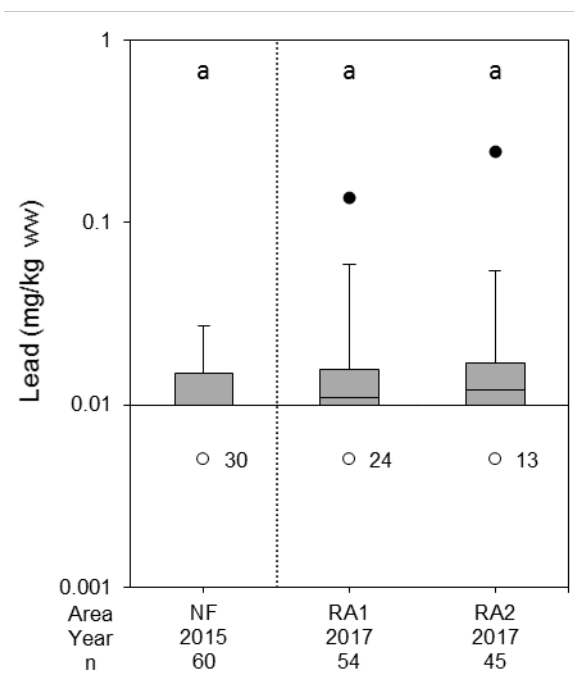
Figure 6E-14: Copper Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

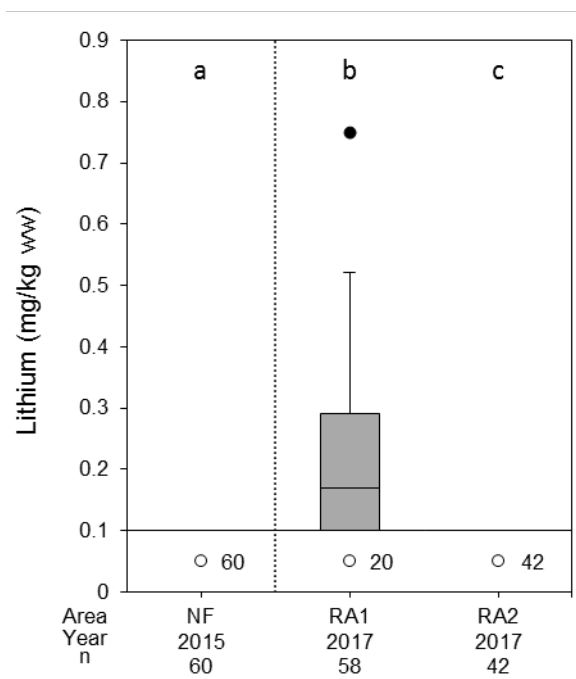
Figure 6E-15: Iron Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

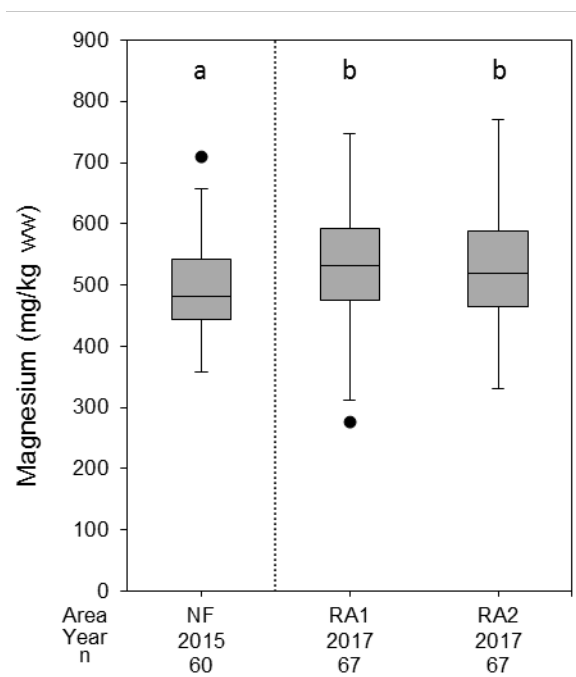
Figure 6E-16: Lead Concentration (log₁₀) of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

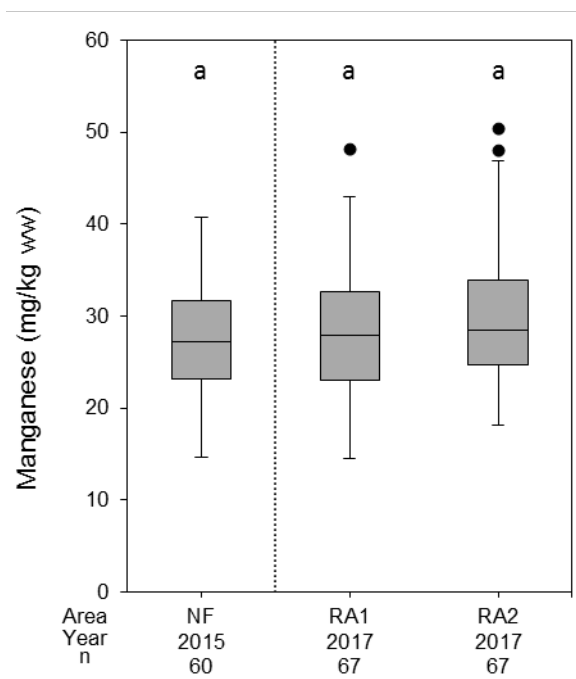
Figure 6E-17: Lithium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

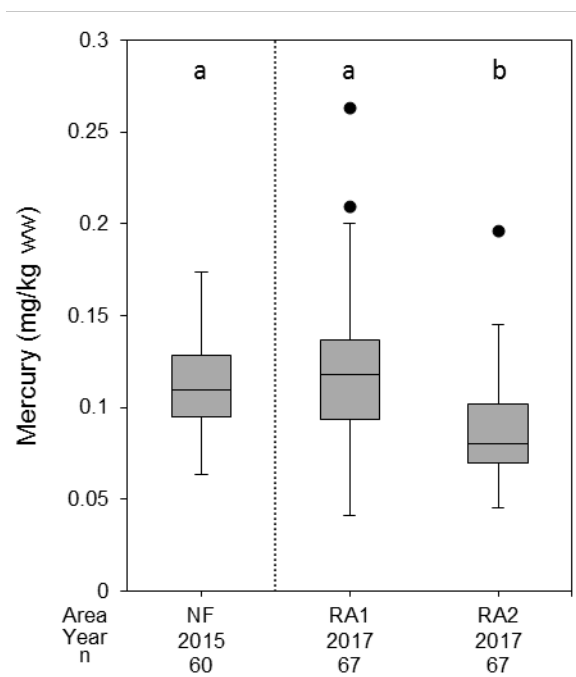
Figure 6E-18: Magnesium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

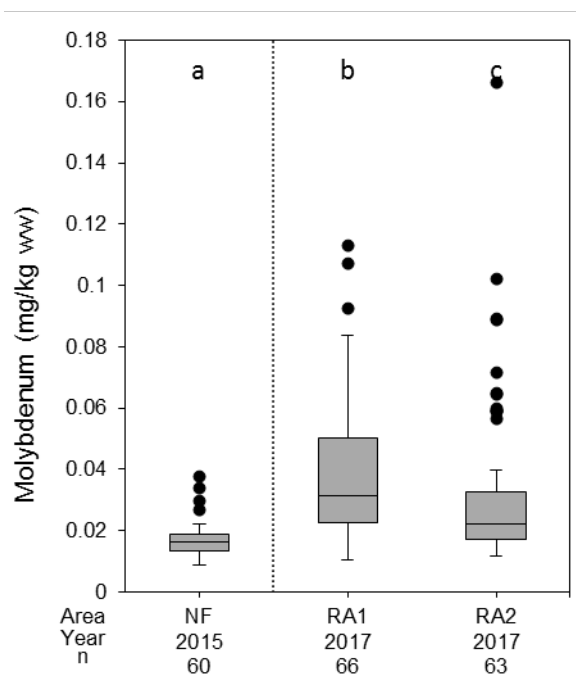
Figure 6E-19: Manganese Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

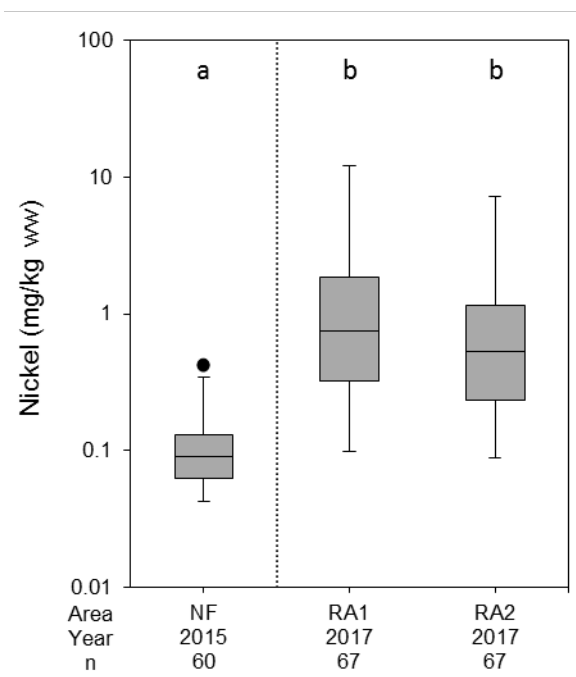
Figure 6E-20: Mercury Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

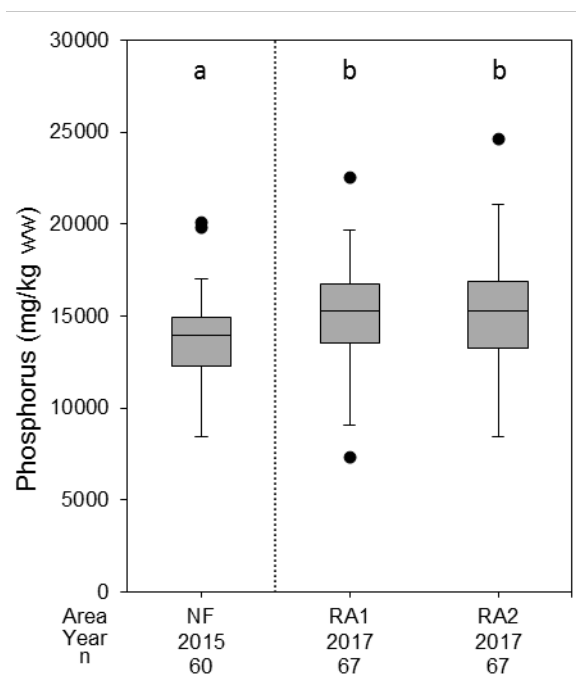
Figure 6E-21: Molybdenum Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

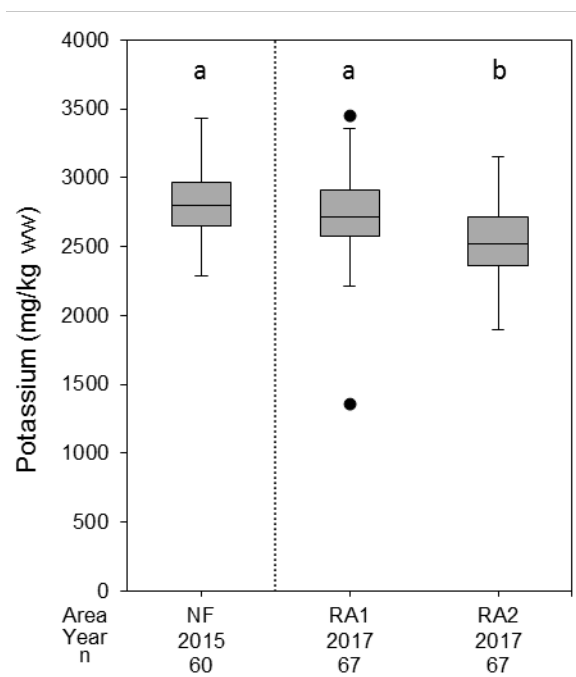
Figure 6E-22: Nickel Concentration ($\log_{10}$) of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

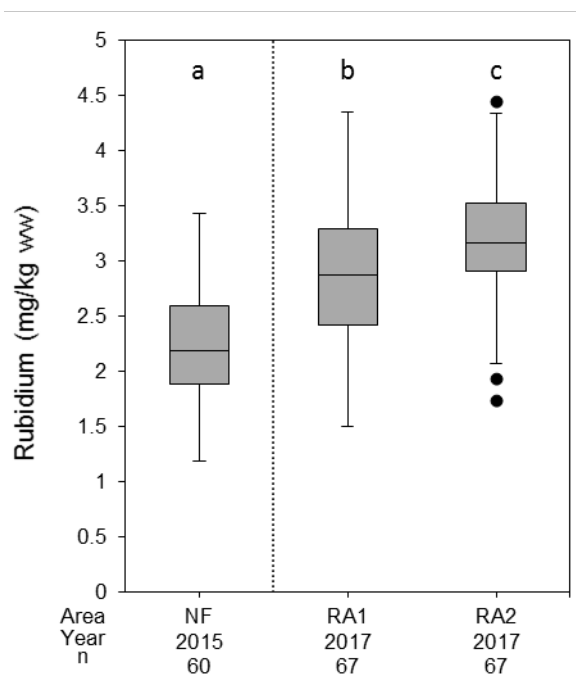
Figure 6E-23: Phosphorus Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

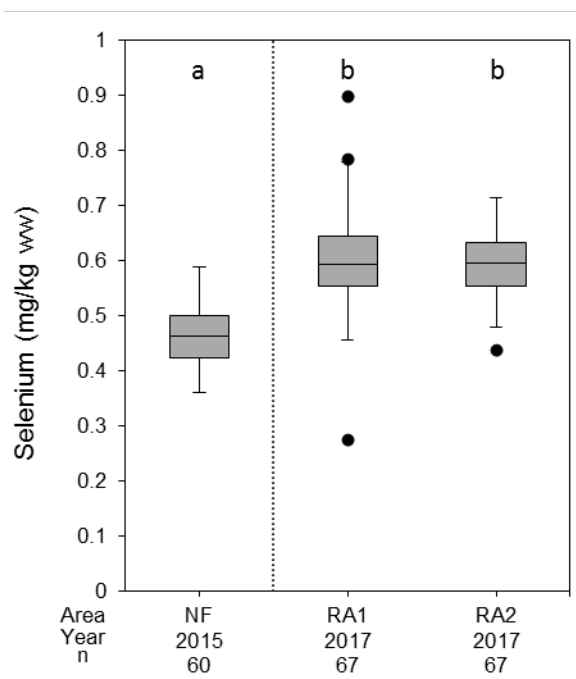
Figure 6E-24: Potassium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

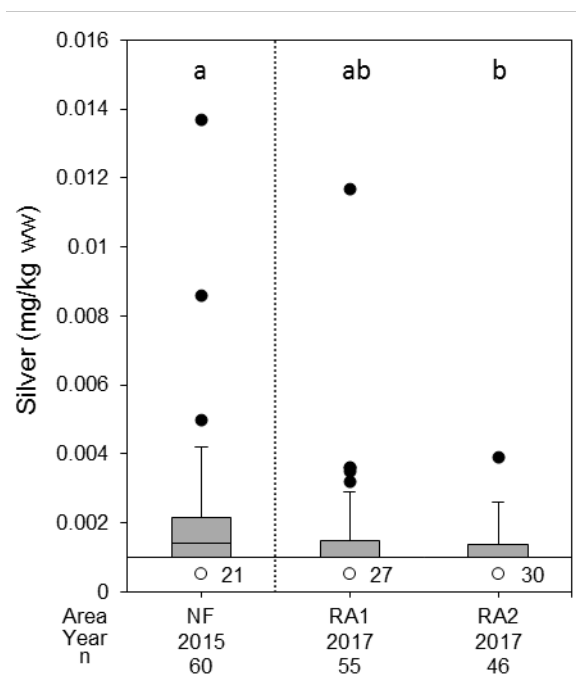
Figure 6E-25: Rubidium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

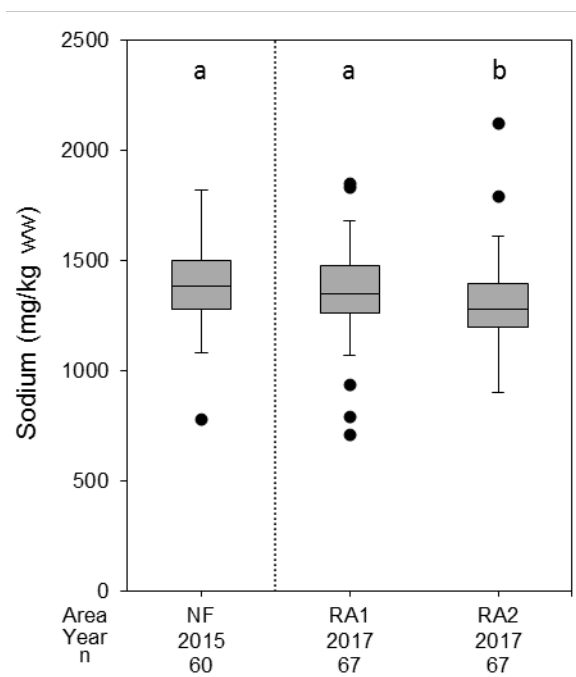
Figure 6E-26: Selenium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

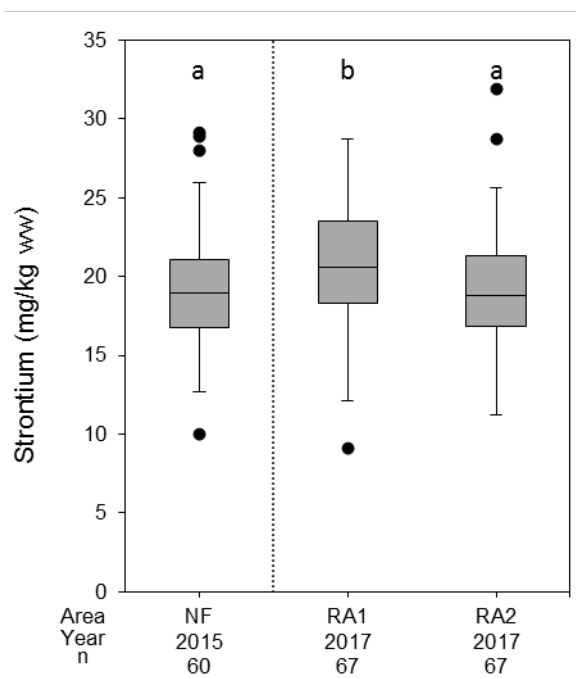
Figure 6E-27: Silver Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

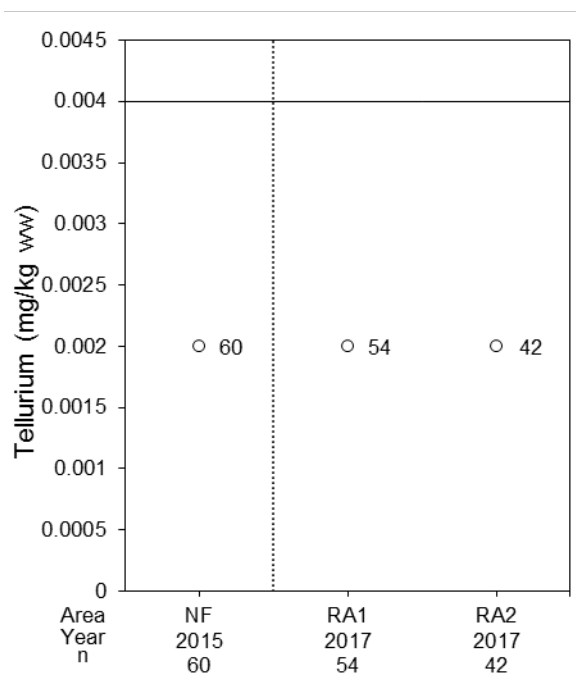
Figure 6E-28: Sodium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

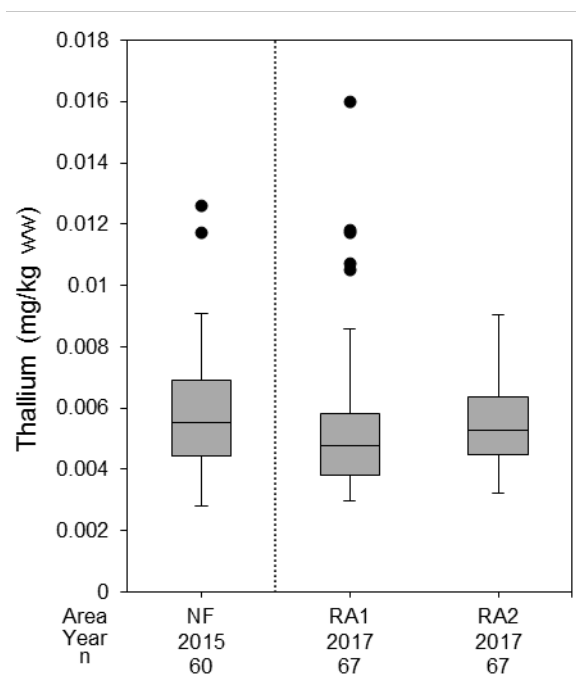
Figure 6E-29: Strontium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Horizontal line indicates detection limit.

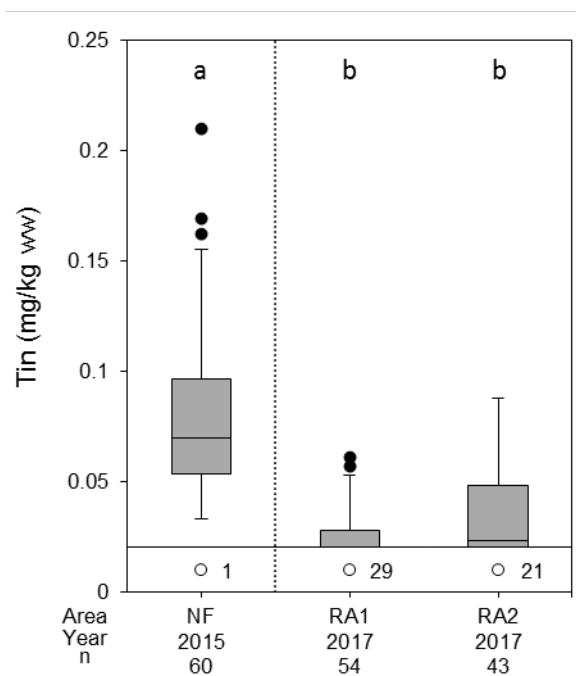
NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

Figure 6E-30: Tellurium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

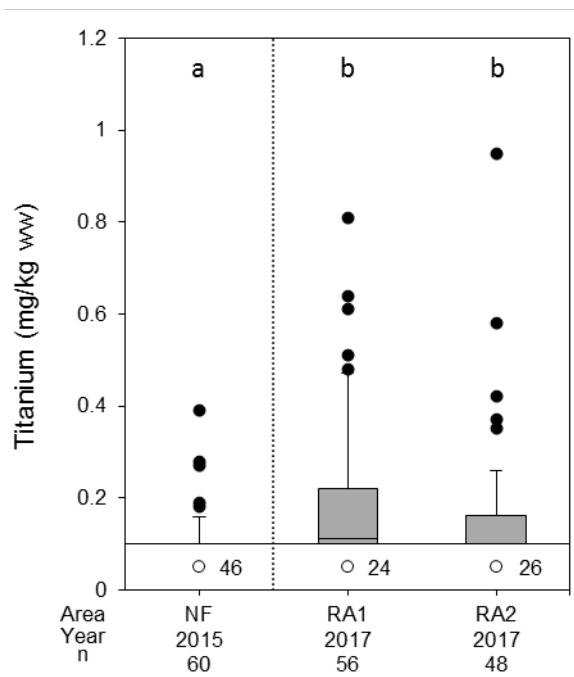
Figure 6E-31: Thallium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

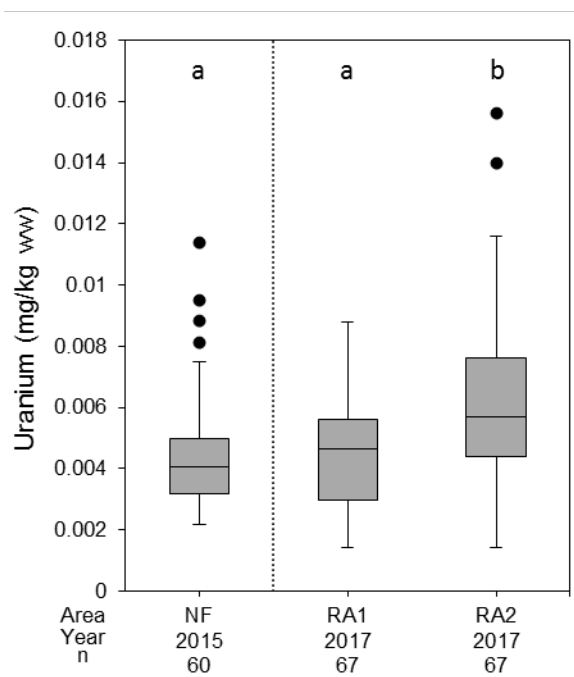
Figure 6E-32: Tin Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

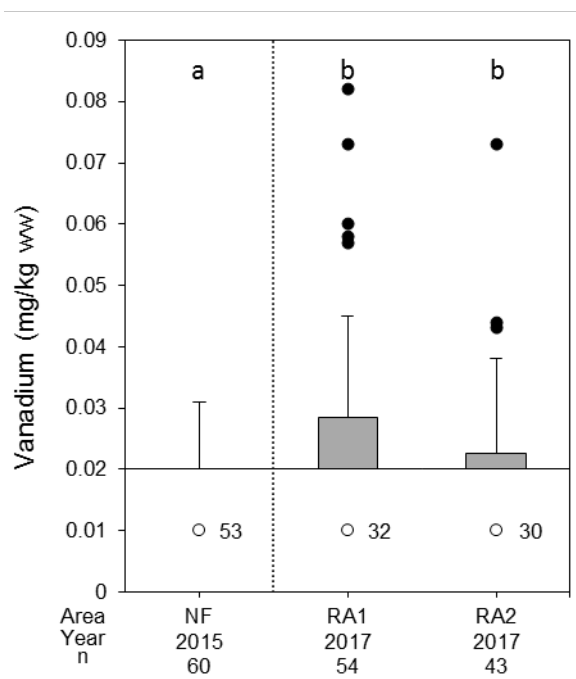
Figure 6E-33: Titanium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

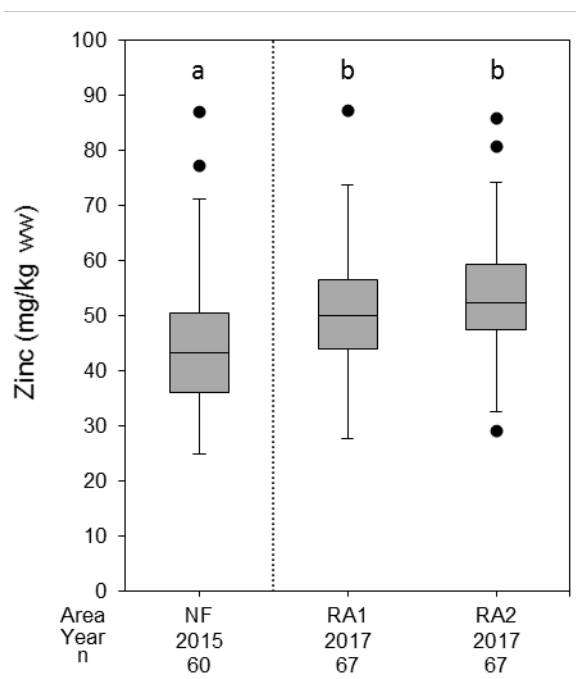
Figure 6E-34: Uranium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

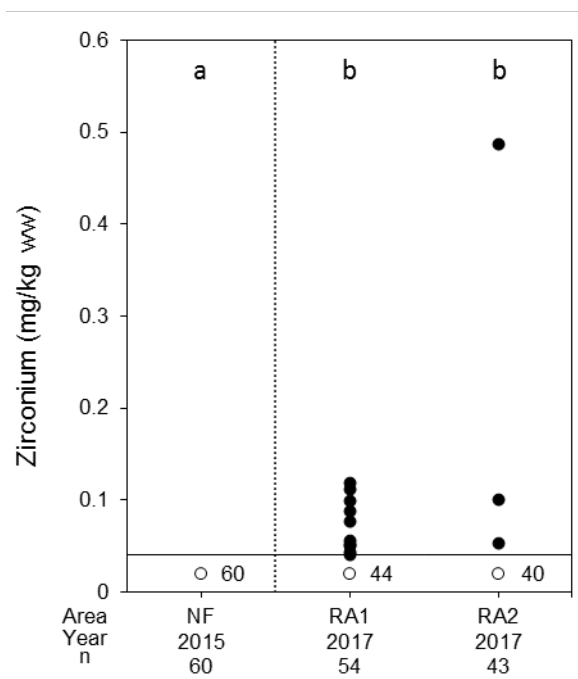
Figure 6E-35: Vanadium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Areas sharing the same letter are not significantly different from one another.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

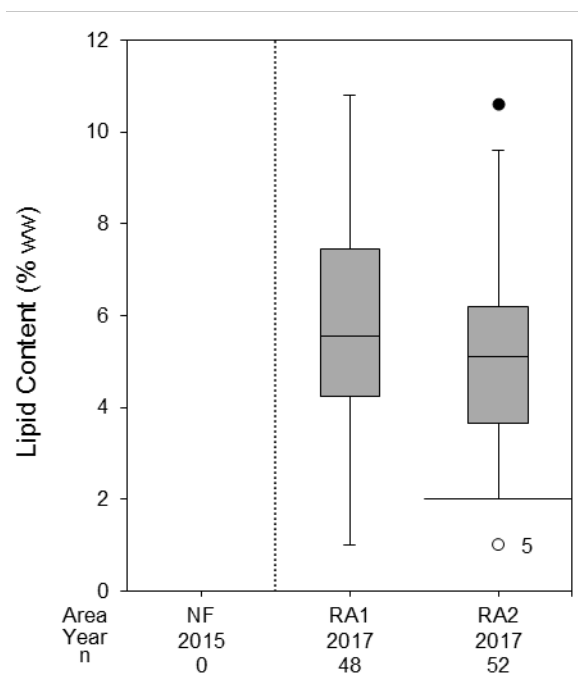
Figure 6E-36: Zinc Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Notes: Areas sharing the same letter are not significantly different from one another. Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; mg/kg ww = milligram per kilogram wet weight; n = sample size.

Figure 6E-37: Zirconium Concentration of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2015 and 2017



Note: Horizontal line indicates detection limit.

NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; % ww = percent wet weight; n = sample size.

Figure 6E-38: Lipid Content of Threespine Stickleback Lethally Sampled from Meliadine Lake, 2017

APPENDIX 7A – 7E

Plankton

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ATTACHMENTS

ATTACHMENT 6A-1

Laboratory QC Methods and Results Detail

7A1.0 INTRODUCTION

Quality assurance and quality control (QA/QC) procedures are typically applied during all aspects of a monitoring program, and are used to determine data integrity. Quality assurance (QA) procedures include training of personnel, data management, and other technical practices designed to confirm that high quality data are consistently generated. Quality control (QC) procedures include steps to measure and evaluate data quality, as well as the corrective actions that are applied when data quality objectives are not achieved.

The QA/QC procedures implemented during the 2017 plankton monitoring programs under the Aquatic Effects Monitoring Program (AEMP) for the Meliadine Gold Mine Project (Project) are described in the following sections. QA/QC procedures and results for the 2015 and 2016 plankton monitoring programs are reported in Golder (2017). An evaluation of the QC data and implications for the interpretation of the AEMP study results is also included.

7A2.0 QUALITY ASSURANCE

Similar to water quality (Appendix 3A) and sediment quality (Appendix 4A), the QA procedures implemented for the 2017 plankton monitoring programs can be classified into three categories of data management. These include field operations, laboratory analyses, and office operations.

7A2.1 Field Operations

Quality assurance procedures for field operations involve field crew training, pre field meetings, and the use of standardized methods and explicit instructions for collecting and handling field data. Field staff for the Project were trained to be proficient in standardized field sampling procedures, data recording, and equipment operation. Golder Associates Ltd. (Golder) developed specific work instructions (SWI) for the field component of Project, based on standardized technical procedures that are consistent with widely accepted field protocols described in relevant scientific literature (e.g., Environment Canada 1993). Field work was completed according to the SWI, which included the exact locations of sampling sites and detailed step by step instructions for field tasks, including:

- equipment maintenance
- sample collection, handling, preservation, labelling, storage, and shipping
- record keeping and sample tracking

The SWI also included contact information for members of the project team and the analytical laboratory, as well as references to applicable technical procedures. Field data were recorded on standardized field data sheets or in a bound field notebook. Chain of custody forms were used to track samples sent to the analytical laboratory, and receipt of the samples at the laboratory was confirmed. The crew lead was responsible for tracking samples to confirm that all required samples were collected, chain of custody and analytical request forms were complete and correct, and that labelling and documentation procedures were followed. Field crews checked in with component managers, as needed, and submitted daily reports to provide updates on completed tasks.

Pre field meetings were held with the field crew and project/component manager prior to the start of each field program to discuss the purpose of the field program, the role of each crew member, specific details of the SWI, equipment needs, field logistics, and contingency plans.

7A2.2 Laboratory Analyses

Water samples collected in 2017 for depth integrated nutrient (DIN) and chlorophyll a analyses were submitted to a Canadian Association for Laboratory Accreditation Inc. (CALA) accredited laboratory; therefore, confidence in the reliability of the analytical results received from the laboratory is considered high. To receive accreditation, a laboratory must pass an evaluation of its internal procedures, analytical methods, and QC processes.

A designated member of the project team was responsible for liaising with the analytical laboratories.

7A2.3 Office Operations

Quality assurance procedures implemented for office based tasks included the following:

- having trained personnel complete data management, analysis, and reporting tasks
- using standardized data storage, manipulation, and summary tools, as required
- establishing a data management system to support consistency, QC, and data retrieval
- senior review of data deliverables at appropriate milestones

7A3.0 QUALITY CONTROL

Quality Control (QC) steps implemented during the 2017 plankton monitoring program activities can be classified into the same three categories used describe QA procedures: field operations, laboratory analyses, and office operations.

7A3.1 Field Operations

Quality control procedures implemented during field operations included the collection of QC samples that were used to check the precision of field sampling methods and laboratory analyses. Quality control samples collected in support of the plankton monitoring programs included:

- **Duplicate DIN samples:** Duplicate samples consisted of paired, depth integrated water samples collected at the same time and location, using the same methods. Duplicate samples were collected at randomly selected stations in Meliadine Lake, and represented approximately 10% of the total number of DIN samples submitted for analysis. All QC samples were submitted “blind” to the analytical laboratory and analyzed for the same set of parameters as the other DIN samples.
- **Triplicate Chlorophyll a samples:** Triplicate samples were collected at all stations in Meliadine Lake and were kept cool and dark until filtered and frozen prior to sample shipment.

- **Duplicate phytoplankton and zooplankton samples:** These samples were collected at randomly selected stations in Meliadine Lake.

7A3.2 Laboratory Analyses

To support analysis of the DIN samples, the analytical laboratory prepared in house quality control samples and analyzed them along with the field collected samples. The objective was to confirm the quality and reliability of the analytical results. Quality control sample types included duplicate analyses, spiked samples, and method blanks.

Plankton R Us performed an internal QC of the phytoplankton taxonomy by performing replicate counts on 10% of the samples. Replicate phytoplankton samples were chosen at random and processed at different times from the original analysis to reduce bias.

Biologica re analyzed 10% of zooplankton samples in their entirety to allow a comparison of the subsampling method as well as the taxonomic accuracy.

The laboratory QC results were reviewed to confirm the quality of the data and to evaluate whether the laboratory identified any questionable results for specific parameters. Additional details related to laboratory QC methods and results are provided in Attachment 7A 1.

7A3.3 Office Operations

Quality control operations implemented in the office focussed on confirming and maintaining the quality of in situ measurement data and analytical results, as well as verifying the accuracy of data summaries (i.e., summary statistics and plots). Field data entered into the Project database were compared against the field data sheets and field notebook to confirm their accuracy. Unaltered data files from the laboratory were saved to the Project directory and were used as a reference to confirm the accuracy of the data entered into the Project database. Laboratory data were also screened for quality (Section 7A3.4). Backup files were created before each major data analysis operation and calculations were reviewed to confirm the accuracy of the results.

7A3.4 Laboratory Data Screening

A series of standard data screening steps were completed upon receipt of water chemistry results from the analytical laboratory to identify potential issues with the DIN dataset, including:

- verification that all requested parameters and samples were analyzed
- verification that the appropriate detection limits (DLs) were used and data were reported in the appropriate units
- data logic checks (e.g., comparisons of dissolved and total nitrogen and phosphorus concentrations)
- identification of outliers
- review of duplicate sample results for unacceptable variation

- review of laboratory QC results (i.e., sample temperature and integrity of containers upon receipt, holding times, laboratory blanks and recoveries from spiked samples, internal duplicates, review of laboratory qualifiers and notes)
- review of the final dataset for completeness, and confirmation that sources of unexpected values and trends have been identified

Prompt completion of the screening steps allowed for potential re analysis of samples by the laboratory to verify questionable data or to generate data for missing parameters. If samples were re analyzed by the laboratory and the data were still considered questionable, qualifiers for consideration during data summary and analysis steps were added to the dataset, or the data were excluded from further analyses.

7A3.5 Quality Control Data Evaluation

7A3.5.1 Depth-integrated Nutrients

Differences between concentrations measured in duplicate DIN samples were evaluated based on the relative percent difference (RPD), where:

$$RPD = \frac{|C1 - C2|}{\frac{(C1 + C2)}{2}} * 100$$

and C1 is the concentrations in the sample and C2 is the concentration in the second or duplicate sample.

The RPD was only calculated if both of the paired concentrations in the duplicate samples were greater than five times the DL. The RPD for a given parameter was flagged if it was greater than 20%.

7A3.5.2 Chlorophyll a

Chlorophyll a data was checked thoroughly for errors or omissions. RPDs were not calculated for chlorophyll a as samples were collected in triplicate at all sampling stations as part of the study design. Anomalous results were clarified with the analytical laboratory and data believed to be recorded in error was flagged and omitted from statistical analyses.

7A3.5.3 Phytoplankton and Zooplankton

The inherent variability associated with the plankton samples prevents the establishment of a QC threshold value. For the purposes of the plankton QC, the proportion of each major group was calculated and the occurrence of dominant species used to assess consistency between the field samples and duplicate samples analyzed. In addition, the RPD was used to assess the overall similarity between the field and duplicate samples. Due to high variability in species occurrence, the comparisons were made at the major group level for both abundance and biomass, rather than the species level. Differences in total abundance and biomass were also evaluated. RPDs greater than 50% were flagged and follow up assessments of the data were performed. Graphical plots of the relative abundance results for the field and duplicate samples were made so that duplicate results could be evaluated on a case by case basis.

7A3.6 Quality Control Results

A summary of the quality control samples collected during the plankton monitoring program is provided in Table 7A 1. Detailed QC results for DIN, phytoplankton, and zooplankton are presented in Section 7A4.0 (Table 7A 2 to Table 7A 6). The results from each type of sample are provided in the sections below.

Table 7A-1: Summary of Quality Control Samples Collected, 2017

Type of Sample	2017		
	16 to 23 July	11 to 13 August	4 to 5 September
	Late Spring	Summer	Fall
Duplicates-DIN		MEL-03-04 MEL-05-04	MEL-02-05
Duplicates-Phytoplankton	MEL-01-03 MEL-02-05 MEL-03-01	MEL-02-02 MEL-03-02 MEL-05-02	MEL-01-01 MEL-02-04
Duplicates-Zooplankton	MEL-01-03 MEL-02-05 MEL-03-01	MEL-02-02 MEL-03-02 MEL-05-02	MEL-01-01 MEL-02-04

Notes: DIN = depth integrated nutrient sample; – = sample not collected.

7A3.6.1 Depth Integrated Nutrients

To maintain sample integrity, DIN samples for laboratory analyses were submitted as soon as possible after collection. However, holding time exceedances are a common issue for water samples collected from remote areas because transport of samples to the laboratory is subject to the availability of scheduled charter flights. Holding times may also be exceeded for preserved and unpreserved samples if the laboratory is unable to initiate testing promptly following sample receipt. Analytical hold times were met for most parameters, with the exception of nitrate, nitrite, and orthophosphate.

Three duplicate DIN samples were collected in support of the 2017 plankton program: two during the summer 2017 program and one during the fall 2017 program (Table 7A 1). In one sample, RPDs could only be calculated for reactive silica while in another sample RPDs could only be calculated for reactive silica and total phosphorus due to concentrations being less than five times the detection limit for other parameters. RPDs in each sample were below 20% (Table 7A 2). In the duplicate samples collected at MEL-02-05 in September 2017, RPDs for concentrations of nitrate, and total and dissolved nitrogen, exceeded 20%. DIN samples at most stations in September 2017 had notably higher concentrations of nitrogen than during any other sampling event; results of the QA/QC analyses suggest that elevated nitrate and nitrogen concentrations should be interpreted with caution as analyses of these parameters show some variability.

Dissolved concentrations measured in the DIN samples, including duplicates, were compared to their corresponding total concentrations. All of the dissolved parameter concentrations in the dataset met quality criteria (i.e., for paired total and dissolved concentrations that were more than five times the DL, the dissolved concentration was no more than 20% higher than the total concentration).

7A3.6.2 Chlorophyll a

Chlorophyll a samples collected in September 2017 were collected using a different type of filter than during previous sampling events. The analytical laboratory was able to analyze chlorophyll a concentrations from the filters submitted in September 2017; however, the lab noted that the difference in the filter used may have affected the results of the analysis. As a result, chlorophyll a data from the September 2017 sampling event was omitted from all statistical analyses presented in this report. No other errors or omissions were found in chlorophyll a data reported in 2017.

7A3.6.3 Phytoplankton

A total of eight duplicate phytoplankton samples were collected from Meliadine Lake in 2017 (Table 7A 3 and Table 7A 4). For phytoplankton, RPD values were below 50% when calculated on total biomass (Table 7A 3). However, at the major group level, all eight duplicate samples for phytoplankton biomass had RPDs greater than 50% for one or more taxonomic group. Affected groups included cyanobacteria, chlorophytes, diatoms, and dinoflagellates. Similarly, for phytoplankton abundance, based on total abundance, RPDs were less than 50%, but at the major group level, 7 out of 8 duplicates had RPDs greater than 50% for one or more taxonomic group (Table 7A 4). Affected groups included cyanobacteria, chlorophytes, euglenophytes, diatoms, cryptophytes, and dinoflagellates. In general, where high RPDs were observed, the biomass or abundance of the taxa tended to be low in both samples in comparison with the total biomass or abundance of the sample. A visual examination of relative abundance plots for paired duplicate samples indicates that the general composition of the samples appears to be similar between duplicates (Figure 7A 1 and Figure 7A 2). In addition, the dominant taxon (i.e., the taxon contributing the most biomass or abundance to the sample) was consistent between duplicates.

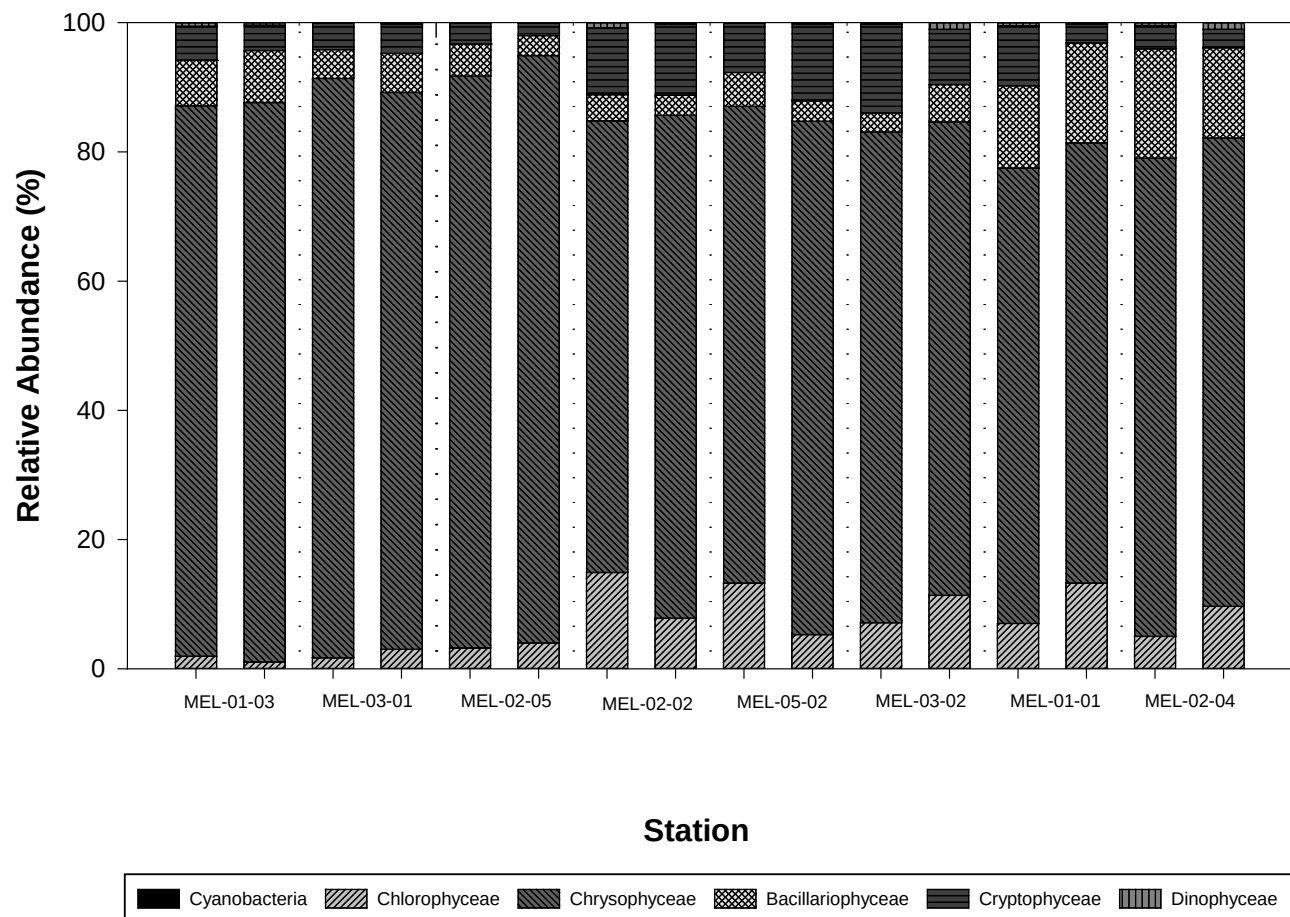


Figure 7A-1: Relative Abundance of Major Phytoplankton Taxonomic Groups in Duplicate Samples, Meliadine Lake, 2017

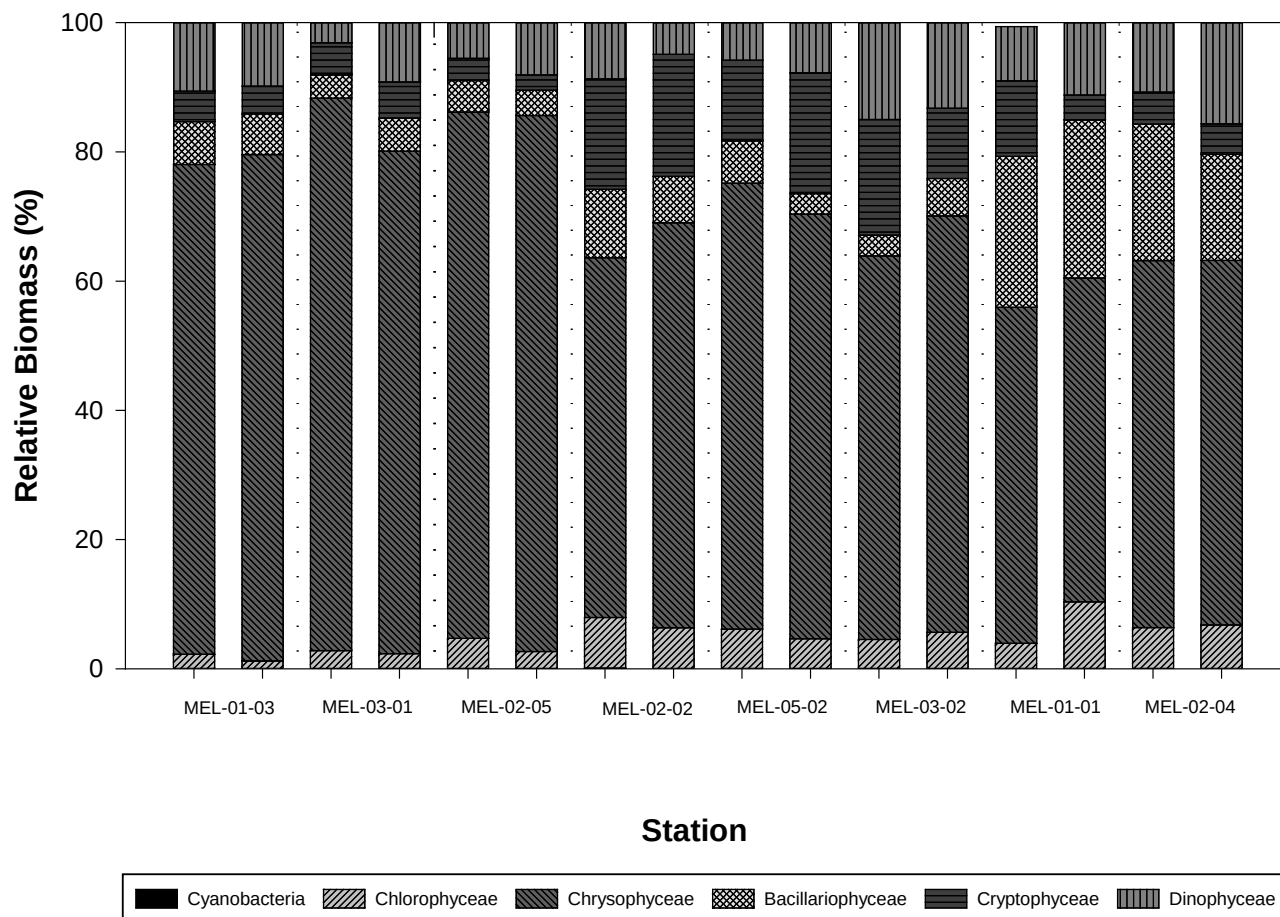


Figure 7A-2: Relative Biomass of Major Phytoplankton Taxonomic Groups in Duplicate Samples, Meliadine Lake, 2017

7A3.6.4 Zooplankton

A total of eight duplicate zooplankton samples were collected from Meliadine Lake in 2017 (Table 7A 5 and Table 7A 6). For zooplankton, RPD values were below 50% when calculated on total wet weight biomass (Table 7A 5). In 6 of 8 duplicate samples, RPDs above 50% were observed for one or more taxonomic group. The dominant taxa was the same in each pair of duplicate samples. RPDs for total zooplankton abundance were also less than 50% (Table 7A 6). In 3 out of 8 duplicate samples, RPDs above 50% were observed for one or more taxonomic group. The dominant taxon was consistent between duplicate samples for zooplankton biomass and abundance in 6 of 8 duplicate samples. In two samples, different taxa were dominant by biomass or abundance between replicate samples; however, RPDs between biomass and abundance estimates for each duplicate sample were below 50% in each case. A visual inspection of relative abundance plots indicates a high degree of similarity in the relative composition of the zooplankton community collected in duplicate samples from Meliadine Lake (Figure 7A 3 and Figure 7A 4).

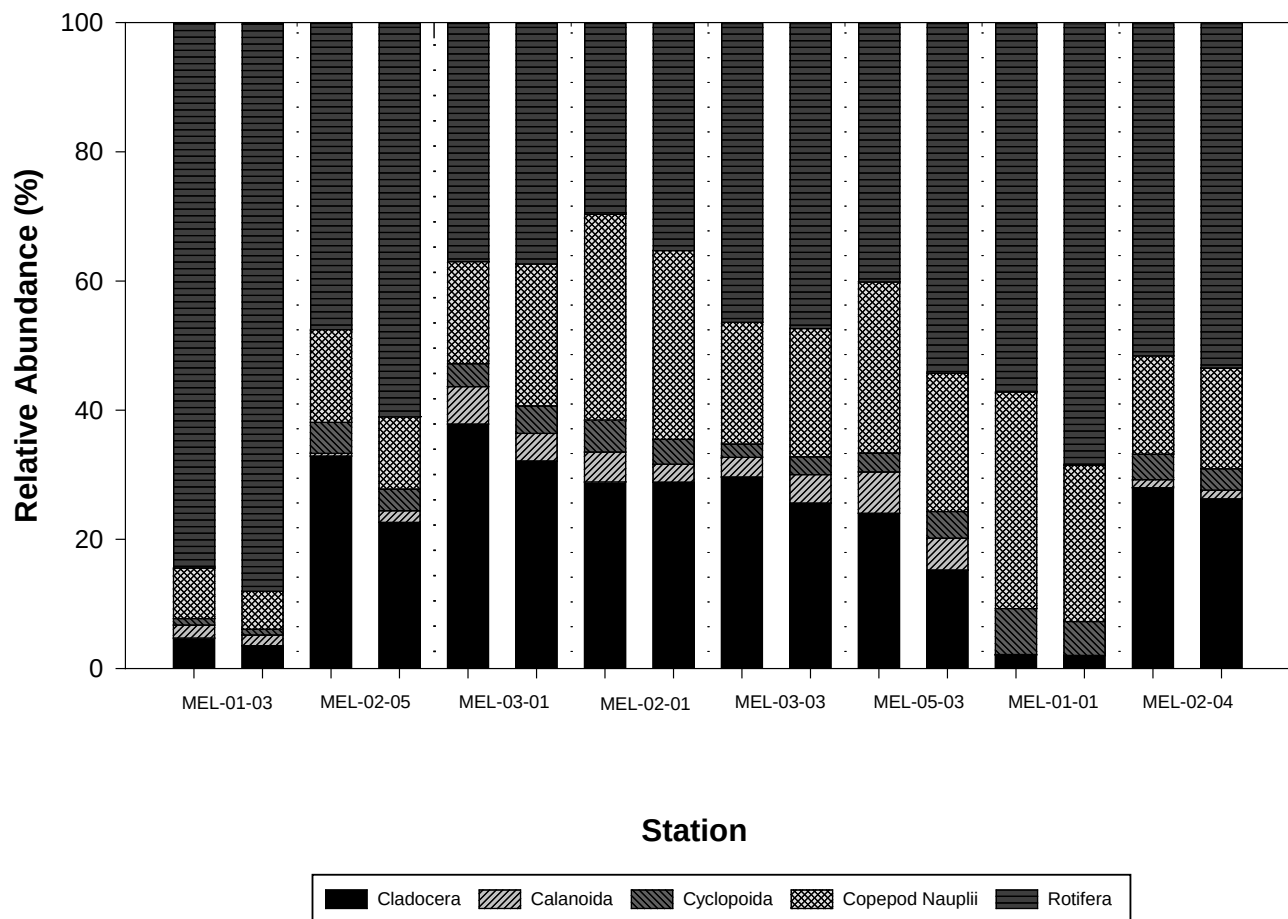


Figure 7A-3: Relative Abundance of Major Zooplankton Taxonomic Groups in Duplicate Samples, Meliadine Lake, 2017

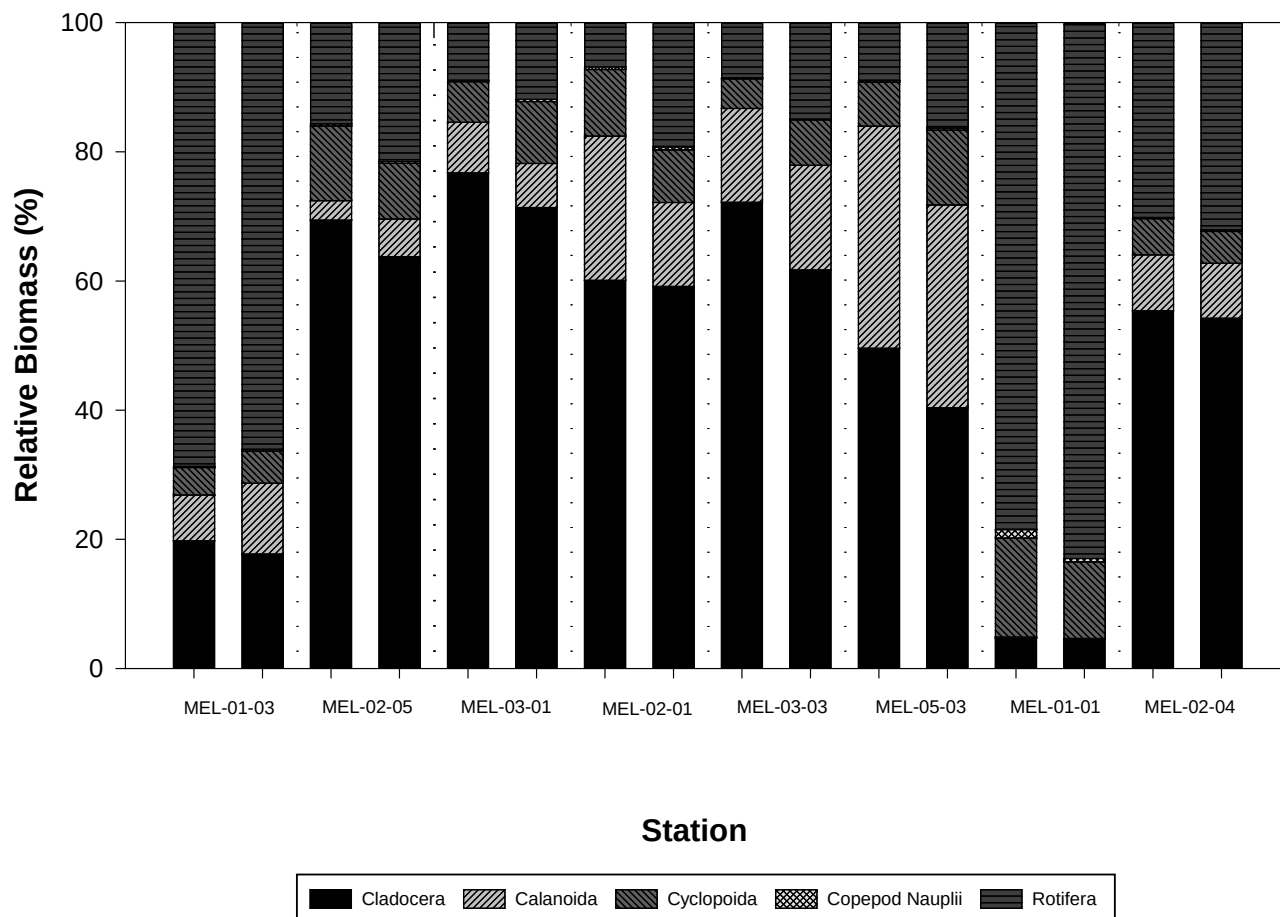


Figure 7A-4: Relative Biomass of Major Zooplankton Taxonomic Groups in Duplicate Samples, Meliade Lake, 2017

7A3.7 Data Quality Summary

Key QC findings for the 2017 plankton monitoring programs are as follows:

- A total of 9% of paired concentrations in duplicate DIN samples differed by more than 20%. Each of the exceedances of the 20% RPD limit came from duplicate samples collected at MEL-02-05 in September 2017 from which total nitrogen, dissolved nitrogen, and nitrate concentrations differed by more than 20%. DIN samples at most stations in September 2017 had notably higher concentrations of nitrogen than during any other sampling event; results of the QA/QC analyses suggest that elevated nitrate and nitrogen concentrations should be interpreted with caution as analyses of these parameters shows some variability.
- Concentrations of dissolved parameters were generally lower than corresponding total concentrations for the DIN samples. Dissolved concentrations were higher than total concentrations for 1.2% of comparisons.

- Chlorophyll a samples collected in September 2017 were collected using a different type of filter than during previous sampling events. The analytical laboratory was able to analyze chlorophyll a concentrations from the filters submitted in September 2017; however, the lab noted that the difference in the filter used may have affected the results of the analysis. As a result, chlorophyll a data from the September 2017 sampling event was omitted from all statistical analyses conducted in 2017.
- The dominant taxon was consistent between duplicate samples for phytoplankton biomass and abundance.
- RPDs for total phytoplankton biomass and abundance were below 50% for all duplicates.
- RPDs above 50% were observed in the majority of duplicates for major phytoplankton taxonomic groups; however, graphical presentation of the relative abundance of major phytoplankton groups showed that variation between duplicates was actually low and that the proportions of major groups were similar between duplicates.
- The dominant taxon was consistent between duplicate samples for zooplankton biomass in all 8 duplicate samples and for zooplankton abundance in 6 of 8 duplicate samples. In two samples, different taxa were dominant by abundance between replicate samples; however, RPDs between abundance estimates for each duplicate sample were below 50% in each case.
- RPDs for total zooplankton biomass and abundance were below 50% for all duplicates.
- RPDs above 50% were observed in the majority of duplicates for major zooplankton taxonomic groups; however, graphical presentation of the relative abundance of major zooplankton groups showed that variation between duplicates was actually low and that the proportions of major groups were similar between duplicates.

Differences between original and QC samples were deemed minor, and within the range of variability expected in plankton data. Based on this assessment, the plankton monitoring data are considered adequate to meet the needs of the AEMP for the Project.

7A4.0 DETAILED RESULTS TABLES

Table 7A-2: Depth integrated Nutrient Water Quality Duplicate Results, 2017

Station	Units	DL	RPD Alert Limit	MEL-05-04		RPD (%) ^(a)	MEL-03-04		RPD (%) ^(a)	MEL-02-05		RPD (%) ^(a)
Sample Name				Sample	Duplicate		Sample	Duplicate		Sample	Duplicate	
Sample Collection Date				12-Aug-17			13-Aug-17			01-Sep-17		
Reactive silica, as SiO ₂	mg/L	0.010	>20%	0.259	0.268	3	0.25	0.248	1	0.037	0.036	3
Dissolved Kjeldahl nitrogen	mg/L	0.050	>20%	0.163	0.162	nc	0.138	0.135	nc	0.189	0.265	nc
Dissolved nitrogen	mg/L	0.050	>20%	0.163	0.162	nc	0.138	0.135	nc	0.261	0.592	78
Dissolved phosphorus	mg/L	0.0010	>20%	0.0014	0.002	nc	0.0017	0.002	nc	0.0039	0.007	nc
Nitrate	mg/L	0.0050	>20%	< 0.0050	< 0.0050	nc	< 0.0050	< 0.0050	nc	0.0718	0.327	128
Nitrite	mg/L	0.0010	>20%	< 0.0010	< 0.0010	nc	< 0.0010	< 0.0010	nc	< 0.0010	< 0.0010	nc
Orthophosphate	mg/L	0.0010	>20%	< 0.0010	< 0.0010	nc	0.0012	0.001	nc	< 0.0010	< 0.0010	nc
Total ammonia	mg/L	0.0050	>20%	< 0.0050	< 0.0050	nc	< 0.0050	< 0.0050	nc	< 0.0050	0.0111	nc
Total Kjeldahl nitrogen	mg/L	0.050	>20%	0.178	0.17	nc	0.131	0.122	nc	0.234	0.269	nc
Total nitrogen	mg/L	0.050	>20%	0.178	0.17	nc	0.131	0.122	nc	0.306	0.595	64
Total phosphorus	mg/L	0.0010	>20%	0.0032	0.0038	nc	0.0053	0.0056	6	0.0073	0.0088	19

Note: RPDs greater than 20% are shown in **bold**; duplicate concentrations failed the QC check.

a) The RPD was only calculated if both of the paired concentrations was above five times the DL.

DL = detection limit; RPD = relative percent difference; % = percent; SiO₂ = silicon dioxide;

mg/L = milligrams per litre; > = greater than; nc = not calculated; < = less than.

Table 7A-3: Quality Control Comparison of Phytoplankton Biomass Results in Duplicate Samples from Meliadine Lake, 2017

Station	Units	RPD Alert Limit	MEL-01-03		RPD (%)	MEL-03-01		RPD (%)	MEL-02-05		RPD (%)	MEL-02-02		RPD (%)	MEL-05-02		RPD (%)	MEL-03-02		RPD (%)		
Sample Name			Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate
Sampling Season			Late Spring			Late Spring			Late Spring			Summer			Summer			Summer				
Sample Collection Date			16-Jul-17			21-Jul-17			23-Jul-17			11-Aug-17			12-Aug-17			13-Aug-17				
Biomass by Taxonomic Group																						
Cyanophytes	mg/m³	>50%	0.00	0.00	0	0.00	0.00	nc	0.00	0.00	nc	0.30	0.00	nc	0.00	0.00	nc	0.00	0.00	nc		
Chlorophytes	mg/m³	>50%	10.96	5.81	61	6.08	4.47	31	12.80	7.40	53	16.20	13.09	21	13.85	9.29	39	9.19	12.03	27		
Euglenophytes	mg/m³	>50%	0.00	0.00	0	0.00	0.00	nc	0.00	0.00	nc	0.30	0.00	nc	0.00	0.00	nc	0.00	0.00	nc		
Chrysophytes	mg/m³	>50%	368.70	373.04	1	184.87	148.35	22	221.88	229.68	3	115.81	129.02	11	155.89	131.24	17	120.25	137.54	13		
Diatoms	mg/m³	>50%	32.31	30.02	7	7.80	9.80	23	13.28	10.82	20	21.97	14.75	39	14.78	6.34	80	6.47	12.31	62		
Cryptophytes	mg/m³	>50%	22.94	20.37	12	10.77	10.69	1	9.35	6.55	35	35.57	38.85	9	28.16	37.31	28	36.24	23.21	44		
Dinoflagellates	mg/m³	>50%	51.52	46.75	10	6.69	17.48	89	15.03	22.39	39	18.06	10.09	57	13.11	15.50	17	30.31	28.25	7		
Total	mg/m³	>50%	486.43	475.99	2	216.21	190.78	12	272.33	276.85	2	207.90	205.80	1	225.79	199.69	12	202.45	213.34	5		

Station	Units	RPD Alert Limit	MEL-01-01		RPD (%)	MEL-02-04		RPD (%)
Sample Name			Sample	Duplicate		Sample	Duplicate	
Sampling Season			Fall			Fall		
Sample Collection Date			04-Sep-17			05-Sep-17		
Biomass by Taxonomic Group								
Cyanophytes	mg/m³	>50%	0.00	0.00	nc	0.02	0.06	93
Chlorophytes	mg/m³	>50%	7.82	17.90	78	7.45	7.55	1
Euglenophytes	mg/m³	>50%	0.00	0.00	nc	0.02	0.06	nc
Chrysophytes	mg/m³	>50%	102.97	86.55	17	66.61	63.31	5
Diatoms	mg/m³	>50%	46.24	42.24	9	24.75	18.44	29
Cryptophytes	mg/m³	>50%	23.15	6.64	111	5.79	5.28	9
Dinoflagellates	mg/m³	>50%	16.63	19.33	15	12.60	17.56	33
Total	mg/m³	>50%	196.81	172.65	13	117.22	112.20	4

Note: RPDs greater than 50% are shown in **bold**; duplicate concentrations failed the QC check.

The dominant taxon (i.e., the taxon contributing the most biomass to the sample) is highlighted in grey.

for each sample and duplicate. RPD = relative percent difference; % = percent.

mg/m3 = milligrams per cubic metre; > = greater than; nc = not calculated if one sample had a biomass of zero; QC = quality control.

Table 7A-4: Quality Control Comparison of Phytoplankton Abundance Results in Duplicate Samples from Meliadine Lake, 2017

Station	Units	RPD Alert Limit	MEL-01-03		RPD (%)	MEL-03-01		RPD (%)	MEL-02-05		RPD (%)	MEL-02-02		RPD (%)	MEL-05-02		RPD (%)	MEL-03-02		RPD (%)		
Sample Name			Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate
Sampling Season			Late Spring			Late Spring			Late Spring			Summer			Summer			Summer				
Sample Collection Date			16-Jul-17			21-Jul-17			23-Jul-17			11-Aug-17			12-Aug-17			13-Aug-17				
Abundance by Taxonomic Group																						
Cyanophytes	cells/L	>50%	0	0	0	0	0	0	0	0	0	600	0	nc	0	0	0	0	0	0		
Chlorophytes	cells/L	>50%	80,624	43,904	59	36,720	58,472	46	81,624	109,160	29	324,280	175,416	60	319,096	103,776	102	131,312	202,952	43		
Euglenophytes	cells/L	>50%	0	0	0	0	0	0	0	200	nc	0	0	0	0	0	0	0	0	0		
Chrysophytes	cells/L	>50%	3,560,896	3,623,952	2	1,934,296	1,675,472	14	2,237,224	2,496,848	11	1,523,408	1,746,712	14	1,776,048	1,559,928	13	1,396,296	1,309,488	6		
Diatoms	cells/L	>50%	293,224	337,344	14	96,192	117,744	20	125,544	84,440	39	88,624	70,456	23	126,128	62,272	68	54,088	103,776	63		
Cryptophytes	cells/L	>50%	220,720	163,448	30	88,608	89,008	0	81,024	51,888	44	224,904	247,656	10	183,600	233,888	24	252,640	152,664	49		
Dinoflagellates	cells/L	>50%	23,368	16,784	33	1,400	3,400	83	2,400	3,200	29	17,568	4,000	126	2,200	3,400	43	4,600	18,368	120		
Total	cells/L	>50%	4,178,832	4,185,432	0	2,157,216	1,944,096	10	2,527,816	2,745,536	8	2,179,384	2,244,240	3	2,407,072	1,963,264	20	1,838,936	1,787,248	3		

Station	Units	RPD Alert Limit	MEL-01-01		RPD (%)	MEL-02-04		RPD (%)
Sample Name			Sample	Duplicate		Sample	Duplicate	
Sampling Season			Fall			Fall		
Sample Collection Date			04-Sep-17			05-Sep-17		
Abundance by Taxonomic Group								
Cyanophytes	cells/L	>50%	0	0	0	200	400	67
Chlorophytes	cells/L	>50%	130,712	196,168	40	51,488	101,176	65
Euglenophytes	cells/L	>50%	0	0	0	0	0	0
Chrysophytes	cells/L	>50%	1,315,672	1,007,560	27	763,704	762,704	0
Diatoms	cells/L	>50%	237,824	228,856	4	174,696	146,928	17
Cryptophytes	cells/L	>50%	173,016	43,504	120	37,120	29,736	22
Dinoflagellates	cells/L	>50%	8,784	2,800	103	4,600	10,984	82
Total	cells/L	>50%	1,866,008	1,478,888	23	1,031,808	1,051,928	2

Note: RPDs greater than 50% are shown in **bold**; duplicate concentrations failed the QC check.

The dominant or most abundant taxon is highlighted in grey for each sample and duplicate.

RPD = relative percent difference; % = percent; cells/L = cells per litre; > = greater than.

nc = not calculated if one sample had an abundance of zero; QC = quality control.

Table 7A-5: Quality Control Comparison of Zooplankton Biomass Results in Duplicate Samples from Meliadine Lake, 2017

Station	Units	RPD Alert Limit	MEL-01-03		RPD (%)	MEL-03-01		RPD (%)	MEL-02-05		RPD (%)	MEL-02-01		RPD (%)	MEL-05-03		RPD (%)	MEL-03-03		RPD (%)		
Sample Name			Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate
Sampling Season			Late Spring			Late Spring			Late Spring			Summer			Summer			Summer				
Sample Collection Date			16-Jul-17			21-Jul-17			23-Jul-17			11-Aug-17			12-Aug-17			13-Aug-17				
Biomass by Taxonomic Group																						
Cladocera	mg/m³ ww	>50%	8.63	7.47	14	81.06	72.69	11	84.28	60.60	33	26.22	30.52	15	21.74	18.55	16	39.61	35.74	10		
Calanoida	mg/m³ ww	>50%	3.11	4.64	40	8.29	6.98	17	3.68	5.55	41	9.74	6.71	37	15.08	14.43	4	7.97	9.38	16		
Cyclopoida	mg/m³ ww	>50%	1.86	2.11	13	6.67	9.77	38	14.05	8.23	52	4.50	4.21	7	2.98	5.34	57	2.54	4.09	47		
Copepod Nauplii	mg/m³ ww	>50%	0.08	0.12	46	0.20	0.35	53	0.41	0.28	37	0.19	0.25	27	0.12	0.15	24	0.09	0.08	12		
Rotifera	mg/m³ ww	>50%	29.95	27.82	7	9.41	12.05	25	18.95	20.36	7	2.96	9.89	108	3.92	7.47	62	4.66	8.61	60		
Total	mg/m³ ww	>50%	43.62	42.16	3	105.63	101.84	4	121.36	95.02	24	43.62	51.57	17	43.84	45.94	5	54.86	57.89	5		

Station	Units	RPD Alert Limit	MEL-01-01		RPD (%)	MEL-02-04		RPD (%)
Sample Name			Sample	Duplicate		Sample	Duplicate	
Sampling Season			Fall			Fall		
Sample Collection Date			04-Sep-17			05-Sep-17		
Biomass by Taxonomic Group								
Cladocera	mg/m³ ww	>50%	0.58	0.77	27	16.87	16.83	0
Calanoida	mg/m³ ww	>50%	0.02	0.01	50	2.65	2.64	0
Cyclopoida	mg/m³ ww	>50%	1.92	2.00	4	1.71	1.53	11
Copepod Nauplii	mg/m³ ww	>50%	0.16	0.09	59	0.06	0.09	31
Rotifera	mg/m³ ww	>50%	9.79	13.93	35	9.16	9.93	8
Total	mg/m³ ww	>50%	12.48	16.80	30	30.45	31.02	2

Note: RPDs greater than 50% are shown in **bold**; duplicate concentrations failed the QC check.

The dominant taxon (i.e., the taxon contributing the most biomass to the sample) is highlighted in grey for each sample and duplicate.

RPD = relative percent difference; % = percent; mg/m³ ww = milligrams per cubic metre wet weight.

nc = not calculated if one sample had a biomass of zero > = greater than.

Table 7A-6: Quality Control Comparison of Zooplankton Abundance Results in Duplicate Samples from Meliadine Lake, 2017

Station	Units	RPD Alert Limit	MEL-01-03		RPD (%)	MEL-03-01		RPD (%)	MEL-02-05		RPD (%)	MEL-02-01		RPD (%)	MEL-05-03		RPD (%)	MEL-03-03		RPD (%)
Sample Name			Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate		Sample	Duplicate	
Sampling Season			Late Spring			Late Spring			Late Spring			Summer			Summer			Summer		
Sample Collection Date			16-Jul-17			21-Jul-17			23-Jul-17			11-Aug-17			12-Aug-17			13-Aug-17		
Biomass by Taxonomic Group																				
Cladocera	org/m³	>50%	895	775	14	5740	5260	9	7767	5640	32	2490	2910	16	1950	1492	27	3457	2900	18
Calanoida	org/m³	>50%	390	365	7	880	700	23	100	460	129	400	280	35	520	483	7	357	500	33
Cyclopoida	org/m³	>50%	195	195	0	540	700	26	1133	840	30	430	390	10	240	408	52	243	314	26
Copepod Nauplii	org/m³	>50%	1500	1300	14	2400	3600	40	3400	2800	19	2750	2950	7	2150	2100	2	2200	2250	2
Rotifera	org/m³	>50%	16100	19300	18	5600	6100	9	11200	15200	30	2550	3550	33	3250	5300	48	5400	5350	1
Total	org/m³	>50%	19080	21935	14	15160	16360	8	23600	24940	6	8620	10080	16	8110	9783	19	11657	11314	3

Station	Units	RPD Alert Limit	MEL-01-01		RPD (%)	MEL-02-04		RPD (%)
Sample Name			Sample	Duplicate		Sample	Duplicate	
Sampling Season			Fall			Fall		
Sample Collection Date			04-Sep-17			05-Sep-17		
Biomass by Taxonomic Group								
Cladocera	org/m³	>50%	83	116	33	1650	1625	2
Calanoida	org/m³	>50%	3	2	50	75	83	11
Cyclopoida	org/m³	>50%	283	304	7	233	208	11
Copepod Nauplii	org/m³	>50%	1333	1400	5	900	967	7
Rotifera	org/m³	>50%	2267	3950	54	3033	3300	8
Total	org/m³	>50%	3970	5772	37	5892	6183	5

Note: RPDs greater than 50% are shown in **bold**; duplicate concentrations failed the QC check.

The dominant or most abundant taxon is highlighted in grey for each sample and duplicate.

RPD = relative percent difference; % = percent; org/m³ = organisms per cubic metre.

nc = not calculated if one sample had an abundance of zero; > = greater than.

REFERENCES

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- Environment Canada. 1993. Quality Assurance in Water Quality Monitoring. Ecosystem Sciences and Evaluation Directorate Conservation and Protection. Ottawa. ON, Canada.
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ATTACHMENT 6A-1

Laboratory QC Methods and Results Detail

Table 6A-1: Fish Sampling Effort for Meliadine Lake, 2015 and 2017

Sampling Area	Effort Number	Gear Type	Zone	Start		End		Habitat Description	Minimum Depth (m)	Max Depth (m)	Set Date (d/m/y)	Lift Date (d/m/y)	Duration (h)	Effort ^(a)	Fish Captured							
				Easting	Northing	Easting	Northing								THST	RNWH	LKTR	SLSC	BURB	NNST	CISC	Total
NF	ML15FHNFBP1000	Electrofishing	15V	542210	6991482	542187	6991385	Boulder, cobble, silt	0.1	0.7	14/08/2015	14/08/2015	1.33	2825 s	35	-	5	2	-	2	-	44
NF	ML15FHNFBP1001	Electrofishing	15V	544086	6987045	543762	6987079	Boulder, cobble, silt	0.1	0.7	15/08/2015	15/08/2015	1.08	2345 s	45	1	1	6	-	1	-	54
NF	ML15FHNFMT1300	Minnow Trap	15V	541733	6988953	-	-	Cobble	0.2	0.6	16/08/2015	17/08/2015	36.42	401 h	120	-	-	-	-	16	1	137
NF	ML15FHNFMT1301	Minnow Trap	15V	541671	6988988	-	-	Boulder, cobble	0.4	1.0	16/08/2015	17/08/2015	13.08	183 h	44	-	-	-	1	3	-	48
NF	ML15FHNFSN1400	Seine Net	15V	542232	6991483	542273	6991457	Boulder, cobble, silt	0.1	0.8	14/08/2015	14/08/2015	0.25	150 m ²	2	-	-	-	-	-	-	2
RA1	ML17FHRA1BP2000	Electrofishing	15V	533239	6998103	533202	6998082	Rocky shoreline with organics	0.1	0.5	09/08/2017	09/08/2017	-	210 s	34	2	-	-	-	-	-	36
RA1	ML17FHRA1BP2001	Electrofishing	15V	533238	6998108	533147	6998109	Cobble, boulder shoreline with fines	0.1	0.4	12/08/2017	12/08/2017	-	609 s	60	-	-	-	-	-	-	60
RA1	ML17FHRA1BP2002	Electrofishing	15V	533198	6998083	533131	6998124	Cobble, boulder with sand	0.1	0.5	13/08/2017	13/08/2017	-	422 s	60	-	-	-	-	-	-	60
RA1	ML17FHRA1HP2200	Hoop Net	15V	535077	6996933	-	-	Deep, clear, with large boulders	0.9	1.1	09/08/2017	10/08/2017	22.08	22 h	117	-	-	-	-	1	-	118
RA1	ML17FHRA1HP2201	Hoop Net	15V	535551	6998405	-	-	Large embedded boulders	0.9	1.5	09/08/2017	10/08/2017	20.68	21 h	1	-	-	-	-	-	-	1
RA1	ML17FHRA1MT2300	Minnow Trap	15V	534343	6997898	534399	6997826	Rock and boulder	0.2	0.8	09/08/2017	10/08/2017	23.80	190 h	38	-	-	-	-	-	-	38
RA1	ML17FHRA1MT2301	Minnow Trap	15V	534973	6996873	535026	6996846	Sheltered bay with cobble and shale. No vegetation.	0.3	0.5	09/08/2017	10/08/2017	22.60	136 h	17	-	-	-	-	-	-	17
RA1	ML17FHRA1MT2302	Minnow Trap	15V	535560	6998404	535529	6998405	Shale, boulder and fines; no vegetation	0.2	0.5	09/08/2017	11/08/2017	45.30	272 h	74	-	1	-	-	6	-	81
RA1	ML17FHRA1MT2303	Minnow Trap	15V	534785	6997177	534765	6997162	Boulder, cobble with lots of periphyton	0.2	0.4	10/08/2017	11/08/2017	23.40	140 h	19	-	-	-	-	-	-	19
RA1	ML17FHRA1MT2304	Minnow Trap	15V	533990	6997761	534030	6997738	Boulder with fines and periphyton	0.3	0.5	10/08/2017	12/08/2017	46.60	373 h	58	-	-	-	-	-	-	58
RA1	ML17FHRA1MT2305	Minnow Trap	15V	533699	6998961	533628	6999011	Rocky shoreline, mostly round boulder	0.2	0.4	11/08/2017	13/08/2017	46.52	279 h	163	-	-	-	-	6	-	169
RA1	ML17FHRA1MT2306	Minnow Trap	15V	532840	6999706	532900	6999715	Embedded boulder; more uniform shoreline	0.2	0.4	11/08/2017	13/08/2017	46.72	280 h	99	-	-	-	-	2	-	101
RA1	ML17FHRA1MT2307	Minnow Trap	15V	533158	6998280	533217	6998256	Embedded cobble and boulder with periphyton	0.1	0.5	12/08/2017	13/08/2017	23.87	191 h	118	-	-	-	1	2	-	121
RA1	ML17FHRA1SN2400	Seine Net	15V	534328	6997926	534334	6997911	Cobble beach with embedded flat boulders; no vegetation	0.1	0.6	09/08/2017	09/08/2017	0.42	340 m ²	2	4	7	1	-	-	-	14
RA2	ML17FHRA2BP3000	Electrofishing	15V	526129	7001238	526127	7001304	-	0.1	0.6	14/08/2017	14/08/2017	-	339 s	24	-	-	-	2	9	-	35
RA2	ML17FHRA2MT3300	Minnow Trap	15V	526118	7001228	526094	7001235	Embedded boulder; submerged vegetation	0.2	0.4	14/08/2017	16/08/2017	46.17	277 h	31	-	-	-	-	4	-	35
RA2	ML17FHRA2MT3301	Minnow Trap	15V	525155	7001053	525195	7000993	Cobble, boulder shoal with sand	0.1	0.3	14/08/2017	16/08/2017	46.78	374 h	59	-	-	-	2	1	-	62
RA2	ML17FHRA2MT3302	Minnow Trap	15V	525888	7002290	525895	7002306	Cobble, boulder with some gravel	0.2	0.5	14/08/2017	16/08/2017	45.80	275 h	45	-	-	-	-	2	-	47
RA2	ML17FHRA2MT3303	Minnow Trap	15V	526334	7002402	526333	7002383	Cobble, boulder with periphyton; sand/organic at shoreline	0.2	0.5	16/08/2017	18/08/2017	50.25	302 h	70	-	-	-	-	6	-	76
RA2	ML17FHRA2MT3304	Minnow Trap	15V	525048	7002031	525078	7002025	Boulder with interspersed cobble. Small bay.	0.1	0.5	16/08/2017	18/08/2017	50.05	300 h	69	-	-	-	1	-	-	70
RA2	ML17FHRA2MT3305	Minnow Trap	15V	524648	7001233	524650	7001217	-	0.2	0.4	16/08/2017	18/08/2017	49.67	397 h	149	-	-	-	-	20	-	169

a) Minnow Trap = trap hours; Electrofishing = seconds; Siene Net = square metres; Gill Net = net hours; Hoop Net = net hours.
NF = Near-field; RA1 = Reference Area 1; RA2 = Reference Area 2; m = metre; d = day; m = month; y = year; h = hour; s = second; m² = square metre; THST = Threespine Stickleback; RNWH = Round Whitefish; LKTR = Lake Trout; SLSC = Slimy Sculpin; BURB = Burbot; NNST = Ninespine Stickleback; CISC = Cisco; - = not recorded or not applicable.

Table 6A-2: Environmental Data for Meliadine Lake, 2015 and 2017

Effort Number	Year	Air Temp (°C)	Cloud Cover (%)	Wind Direction	Wind Speed (km/h)	Precipitation	Water Temperature (°C)	Dissolved Oxygen (mg/L)	Dissolved Oxygen (%)	Specific Conductivity (µS/cm)	pH
ML15FHNFBP1000	2015	12	40	NNW	-	0	9.23	11.15	97.2	49	6.30
ML15FHNFBP1001	2015	10	10	SSE	-	0	8.82	11.99	103.4	52	6.30
ML15FHNFMT1300	2015	8	5	SSW	-	0	8.34	11.14	95.2	52	6.60
ML15FHNFMT1301	2015	-	-	-	-	-	9.66	11.25	99.1	51	6.60
ML15FHNFSN1400	2015	12	40	NNW	-	0	9.23	11.15	97.2	49	6.20
ML17FHRA1BP2000	2017	15	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1BP2001	2017	13	5	NNW	18	0	13.70	8.70	-	59	8.56
ML17FHRA1BP2002	2017	12	5	SSE	15	0	13.22	10.80	103.7	69	7.48
ML17FHRA1HP2200	2017	16	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1HP2201	2017	16	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1MT2300	2017	17	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1MT2301	2017	16	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1MT2302	2017	16	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA1MT2303	2017	10	100	NE	25	0	11.00	-	-	88	8.19
ML17FHRA1MT2304	2017	10	100	NE	25	0	11.00	-	-	88	8.19
ML17FHRA1MT2305	2017	15	50	NNW	8	0	13.30	-	-	55	8.84
ML17FHRA1MT2306	2017	16	50	NNW	8	0	13.30	-	-	55	8.84
ML17FHRA1MT2307	2017	13	5	NNW	18	0	13.70	8.70	-	59	8.56
ML17FHRA1SN2400	2017	15	5	NW	5	0	12.70	-	-	58	8.19
ML17FHRA2BP3000	2017	11	75	S	15	0	13.67	10.66	104.1	68	7.72
ML17FHRA2MT3300	2017	11	75	S	15	0	13.67	10.66	104.1	68	7.72
ML17FHRA2MT3301	2017	11	75	S	15	0	13.59	10.67	104.4	68	7.75
ML17FHRA2MT3302	2017	11	75	S	15	0	13.67	10.66	104.1	68	7.72
ML17FHRA2MT3303	2017	10	100	N	13	0	13.67	10.66	104.1	68	7.72
ML17FHRA2MT3304	2017	11	100	N	13	0	13.69	10.65	104.0	68	7.76
ML17FHRA2MT3305	2017	11	100	N	13	0	13.69	10.65	104.0	68	7.76

°C = degree Celsius; % = percent; km/h = kilometre per hour; mg/L = milligram per litre; µS/cm = microsiemen per centimetre; N = north; NE = northeast; NW = northwest; NNW = north-northwest; S = south; SSE = south-southeast; SSW = south-southwest; - = not recorded or not applicable.

Table 7B-1: Summary Statistics for Depth-integrated Nutrients from Melidaine Lake, 2015

Parameter	Unit	MEL-01																				
		July							August							September						
		Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error
Major Ions																						
Reactive silica, as SiO2	mg/L	5	0.36	0.39	0.38	0.39	0.012	0.005	5	0.23	0.29	0.31	0.38	0.067	0.030	4	0.31	0.33	0.33	0.34	0.012	0.006
Nutrients																						
Nitrate	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.024	0.088	0.037	0.016	4	<0.005	<0.005	0.0066	0.019	0.0081	0.004
Nitrite	mg-N/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000	4	<0.001	<0.001	0.00050	<0.001	0	0.000
Nitrate + nitrite	mg-N/L	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000	5	<0.0051	<0.0051	0.024	0.088	0.037	0.016	4	<0.0051	<0.0051	0.0066	0.019	0.0081	0.004
Total ammonia	mg-N/L	5	0.0059	0.023	0.021	0.032	0.010	0.005	5	<0.005	<0.005	0.0039	0.0093	0.0030	0.001	4	<0.005	<0.005	0.0049	0.012	0.0048	0.002
Total Kjeldahl nitrogen	mg-N/L	5	0.11	0.18	0.16	0.19	0.037	0.017	5	<0.05	0.078	0.078	0.13	0.053	0.024	4	<0.05	0.074	0.052	0.082	0.031	0.015
Dissolved Kjeldahl nitrogen	mg-N/L	5	0.097	0.15	0.13	0.15	0.024	0.011	5	<0.05	<0.05	0.057	0.11	0.044	0.019	4	<0.05	0.075	0.067	0.094	0.033	0.017
Total nitrogen (calculated)	mg-N/L	5	0.11	0.18	0.16	0.19	0.037	0.017	5	0.048	0.13	0.10	0.17	0.060	0.027	4	0.044	0.074	0.056	0.082	0.027	0.013
Total nitrogen	mg-N/L	5	0.11	0.18	0.16	0.19	0.037	0.017	5	<0.05	0.13	0.096	0.17	0.066	0.030	4	<0.05	0.074	0.052	0.082	0.031	0.015
Dissolved nitrogen	mg-N/L	5	0.097	0.15	0.13	0.15	0.024	0.011	5	<0.05	0.088	0.074	0.13	0.047	0.021	4	<0.05	0.075	0.072	0.11	0.039	0.020
Total phosphorus	mg-P/L	5	0.0048	0.0052	0.0052	0.0060	0.00049	0.000	5	0.0039	0.0041	0.0051	0.0091	0.0023	0.001	4	0.0046	0.0052	0.0052	0.0060	0.00059	0.000
Dissolved phosphorus	mg-P/L	5	0.0011	0.0022	0.0019	0.0023	0.00055	0.000	5	<0.001	0.0014	0.0014	0.0021	0.00058	0.000	4	0.0016	0.0020	0.0025	0.0046	0.0014	0.001
Orthophosphate	mg-P/L	5	<0.001	<0.001	0.00062	0.0011	0.00027	0.000	5	<0.001	0.0012	0.0010	0.0014	0.00046	0.000	4	<0.001	<0.001	0.00050	<0.001	0	0.000
Parameter	Unit	MEL-02																				
		July							August							September						
		Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Minimum	Median	Mean	Maximum	Standard Deviation	Standard Error	Count	Min	Median	Mean	Max	Standard Deviation	Standard Error
Major Ions																						
Reactive silica, as SiO2	mg/L	5	0.28	0.28	0.28	0.28	0.0025	0.001	5	0.22	0.27	0.27	0.30	0.030	0.013	5	0.26	0.27	0.27	0.27	0.0047	0.002
Nutrients																						
Nitrate	mg-N/L	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.0058	0.019	0.0074	0.003	5	<0.005	<0.005	0.0037	0.0085	0.0027	0.001
Nitrite	mg-N/L	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000	5	<0.001	<0.001	0.00050	<0.001	0	0.000
Nitrate + nitrite	mg-N/L	5	<0.0051	<0.0051	0.0026	<0.0051	0	0.000	5	<0.0051	<0.0051	0.0058	0.019	0.0074	0.003	5	<0.0051	<0.0051	0.0037	0.0085	0.0027	0.001
Total ammonia	mg-N/L	5	<0.005	0.0082	0.0086	0.018	0.0066	0.003	5	<0.005	<0.005	0.0025	<0.005	0	0.000	5	<0.005	<0.005	0.014	0.053	0.022	0.010
Total Kjeldahl nitrogen	mg-N/L	5	0.13	0.17	0.18	0.24	0.052	0.023	5	<0.05	<0.05	0.073	0.19	0.073	0.033	5	<0.05	<0.05	0.049	0.12	0.039	0.018
Dissolved Kjeldahl nitrogen	mg-N/L	5	0.14	0.17	0.20	0.29	0.060	0.027	5	<0.05	<0.05	0.051	0.11	0.039	0.017	5	<0.05	<0.05	0.040	0.099	0.033	0.015
Total nitrogen (calculated)	mg-N/L	5	0.13	0.17	0.18	0.24	0.052	0.023	5	<0.05	<0.05	0.076	0.19	0.075	0.034	5	<0.05	<0.05	0.051	0.12	0.040	0.018
Total nitrogen	mg-N/L	5	0.13	0.17	0.18	0.24	0.052	0.023	5	<0.05	<0.05	0.076	0.19	0.075	0.034	5	<0.05	<0.05	0.050	0.12	0.040	0.018
Dissolved nitrogen	mg-N/L	5	0.14	0.17	0.20	0.29	0.060	0.027	5	<0.05	<0.05	0.051	0.11	0.039	0.017	5	<0.05	<0.05	0.040	0.099	0.033	0.015
Total phosphorus	mg-P/L	5	0.0044	0.0048	0.0049	0.0059	0.00057	0.000	5	0.0014	0.0045	0.0039	0.0056	0.0017	0.001	5	0.0036	0.0042	0.0046	0.0056	0.00085	0.000
Dissolved phosphorus	mg-P/L	5	0.0020	0.0020	0.0020	0.0021	0.000045	0.000	5	<0.001	0.0011	0.0019	0.0050	0.0019	0.001	5	0.0012	0.0016	0.0015	0.0016	0.00018	0.000
Orthophosphate	mg-P/L	5		0.0014	0.0012	0.0017	0.00045	0.000	5	<0.001	<0.001	0.00064	0.0012	0.00031	0.000	5	<0.001	<0.001	0.00080	0.0020	0.00067	0.000

Notes: < = parameter below detection limit; mg/L=milligrams per litre;
Values below detection limits were converted to half-detects for the calculation of summary statistics.